

OpenSea (OS2) Brand & UI Mechanics Specification

A build-ready reference for creating a new product that reads as native OpenSea — same tokens, same component recipes, same motion, same voice — so it can slot into the OpenSea product line without a redesign pass.



THE LIVE OS2 PALETTE, READ FROM THE CSS CUSTOM PROPERTIES

- | | | | |
|----|--|----|---|
| 01 | Dark-first, near-black neutrals with a cool tint | 02 | One accent — OpenSea Blue, used sparingly |
| 03 | GT America sans + mono; mono is the data typeface | 04 | Pills everywhere; nothing sharp but table rows |
| 05 | Glass layering instead of shadows | 06 | Micro-motion, not choreography — nothing over 300ms |
| 07 | Dense, live, financial — a terminal with gallery imagery | 08 | Terse, lowercase-confident, operational voice |

SECTIONS	WORDS	SOURCE	VIEWPORT	THEME
16	~10,000	LIVE DOM / CSSOM	1280 · 1440 · 375	DARK-FIRST

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About this document. Every measurement here was read from the live opensea.io DOM and CSSOM — computed styles, bounding boxes, verbatim Tailwind class strings, verbatim copy — then organized into a spec a team could build from. It is the foundation the four working prototypes at **opensea-concepts.xyz** were built against, which is why they read as native OpenSea. Deductions are tagged **INFERRED**; unconfirmed general knowledge is tagged **UNVERIFIED**; §14 lists what was deliberately not claimed.

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Purpose. A build-ready reference for creating a new product that reads as native OpenSea — same tokens, same component recipes, same motion, same voice — so it can slot into the OpenSea product line without a redesign pass.

Provenance. Every measurement below was read from the live `opensea.io` DOM/CSSOM on **2026-08-21** (computed styles, bounding boxes, verbatim Tailwind class strings, verbatim copy) at a 1280×720 / 1440×900 desktop viewport, logged out, default dark theme. Items tagged **INFERRED** are deductions from class names or partial evidence; items tagged **UNVERIFIED** come from general knowledge and were not confirmed in this session. Section 14 lists what was *not* captured.

00 Executive summary — what makes it "OpenSea"

1. **Dark-first, near-black neutrals with a cool tint** (`#101011` app ground, `#141415` surfaces, `#26272D` hairlines) — never pure black, never blue-grey. Light mode exists but is secondary and flattens all "frosted" effects to opaque.
2. **One accent: OpenSea Blue** `#0786FF` (logo disc is `#0086FF`). Used *sparingly*: primary CTAs, the verified badge, focus/selection outlines, progress fills, chart lines. Everything else is white-on-dark with alpha-white "glass" layers.
3. **GT America (sans) + GT America Mono.** The mono face is not decorative — it is the *data* typeface: every number, price, %, stat label, table header, timestamp, chip, and key-cap is mono; every name, heading, sentence is sans. Labels above data are **12px mono UPPERCASE at 60% opacity**.
4. **Pills everywhere.** Buttons, chips, tabs, toggles, selects are `rounded-full` . Cards, inputs, menus, modals use the 4/6/8/12px radius scale. Nothing is sharp-cornered except table rows.
5. **Glass layering instead of shadows.** Surfaces are built from translucent white fills (2/4/8/12/16%) + translucent white hairline borders (8/12/16%) + `backdrop-blur` (16–40px) over imagery. Shadows are almost absent (`shadow-xs` = 3% black). Depth = a 1px inset white-8% ring (`inset-shadow-border`) on every image/card.
6. **Micro-motion, not choreography.** Hover = lift 2px + scale 1.01 in 200ms; press = scale 0.97; panels 300ms with a quintic ease-out; live data flashes green/red 20% tints for 0.8s; new rows slide in 200ms. Nothing bounces; nothing takes longer than 300ms except data-fade (2s).
7. **Dense, live, financial.** Live dot in the footer, streaming activity tables, sparklines, animated number rolls (NumberFlow), 48px table rows, "Pro" mode that compresses everything to 32px rows. It feels like a trading terminal with gallery-grade imagery.
8. **Tone: terse, lowercase-confident, operational.** "Swap everything." "Exchange everything." "Buy Now." "Make Offer." "Tokens with momentum today." No exclamation points, no emoji in UI, Title Case only for proper nouns and button labels.

01 Brand identity

1.1 Name, positioning, taglines (verbatim from live meta/og tags)

- `<title>` : "OpenSea, exchange everything — token trading and NFT marketplace"
- Meta description: "OpenSea, exchange everything — token trading and NFT marketplace. Welcome to the best place to discover, trade, and create onchain."
- Gated-page lockup tagline: "The best place to discover, own, and trade onchain"
- Swap page H1: "Swap everything"; sub: "Trade tokens across Ethereum, Solana, Base, Robinhood Chain, and more — all from one place, reliably, and instantly."
- Rewards meta: "Earn rewards as you collect, trade, engage, and explore both NFTs and tokens on OpenSea. Complete voyages and discover treasures."
- Agent Tools H1: "Equip your AI agents" (Beta)
- Social: @opensea (X). OG image: `https://static.seadn.io/og/generic.jpg`. CDN hosts: `static.seadn.io`, `i2c.seadn.io` (resized media), `raw2.seadn.io` (originals, currency logos).
- Vocabulary: "onchain" (one word, lowercase), "NFT"/"NFTs", "Tokens", "Collection", "Item", "Drops", "Voyages" (quests) and "treasures" (rewards), "Collector" vs "Pro" mode, "Aggregating" (liquidity), "Networks" (chains), "Studio" (creator tools), "Agent Tools".

1.2 Logo

- Mark:** 30×30 circular disc `#0086FF` with a white ship/sail glyph. SVG `viewBox="0 0 30 30"` :
- Disc: `M15.131 0C6.743-.067-.069 6.744.001 15.132.07 23.276 6.725 29.931 14.869 30c8.388.072 15.202-6.742 15.13-15.13C29.932 6.727 23.276.07 15.131 0Z fill #0086FF`
- Ship: `M14.978 4.634c.537 0 .972.435.972.972v1.248c2.982 1.392 4.935 3.702 4.935 6.315 0 1.533-.67 2.96-1.827 4.16-.222.23-.53.36-.852.36h-2.254v1.857h2.83c.61 0 1.706-1.158 2.225-1.856 0 0 .022-.034.082-.052.06-.018 5.198-1.197 5.198-1.197a.17.17 0 0 1 .214.162v1.081c0 .07-.037.13-.102.158-.352.15-1.515.69-2 1.362-1.247 1.737-2.2 4.467-4.33 4.467h-8.887c-3.147 0-5.78-2.498-5.778-5.825 0-.082.07-.15.153-.15h4.212c.145 0 .26.117.26.26v.813c0 .432.349.783.782.783h3.195v-1.86h-2.182a9.293 9.293 0 0 0 2.002-5.783c0-2.437-.934-4.66-2.464-6.322.925.108 1.81.292 2.644.537v-.518c0-.537.435-.972.972-.972Zm-4.333 2.83a7.154 7.154 0 0 1 1.536 4.44c0 1.45-.43 2.8-1.17 3.926h-5.214.834-8.365Z fill #FFF`
- Wordmark:** "OpenSea" SVG `viewBox="0 0 794 178"`, `fill="currentColor"` (white in dark, `#171717` in light), rendered **97×22** in the rail, 28px tall in the gated-page lockup. Lockup = mark + wordmark with `gap-3` (12px), vertically centered.
- Usage observed:** mark alone in the 52px rail (inside a 36px circular hit area, `p-[3px]`); wordmark appears on rail expand; lockup on empty/gated states; a looping **glowing-logo video** (`static.seadn.io/os-logo-glowing.mp4`) in a 96px circle at the top of the Connect modal. Favicon `/favicon.ico` 48×48; `apple-touch-icon` `/icons/icon-192x192.png`; `apple-mobile-web-app-title` "OpenSea"; status bar style `black`.
- Official downloadable assets** (docs.opensea.io/docs/logos — "official OpenSea resources that you can include on your marketing materials, webpage, and/or mobile application"): Full logo dark `https://static.seadn.io/logos/OpenSea-Full-Logo%20(dark).svg` (+ `.png`), Full logo light `.../OpenSea-Full-Logo%20(light).svg`, `.../Logomark-Blue.svg`, `.../Logomark-White.svg`, `.../Logomark-Transparent%20White.svg`. The page states **no clear-space, minimum-size, or don't rules**; observed minimum render is 30px mark / 22px wordmark — treat the disc diameter as the clear-space unit.
- Legacy (OS1) published palette — still the only "official" palette on docs.opensea.io:** Dark Sea `#1868B7`, Sea Blue `#2081E2`, Marina Blue `#15B2E5`, Aqua `#2BCDE4`, Fog `#E5E8EB`. The live OS2 product does **not** use these (its blue is `#0786FF` / `#0086FF`; there is no aqua/teal anywhere). One migration leftover survives: a verified-badge SVG on the collection page still carries `fill="rgb(32,129,226)"` (= `#2081E2`) as an attribute, overridden by the `fill-blue-3` class. **Rule for a new product: build on the live OS2 tokens (\$1.3); use the legacy palette only if you must match older partner/marketing collateral.**
- Trademark terms** (opensea.io/tos, last updated Sep 14, 2025): OpenSea retains all trademarks, service marks and trade dress; users may not "copy or imitate" the OpenSea name, logo or marks, nor use them in metatags/hidden text without authorization; **API users must "provide appropriate attribution to OpenSea on your site or in your product"** and may not strip proprietary notices. A product intended for adoption should therefore be built *for* OpenSea (or under written license), not as a look-alike.

1.2a Company history (primary source: opensea.io/about-opensea "Our Journey", verbatim)

- 2017 — Founded.** "Devin Finzer and Alex Atallah launch OpenSea as the first open marketplace for NFTs."
- 2018 — Y Combinator.** "OpenSea joins YC's Winter 2018 batch and raises its first seed round."
- 2021 — Mainstream Breakthrough.** "NFTs go mainstream. OpenSea surpasses \$10B in cumulative volume and becomes the leading NFT marketplace."
- 2022 — Series C.** "Raises \$300M at a \$13.3B valuation from Paradigm and Coatue..."
- 2023 — OpenSea Pro & Studio.** "Launches OpenSea Pro for power traders and OpenSea Studio for creators to manage collections and drops."
- 2024 — OpenSea 2.0.** "A ground-up rebuild of the platform — faster, cleaner, and built for the next era of digital ownership."
- 2025 — Token Trading.** "Expands beyond NFTs into token trading, becoming a unified exchange for all digital assets."

- OS2 rollout (press/blog): private beta opened **Jan 26, 2025** (Gemesis holders) → public launch + OpenSea Foundation/\$SEA announced **Feb 13, 2025** → **"OS2 is now out of beta" May 29, 2025** (token trading across 19 chains, Voyages launched; Finzer: "OS2 is the foundation for the next generation of OpenSea"; "rebuilt the platform from the ground up to become the best destination for everything on-chain, from NFTs to tokens, across chains and communities"). Mission line on /about: *"OpenSea is building the exchange for the ownership economy — a future where making is owning, taste is earning, prediction pays, and every intelligence, human or artificial, trades value without asking permission."*
- The GT America typeface and #0786FF blue arrived with OS2; the pre-OS2 site used Inter and #2081E2 **[typeface switch date UNVERIFIED — no public announcement found]**.

1.3 Color system (source of truth: CSS custom properties, RGB triplets)

Colors are stored as space-separated RGB triplets and consumed as `rgb(var(--color-x))` or `rgb(var(--color-x)/α)`. Tailwind v4 utilities wrap them (`bg-bg-primary`, `text-text-secondary`, `border-border-1`, `bg-blue-3/10`, ...).

Neutrals — dark (`:root`, `.dark`, default)

TOKEN	RGB	HEX	ROLE
<code>bg-app</code> / <code>bg-app-root</code>	16 16 17	#101011	page ground, footer bar, modal panel, tab bars
<code>bg-primary</code>	20 20 21	#141415	sidebar, top bar, cards, menus, tooltips, inputs, item-page media half
<code>bg-secondary</code>	23 24 26	#17181A	input hover
<code>bg-additional-1</code>	27 29 31	#1B1D1F	hero slide bg, image placeholder, row hover, selected chip fill, segmented track
<code>bg-additional-2</code>	38 39 45	#26272D	active rail pill, skeleton pulse, row active, keyboard-highlight, chain badge, slider track
<code>bg-additional-3</code>	60 61 64	#3C3D40	Beta badge, live-row flash start, scrollbar thumb
<code>bg-contrast-1</code> / <code>-2</code>	137 138 140 / 149 149 151	#898A8C / #959597	grey (creator) verified badge
<code>border-1</code> / <code>-2</code> / <code>-3</code>	38 39 45 / 52 53 60 / 67 68 71	#26272D / #34353C / #434447	hairlines: default / grouped-list & selected chip / hover
<code>text-primary</code>	255 255 255	#FFFFFF	
<code>text-secondary</code>	172 173 174	#ACADAE	labels, inactive icons, subtitles, column headers
<code>text-tertiary</code>	67 68 71	#434447	

Alpha "glass" neutrals — dark (all white-based): `bg-primary-transparent` 2% · `bg-secondary-transparent` 4% · `bg-additional-1-transparent` 8% · `bg-additional-2-transparent` 12% · `bg-additional-3-transparent` 16% · `bg-contrast-1-transparent` 24% · `bg-contrast-2-transparent` 32% · `border-1/2/3-transparent` 8/12/16% · `border-special-inset-1` 8% (the inset ring) · `frosted-1..7` 4/8/12/16/24/32/50% · `overlay` black 60%.

Neutrals — light (`.light`): `text-primary` #171717, `text-secondary` #666666, `text-tertiary` #C9C9C9; `bg-app` #FAFAFA, `bg-primary` #FFFFFF, `bg-secondary` #FAFAFA; `bg-additional-1/2/3` #F2F2F2 / #EBEBEB / #E6E6E6; `bg-contrast-1/2` #8F8F8F / #808080; `border-1/2/3` #EBEBEB / #DCDCDC / #C9C9C9; **all `-transparent` tokens resolve to their opaque counterparts** (no glass in light mode); `border-special-inset-1` black 8%; `overlay` black 40%.

.unified-design variant (deeper, neutral-grey blacks; an in-progress theme flag): `bg-app` #080808, `bg-primary` #0C0C0C, `bg-secondary` #0F0F0F, `additional-1/2/3` #161616 / #202020 / #333333, `border-1/2/3` #202020 / #2C2C2C / #444444, `text-secondary` #ACACAC, `text-tertiary` #444444. Build against the default tokens; do not hard-code either.

Brand blues (same in both themes): `blue-1` #83C3FF (131 195 255 — link color in dark) · `blue-2` #2092FF (primary hover) · `blue-3` #0786FF (**primary, verified badge, focus**) · `blue-4` #0679E6 (switch-on hover) · `blue-5` #055EB3 (link hover in light) · `blue-6` #2097FF · `blue-7` #23028F. `link` = blue-1 (dark) / blue-3 (light); `link-hover` = blue-3 / blue-5.

Secondary brand accents (reserved; rarely seen in UI): `pink-1` #FF00AA, `pink-2` #E60099, `purple-1` #5C00D2, `purple-2` #7B00FF. Note token pages derive a **per-asset accent from the token logo** (e.g. WETH magenta #CC296E, ARB #4D90B7) and apply it inline to the chart line/area and the swap CTA — brand blue yields to asset color in trading contexts.

Semantic: `success-1` #47BB64 (positive %, Live dot, NEW/MINTING NOW badges, sparkline up), `success-2` #0FBE39, `success-3` #089D2E; `error-1` #E24756 (negative %), `error-2` #DE2B3D, `error-3` #C21E2F; `warning` #FFCC00 (footer "Paused" dot); `caution` #F47100. Each has `-transparent-1` (8%) and `-transparent-2` (16%) — e.g. depth bars use `success-1-transparent-2`. Light-mode values: `success-1` #28A948, `error-1` #EA3943, `warning` #E6B800.

Rarity tiers (dark / light): `legendary` #FF8A00 / #FF8A00 · `epic` #D358FF / #A335EE · `rare` #00A3FF / #0066FF · `common` #898A8C / #8F8F8F; each with `-transparent` (30%) and `-transparent-1` (8%). Observed mapping by trait frequency: ≤1% legendary; >1–5% epic; >5–16% rare; common above that **INFERRED BOUNDARY**. Rarity pill = tier text on 30% tier tint, **no border**; rank numbers (e.g. "#915") also take the tier text color.

1.4 Typography

- Sans:** `gtAmerica` (GT America Standard by Grilli Type). Files loaded: Regular 400, Medium 500, **Bold file mapped to weight 600**. No 700 file — `font-weight: bold` resolves to the 600 face. Fallback `local("Arial")` with `ascent-override 98.5%; descent-override 25.41%; size-adjust 101.52%`.
- Mono:** `gtAmericaMono` (GT America Mono) Regular 400, Medium 500. Fallback Arial with `ascent-override 73.6%; descent-override 18.99%; size-adjust 135.87%`.
- `font-display: swap`; `-webkit-font-smoothing: antialiased`; no letter-spacing anywhere in the app (`tracking-tight` only on the 60px marketing display).
- Stack: "gtAmerica", "gtAmerica Fallback", ui-sans-serif, system-ui, sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol", "Noto Color Emoji" ; mono: "gtAmericaMono", "gtAmericaMono Fallback", ui-monospace, SFMono-Regular, Menlo, Monaco, Consolas, "Liberation Mono", "Courier New", monospace .
- Licensing:** GT America is a commercial typeface (Grilli Type) **UNVERIFIED COST** . If it cannot be licensed, the closest free stand-ins are Inter/Geist for sans and Geist Mono/JetBrains Mono for mono **UNVERIFIED METRIC FIT** — but a product intended for adoption into OpenSea's line should use the real family.

Type scale (custom utilities, px):

UTILITY	SIZE	OBSERVED USE
<code>text-2xs</code>	10	social-score micro labels; card "Last sale" label at <xl
<code>text-xs</code>	12	footer bar, chips/badges, column headers, stat labels, axis ticks, legal
<code>text-sm</code>	14	default UI size: body, buttons, tabs, table cells, card names, prices
<code>text-md</code>	16	large buttons (h-12), accordion labels, page subtitles, rail labels
<code>text-heading-xs</code>	18	gated-state tagline
<code>text-heading-sm</code>	20	section titles ("Trending Tokens"), compact collection title, token name
<code>text-heading-md</code>	24	page H1 ("Drops"), FAQ H2, spotlight titles
<code>text-heading-lg</code>	32	collection/item H1, hero title ≥md, price heading, token-page section headings
<code>text-display-sm</code>	24	modal titles ("Connect with OpenSea", "Shortcuts"), expanded search input, hero title <md
<code>text-display-md</code>	32	marketing H1 ("Swap everything")
<code>text-display-lg</code>	48	(marketing)
<code>text-display-xl</code>	60	marketing hero ("Equip your AI agents", <code>leading-[1.05] tracking-tight text-balance</code>)
Line-heights: <code>leading-tight</code> 1.25 (headings, stat labels), <code>leading-normal</code> 1.5 (everything else), <code>leading-none</code> 1 (rarity pills). Weights: 400 body/inactive, 500 for anything emphasized (names, selected tabs, buttons, headings). 600 appears only in third-party UI.		

Mono/sans rule (non-negotiable): numbers, currency, %, counts, timestamps, addresses-as-data, column headers, stat labels, chips → `font-mono` . Names, prose, buttons, tabs, menu items → sans. Mono labels are `uppercase` ; sans is never uppercase.

1.5 Number & text formatting conventions

- USD ≥ \$1: `$2,516.48` (2 dp, thousands separators). USD < \$1: 4 significant digits `$0.0604` , `$0.09709` . Large: 1 dp with suffix, trailing `.0` dropped: `$304B` , `$3.3B` , `$946.4M` , `$11M` , `$242.2K` ; prices may keep 2 dp at K (`$71.76K`).
- Crypto: `4.039 ETH` with the unit in a separate grey mono span; `0.0817 ETH` ; `3.87 WETH` ; dust `< 0.01` . Quantities `379.5K` , `321K` .
- Percent: always signed, 1 dp unless whole: `+102%` , `-0.8%` , `+3,063.5%` , `0%` . Color: positive `text-success-1` , negative `text-error-1` , zero white.
- Counts: full digits `2,364,518` , `8,888 ITEMS` . Supply/listed: `760 (7.6%)` .
- Time: relative `now` , `1s ago` , `7m ago` , `2h ago` , `3w ago` , `2mo ago` , `1y ago` ; expiry `9m` , `24h` ; absolute `Aug 21, 2026, 8:05 PM` ; schedule `August 23 at 8:00 AM EDT` ; chips `JUL 2021` , `10 YEARS AGO` ; countdown `HH:MM:SS` via NumberFlow.

- Addresses: `0x2946...a20b` (6 + ... + 4) sans, or 6-hex-char identicon labels `f04a5c` in wallet tables; contract links carry a 16px  (North East / Arrow Outward) icon and are never underlined.
- Document titles: "{Collection} {floor} ETH – Collection | OpenSea", "{Token} ({TICKER}) Price Today | Buy & Swap | OpenSea", "Trending NFTs | OpenSea", "Drops"→"Live & Upcoming Drops | OpenSea".
- Capitalization: sentence case for sentences and subtitles; Title Case for buttons/tabs/menu items ("Make Collection Offer", "Recently listed" is sentence case in sort menus); UPPERCASE only via mono labels.

1.6 Voice & tone (observed copy)

Company values as published on /about ("What We Stand For"): **"Today, not tomorrow."** — *"Bias to action, ship early and often, culture of urgency as a self-evident philosophy. Slowness anywhere justifies slowness everywhere."* · **"Be a futurist"** — *"Tinkerer and technologist... Accelerationist, positive view of the future."* · **"Dive deep"** — *"Multiple standard deviations above the norm in detail orientation. Fearlessness with complexity."* These explain the UI's density and live-data emphasis.

Short declaratives, no hype, no exclamation marks, no emoji. Subtitles explain the heuristic plainly: "Collections with momentum today", "Largest floor price change in the past day", "This week's curated collections". Empty states are calm and directive: "No items found" / "Discover new collections on OpenSea" / "Go to Discover"; "No collections found" / "We've been searching the blockchain." Errors: "Something went wrong" / "An error occurred. Try refreshing the page." Gating: "Connect your wallet to view held tokens", "Sign in to view". Legal line: "By connecting your wallet and using OpenSea, you agree to our Terms of Service & Privacy Policy." Feature flags use a `Beta` chip and "Coming soon" tooltips.

02 Foundations (tokens to copy into a new codebase)

2.1 Stack (evidenced)

Next.js (App Router, `data-nim`, RSC payload, Vercel `?dpl=` asset hashes) · **Tailwind v4** (`@layer` theme/base/utilities, `--spacing`, `color-mix()`) · `tailwindcss-animate` (`animate-in/out`, `fade-in-0`, `zoom-in-95`, `slide-in-from-*`) · **Radix** (Dialog, DropdownMenu, Collapsible, ToggleGroup, Slider, Switch) · **Base UI** tooltips/popovers · **cmdk** for searchable lists · **Embla** carousels · **visx** charts · **TradingView Charting Library** (candles, `customCSS=/tradingview-chart.css`) · **NumberFlow** (`<number-flow-react>`) animated numerals · **sonner** toasts · Fresnel SSR media containers (`fresnel-greaterThanOrEqual-lg`) · Material Symbols icon paths (`viewBox="0 -960 960 960"`) · Intercom support · CookieConsent banner. Component parts are named `data-id="Item" / ItemAvatar / ItemContent / ItemTitle / ItemDescription / ModalContent / Markdown`; test hooks via `data-testid`.

2.2 Spacing, sizing, layout tokens

- Base unit `--spacing: .25rem` (4px). Common rhythm: 4 / 8 / 12 / 16 / 24 / 32 / 48.
- Named layout heights: `side-nav 52px` · `lg-top-nav 64px` ($\geq$ lg) · `sm-top-nav 68px` ($<$ lg) · `hero-header-compact 70px` · `tab-menu 32px` (52px on the discover grid; collection tab bar is 56px) · `filter-toolbar 40px` · `filter-search-pills 40px` · `bottom-action-bar 48px` · `page-footer 32px` · `outage-banner 48px` · `--ios-inset-bottom` (safe area) · `--outage-banner-offset`.
- Content container: `max-w-[calc(1920px+48px)]` with `px-4 lg:px-6` (24px gutters) — content starts at x=76 next to the 52px rail. 12-column grid (`lg:grid-cols-12`, no gap) for page-level splits.
- Breakpoints (custom screens): **393** (sm) · **768** (md) · **1025** (lg) · **1280** (xl) · **1440** (2xl) · **1728** (3xl) · **1920** (4xl) · **2560** (5xl).
- Containers: xs 320, sm 384, md 448, lg 512, xl 576, 2xl 672, 3xl 768, 4xl 896, 5xl 1024, 7xl 1280.
- Radius: `xs 2` · `sm 4` · `rounded / md -ish: rounded 4, md 6` · `lg 8` (cards, menus, hero) · `xl 12` (modals, swap cards, inputs-lg) · `2xl 16` · `3xl 24` · `full` (all controls).
- Shadows: Tailwind defaults retained but practically only `shadow-xs` (`0 1px 2px #00000008`) on cards and `shadow-sm` on sliders; `shadow-expanded-search-menu = 0 0 20px 10px #10101008`; `inset-shadow-border = inset 0 0 0 1px rgb(var(--color-border-special-inset-1))` — the house hairline ring applied to every avatar, thumbnail, card (via `::before`), and media.
- Blur: `blur-sm 8` · `md 12` · `lg 16` (nav search) · `xl 24` (swap cards, compact hero) · `2xl 40` (pills, frosted stat boxes) · `3xl 64` (hero compact wash); carousel arrows `blur(30px)`.
- Z-index: `inset-border 10` · `navigation-tab-menu 20` · `top-navbar 50` · `toolbar 60` · `action-bar 70` · `sidebar 110` (footer = 109) · `fixed-bottom-sheet 210` · `takeover-modal-overlay 310` · `takeover-modal 410` · `overlay 510` · `sheet 610` · `modal 710` · `tooltip 810` (menus/popovers share it) · `toast 910` · `expanded-search 1000` · `top 1010/3000` · `onboarding 2000`.
- Scrollbars: hidden (`scrollbar-hidden`) on rails and horizontal scrollers; thin custom (`size-2`, thumb `bg-bg-additional-3 rounded`) inside modals.

2.3 Motion tokens

- Default transition: 150ms `cubic-bezier(.4,0,.2,1)`.
- House easings:** `ease-out-quint cubic-bezier(.22,1,.36,1)` (panels, rails, tabs, theme switch, modal), `ease-out-circ cubic-bezier(0,.55,.45,1)` (card hover), `ease-out cubic-bezier(0,0,.58,1)` (buttons, data flashes), `--ease-out-expo cubic-bezier(.16,1,.3,1)`, `--ease-out-cubic cubic-bezier(.33,1,.68,1)` (live-row fade); drawer `cubic-bezier(.32,.72,0,1)`.
- Durations in use: 100 · **150** (tooltip/menu fade, buy-bar slide, chevrons) · **200** (hover/press, card lift, live-row enter, arrows) · **300** (modals, search overlay, rail width, grid reflow 500) · 800 (data flash) · 1000 (hero wash, quote opacity) · 2000 (live-row bg fade) · 4000 (hero autoplay).
- Keyframes: `enter/exit` (`tailwindcss-animate`), `positive-change-bg` / `negative-change-bg` (bg from success/error 20% → none, .8s), `blink` (from bg-additional-3), `live-animation-bg` (bg-additional-3 → transparent) and `live-animation-sticky-bg` (→ bg-app), `ping` (1s, Live dot; chart endpoint custom 1.25s scale 1→2.25), `pulse` (2s, skeletons, "Strong" pill), `spin` (1s, search spinner), `shine` + `holo-ring-spin` (holographic card effects), `thumb-bounce-up/down` ($\pm 12^\circ$ rotate, scale 1.05 — like/dislike), `unopened-shipment-border-animation` (rotating border for physical shipments), `slideFrom/To Bottom|Top|Left|Right` (sheets), `reveal-dark/light` (theme), sonner fades/swipes. `prefers-reduced-motion` media queries exist.

03 Application shell

3.1 Left icon rail (<aside class="group fixed inset-y-0 z-sidebar h-full left-0">)

- **52px** wide, full height, `bg-bg-primary`, 1px right border `border-border-1`, `px-2 py-4`, `gap-2`, scrollbar hidden. Expandable (`transition-width duration-300 ease-out-quint`) with a scrim; expansion is disabled on the homepage (labels exist as `opacity-0 group-hover:opacity-100` 16px white text).
- Items: **36x36 circular**, `p-2`, 20px Material icon, 44px pitch. Inactive `text-text-secondary bg-transparent` ; hover `bg-bg-additional-2 text-text-primary` (200ms quint); active route `bg-bg-additional-2 text-text-primary aria-current="page"` . Logo item `h-9 p-[3px]` holding the 30px mark.
- Order (verbatim): Discover `/` · Collections `/collections` · Tokens `/tokens` · Swap `/swap` · Drops `/drops` · Activity `/activity` · Rewards `/rewards` · Tools `/tools` (+ Beta chip: `rounded py-0.5 px-1.5 bg-bg-additional-3 text-xs font-medium text-text-secondary`) · Studio `/studio` · Profile `/profile` · divider (`h-px bg-border-1-transparent my-1`) · Resources ▾ (Learn, Help Center, Blog, Careers, About, Tax Resources, Discord, Dev Docs, What's New) · Settings ▾ (Profile, Linked Wallets, Notifications, Customize, Developer, Verification, Shortcuts, Mobile Allowlist) · Support. Collapsible chevrons rotate 180° closed / 270° open.
- Links prefetch on `pointerover` .

3.2 Top bar (<nav aria-label="Miscellaneous" class="sticky top-0 z-top-navbar h-sm-top-nav lg:h-lg-top-nav py-3">)

- 64px (68 <lg), `bg-bg-primary` + 1px bottom `border-border-1` (on collection pages: transparent with `bg-gradient-to-b from-black/30 to-black/0` over the banner).
- **Search trigger** (≥lg): 360x40, `rounded-md` (6px), `bg-bg-primary-transparent` (white 2%), `border border-border-1-transparent`, `backdrop-blur-lg`, `px-3 pr-2`, 18px search icon, placeholder **"Search OpenSea"** in white 14px, trailing key cap `"/"` 24x24 `rounded border border-border-1-transparent` . Keyboard: `/` or `⌘K` .
- **Connect Wallet** (logged out): ghost pill `h-10 px-4 rounded-full text-sm font-medium`, transparent, hover `bg-bg-additional-1-transparent` (white 8%), `active:scale-[0.97]` . Note: the header CTA is *not* blue; blue is reserved for in-context primary actions.
- Profile: 40x40 ghost icon button (`account_circle`), `→ /profile` (logged out: gated page + auto-opened Connect modal).

3.3 Fixed footer status bar (<footer class="fixed bottom-0 left-side-nav h-page-footer z-[109] bg-bg-app border-t border-border-1">)

- **32px**, 12px text, `text-text-secondary`, 24px gutters, separators `w-px h-4 mx-4 bg-border-1-transparent` .
- Left: **Live** (8px `bg-success-1` dot + `animate-ping opacity-75` halo; turns `bg-warning` + "Paused" when the feed pauses) · ⚡ **Aggregating** (tooltip "Liquidity from": OpenSea, Uniswap, Orca, Raydium, Pancake Swap, Aerodrome, FOMO, Pumpfun, Meteora, Solfi, MetaMask, Axiom, Terminal, Trojan, Blur, CryptoPunks — each with green "Active" dot) · 🌐 **Networks** (tooltip "All networks · 28 networks", 3 columns: Ethereum, Base, Arbitrum, HyperEVM, Optimism, Abstract, Monad, Ink, Polygon, ApeChain, MegaETH, Robinhood Chain, Soneium, Somnia, AnimeChain, Avalanche, B3, Berachain, Blast, Flow, GUNZ, Hyperliquid, Ronin, Sei, Shape, Stable Chain, Unichain, Zora) · **Terms of Service** `/tos` · **Privacy Policy** `/privacy` .
- Right: ☰ **ETH price** (12px glyph + mono `$2,501.59` , links to the ETH token page) · ? **Support** (opens Intercom) · **theme segmented control** [Light Mode | Dark Mode | Contrast=system] · **[Collector | Pro]** · **[Crypto | USD]** · 🔊 sound toggle (20x20).
- Segmented control recipe: track `inline-flex rounded-full gap-1 overflow-hidden bg-bg-additional-1 p-0.5` (24px); items `role=radio h-5 px-1.5 text-xs rounded-full text-text-secondary hover:text-text-primary data-[state=on]:font-medium data-[state=on]:text-text-primary` , the on-item carrying an absolutely-positioned sliding `rounded-full bg-bg-primary` thumb.
- Persistence: theme `→ localStorage.theme + html.light/.dark + color-scheme` ; currency `→ cookie currencyPreference=crypto|usd` ; **Pro** `→ cookies itemView=table, heroHeaderView=compact, statsTableView=table, homeStatsTableView=tableCompact, ...SidePanelState=open` (Pro = 32px rows, 24px avatars, more columns, compact hero). Shortcuts: `T M` mode, `T C` currency.

3.4 Keyboard shortcuts (Shortcuts modal, verbatim)

Discover `G D / G H` · Stats `G S` · Activity `G A` · Rewards `G R / G L` · Profile `G P` · Toggle Collector/Pro `T M` · Toggle Currency `T C` · Copy page content for agents `C A` · Search `/` or `⌘K` · Shortcut help `?` · Previous item `J / ←` · Next item `K / →` · Exit item page `ESC` . Key caps: `h-[18px] aspect-square rounded border border-border-1 bg-bg-primary font-mono text-xs uppercase` , joined by lowercase mono "then" at 75% opacity.

04 Component library (recipes with verbatim classes)

4.1 Buttons

Base: `inline-flex items-center whitespace-nowrap justify-center rounded-full font-medium transition-[scale,colors] duration-200 ease-out focus-visible:outline-hidden active:scale-[0.97] disabled:pointer-events-none disabled:opacity-40`

VARIANT	CLASSES	SIZES
Primary	<code>bg-blue-3 hover:bg-blue-2 focus:bg-blue-2 active:bg-blue-2 text-white</code>	<code>h-12 px-6 text-md</code> (48px — Buy Now, Connect Wallet on gated pages, Register a tool) · <code>h-10 px-5 text-sm</code> (40 — swap CTA, Sign in to view) · <code>h-8 px-3 text-sm</code> (32 — Buy Floor, mobile sheet) · icon <code>h-8 w-8 p-1.5</code>
Secondary	<code>bg-bg-primary hover:bg-bg-additional-1 border border-border-1 hover:border-border-2</code>	same sizes (Make Offer 48, Make Collection Offer 32, Go to Discover 40) · icon <code>h-8 w-8 p-1.5</code> (Collapse filters, Customize)
Ghost	<code>hover:bg-bg-additional-1-transparent focus:... active:... (no border)</code>	<code>h-10 px-4</code> (Connect Wallet header), icon <code>w-10 p-2.5</code> , tiny <code>size-5 p-0 text-xs</code>
Frosted secondary (over imagery)	<code>bg-frosted-1 border border-frosted-2 backdrop-blur-2xl</code> INFERRED NAMES; MEASURED 4%/8%	<code>h-12 px-6</code> (Saved Tools)
Buy-bar (card hover)	<code>size-full rounded-none bg-blue-3 hover:bg-blue-2 justify-start px-0</code> → <code>flex justify-between h-12 px-3</code> "Buy Now" + mono price	48px, full card width
Carousel arrow	<code>size-10 rounded-full border border-white/20 dark:bg-black/40 backdrop-blur-[30px] opacity-0 group-hover/carousel:opacity-100 transition-opacity duration-200</code> (over media) or <code>rounded-full p-2 bg-bg-primary border border-border-1</code> 34px (over cards)	
Modal close/back	<code>absolute top-6 right-6 rounded-full border border-border-1 p-1</code> 34px; icon <code>fill-text-primary hover:fill-text-secondary</code>	
Text link	<code>no-underline text-link hover:text-link-hover</code> (in prose/tooltips) · <code>text-text-primary hover:text-text-secondary</code> (legal) · <code>text-text-secondary hover:text-text-primary</code> ("More results")	
No destructive variant observed; use <code>bg-error-2 hover:bg-error-3</code> INFERRED . Focus: default suppresses outline; opt-in ring tokens are <code>focus-visible:outline-2 outline-offset-2 outline-blue-3</code> or <code>ring-2 ring-blue-3 ring-offset-2</code> .		

4.2 Pills, chips, tabs, toggles

- Frosted filter pill / switch** (homepage categories, chains, NFTs|Tokens, Buy|Sell): `h-8 rounded-full px-3 text-sm backdrop-blur-2xl transition-[scale,colors] duration-200 ease-out`, gap-1 with 16px icon. Unselected `text-text-secondary bg-bg-primary-transparent border border-border-1-transparent hover:bg-bg-additional-1-transparent hover:border-border-2-transparent`; selected `font-medium text-text-primary bg-bg-additional-1-transparent border-border-2-transparent hover:bg-bg-additional-2-transparent hover:border-border-3-transparent`. Icon-only = 42×32 (chains) / 32×32.
- Solid pill** (collection/stats pages, search panel, activity filters): selected `font-medium text-text-primary bg-bg-additional-1 border border-border-2 hover:bg-bg-additional-2 hover:border-border-3`; unselected `text-text-secondary bg-bg-primary border border-border-1 hover:bg-bg-additional-1 hover:border-border-2`. Heights: `h-8 px-3` (tabs like Trending|Top|Watchlist, Live & Upcoming|Past), `h-7 px-2.5` (filter-panel chips), `h-9 px-2` (search chain chips), `h-6 px-2 text-xs` (25%/50%/75%/Max presets).
- Active-filter chip** with x: `h-8 rounded-full p-2 pl-3 bg-bg-primary border border-border-1 gap-2` + 16px Close icon; a `Clear` chip beside it.
- Text tabs** (collection, item, token, profile): container `flex gap-6` with `border-b border-border-1`; tab `relative pb-2 pt-1.5 text-sm` (16px on profiles) `font-normal text-text-secondary hover:text-text-primary`; active `font-medium text-text-primary` + `<span class="absolute bottom-0 h-0.5 w-full bg-text-primary">` (2px white underline, animated between tabs **INFERRED FRAMER LAYOUTID**). No counts, no pill background.

- **ToggleGroup** (time ranges 15m...All, view density): items `relative flex items-center rounded-full py-1 px-3 h-8 text-sm text-text-secondary hover:text-text-primary data-[state=on]:font-medium data-[state=on]:text-text-primary active:scale-[0.97]`; the on-item gets a sliding `absolute inset-0 rounded-full bg-bg-primary border border-border-1` (solid contexts) or `backdrop-blur-2xl bg-bg-primary-transparent border-border-1-transparent` (glass contexts).
- **Segmented with track** (footer, Buy/Sell in action bar): see §3.3; action-bar size `h-7 px-3 text-sm` in a 32px `bg-bg-additional-1 p-0.5 track`.
- **Tag/status chip** (the most reused atom): `flex items-center h-[18px] w-fit whitespace-nowrap rounded px-1.5 py-1 border border-border-1 bg-bg-primary font-mono uppercase text-xs` → "ERC721", "ETHEREUM" (+10px chain glyph), "TOKEN #4344", "COLLECTION", "10K ITEMS", "4 NETWORKS", "ACCOUNT", "10 YEARS AGO", "AUTO", "Ending in 7 days". Variants: **outline-success** `border-success-1 text-success-1 bg-transparent` ("NEW", "MINTING NOW" + 6px dot with ping); **frosted** `border-frosted-3 bg-frosted-2` ("JUL 2021", "JOINED JAN 2018", "BY THEIGLOOCOMPANY"); **rarity** `border-none bg-<tier>-transparent text-<tier>` (`h-[18px]` in tables, `h-fit text-sm leading-none` on trait cards); **pulsing** `rounded py-0.5 px-1.5 bg-success-1-transparent-1 animate-pulse text-success-1 text-xs font-medium` ("Strong"); **Beta** `bg-bg-additional-3 text-text-secondary`.
- **Switch** (settings): `h-5 w-10 rounded-full border-2 border-transparent`, off `bg-bg-additional-2` hover: `bg-bg-additional-3`, on `bg-blue-3` hover: `bg-blue-4`, 16px white thumb `translate-x-0` → `translate-x-5`.
- **Checkbox**: 16px, checked `border-0 bg-blue-3` + white check.
- **Slider** (Radix): track `h-2 rounded-full bg-bg-additional-2`, range `bg-blue-3`, thumb `size-4 rounded-full bg-blue-3 shadow-sm`.

4.3 Inputs

- Wrapper pattern (the input itself is unstyled): `inline-flex items-center rounded-md bg-bg-primary hover:bg-bg-secondary border border-border-1 gap-1 text-sm px-3 pl-2 h-8` (32px toolbar search, filters) · `h-10` · `h-14 rounded-xl px-3` (56px — Connect-modal email). Inner `<input class="w-full border-0 bg-transparent outline-hidden placeholder:text-text-secondary text-md md:text-sm [appearance:textfield]">` — number spinners globally hidden; **no focus ring** (hover darkens the wrapper; `aria-invalid` drives error styling (**INFERRED**)).
- Search inputs add an 18px leading `Search` icon and `role="combobox"` (cmdk). Placeholders verbatim: "Search OpenSea", "Search by item or trait", "Search for trait", "Search for chains", "Search for collections", "Search for items", "Search by name, chain or address", "Continue with email".
- Stepper: `w-[105px] font-mono [&_input]:text-center` with 16px ± icon buttons. Range pair: `Min / to / Max` + secondary `Apply` (disabled until dirty).
- Big numeric (swap): `!font-mono !font-medium !text-heading-lg 32px` with a leading `$`, presets fade in on card hover, fiat mirror below in `text-sm text-text-secondary font-mono` via NumberFlow.

4.4 Surfaces

- **Card**: `rounded-lg bg-bg-primary shadow-xs before:absolute before:inset-0 before:inset-shadow-border before:z-inset-border before:rounded-inherit` (hairline via pseudo-element); optional `border border-border-1 p-4` for content cards (price box, trait cards, accordions).
- **Glass card** (over imagery): `rounded-lg border border-frosted-4 bg-frosted-2 px-3 py-3 md:px-4 backdrop-blur-2xl` (hero stat box) · `rounded-xl border border-frosted-2 bg-frosted-1 p-4 backdrop-blur-xl` (swap CTA well) · row/image cards `border border-border-1-transparent bg-bg-primary-transparent`.
- **Grouped list**: `ul. rounded-xl. border. border-border-2. bg-bg-primary` with rows `p-4 gap-3 border-b border-border-2 hover:bg-bg-additional-1 active:bg-bg-additional-2`, first/last rows rounded.
- **Menu / tooltip / popover**: `z-tooltip bg-bg-primary font-sans text-sm border border-border-1 animate-in fade-in rounded-lg p-1` (menus: items `px-2 py-1.5 rounded hover:bg-bg-additional-1 active:bg-bg-additional-2 gap-2.5 33px`, width = trigger, `max-h-[450px]`, **no check indicator on selected**) · `rounded-md p-2` (tooltips, no arrow, no shadow, ~100ms delay, side top, 8px offset; `max-w 400px`) · `w-[275px] rounded-lg p-2` (popovers).
- **Modal**: overlay `fixed inset-0 bg-overlay z-modal` (black 60%, no blur, 300ms fade); panel `rounded-xl border border-border-1 bg-bg-app w-[480px] |w-[550px] max-w-[calc(100vw-32px)]` with `fade-in-0 zoom-in-95 duration-300 ease-out-quint`; scroll body `px-6 pt-12 pb-6`; title `text-display-sm font-medium leading-tight text-center` (24px); close 34px ring button top-6 right-6. Image lightbox: `size-[min(calc(100vh-50px), calc(100vw-50px))]`.
- **Bottom sheet (mobile)**: `fixed bottom-0 inset-x-0 z-fixed-bottom-sheet rounded-t-xl border border-border-1 bg-bg-app p-4 pb-[calc(var(--ios-inset-bottom)+16px)]`, content gets `pb-40` clearance.
- **Accordion** (Radix Collapsible) card: `rounded-lg border border-border-1 bg-bg-primary`; trigger `w-full p-4 flex justify-between text-text-secondary hover:text-text-primary [&[data-state=open]]:text-text-primary transition-colors duration-150 ease-out-quint`; leading icon well 32px `rounded-lg border border-border-1 p-1` → 24px `rounded-sm border border-border-1 bg-bg-additional-1` → 16px icon; label `text-md font-medium text-text-primary`; chevron `Chevron Left` rotated -90° closed / +90° open (150ms quint); content `px-4 pb-4`. Filter-panel headers are the bare 32px version (`h-8 text-sm`, content `py-3`).

4.5 Tables (div-based `role=table`, virtualised)

- Header: `h-10 gap-4 sticky bg-bg-app border-b border-border-1`, cells `text-text-secondary font-mono uppercase text-xs` (12px), right-aligned numeric cells `justify-end font-mono`, sortable → `cursor-pointer` + tiny up/down glyph, active sort `font-medium text-text-primary`. First cell often `data-sticky` with `bg-bg-app group-hover:bg-bg-additional-1`.
- Row: `inline-flex relative w-max min-w-full items-center gap-4 border-b border-border-1 group cursor-pointer hover:bg-bg-additional-1 active:bg-bg-additional-2 h-12 text-sm` (**48px**; 60px for activity feeds and home rail; 32px narrow/Pro; 24px mini insight table). Whole row is an `<a>`.

- Cells: 32px `rounded` thumbnail (+16px chain badge `absolute right-[-3px] bottom-[-3px] size-4 rounded bg-bg-additional-2`, sometimes with a notched `clip-path` so the badge nests); name 14px/500 + 16px verified; numbers mono; % colored; `-` for missing; sparkline `svg[aria-label=sparkline]` 56x32 (cards) / 80x32 (tables), visx `stroke-success-1|stroke-error-1`, 2px round caps, no fill/axes.
- Inline bars: `role=progressbar` fill `bg-success-1-transparent-2 rounded` with the value text inside (`px-2 py-2 font-mono`).
- Live: new rows wrapped in `slide-in-from-top animate-in duration-200 ease-out-quint *:animate-live-animation-bg`; changed cells `animate-change-animation-bg animate-positive-change-bg|animate-negative-change-bg`.
- Skeletons: per-cell `animate-pulse bg-bg-additional-2` shapes at true row height (no reflow).
- Pagination: bare "Next page" link (`?page=2`).
- Canonical column sets: Collections — `[*] COLLECTION · FLOOR PRICE · 1D CHANGE · TOP OFFER · 1D VOL · 1D SALES · OWNERS · SUPPLY · LAST 7D`; Tokens — `[*] TOKEN · PRICE · 1H CHANGE · 1D CHANGE · 30D CHANGE · 1D VOL · FDV · LAST 1D`; Activity — `EVENT · ITEM · PRICE · QTY · RARITY · FROM · TO · TIME`; Token activity — `WALLET · EVENT · AMOUNT · TOTAL USD · FDV · PRICE · TIME`; Holders — `WALLET · % HELD · VALUE · QUANTITY HELD · LAST RECEIVED`; Orders — `Type · Price · QTY · From · Expiry`; Offers depth — `OFFER PRICE · VOLUME · OFFERS · BIDDERS`.

4.6 Stat display (`group/stat-display` , `data-size="sm|md"`)

Row `flex gap-4 md:gap-8 justify-between`; each stat `flex flex-col gap-2`; `label` `leading-tight font-mono uppercase text-xs opacity-60` (or `text-text-secondary`); `value` `leading-tight font-mono uppercase font-medium text-sm md:text-md` (16px in md, 14px in sm/compact) with NumberFlow digits and optional `text-success-1/error-1`. Vertical dividers `w-px h-auto bg-border-1-transparent`. Label sets: `FLOOR PRICE · ITEMS · TOTAL VOLUME · LISTED`; `FLOOR PRICE · 1D FLOOR % · TOP OFFER · 24H VOLUME · TOTAL VOLUME · LISTED · OWNERS (UNIQUE)`; `BEST OFFER · LAST SALE · COLLECTION FLOOR · RARITY`; `FDV · HOLDERS · 1D VOLUME · 1D FDV · 7D VOLUME · 7D FDV · 7D CHANGE`; `MINT PRICE · TOTAL ITEMS · ITEMS MINTED · MINT STARTS IN`; `USD VALUE · NFTS · TOKENS`.

4.7 Avatars & media

- Collections: `square rounded (4px)`; tokens, accounts, chains: `rounded-full`. Always with `inset-shadow-border` ring. Sizes: 24 (inline), 32 (tables), 40 (lists/home rail), 46/60 (collection header compact/full), 64 (token header), 80–84 (profile, spotlight), 96–100 (modal art).
- Chain badge on avatars: `absolute right-[-3px] bottom-[-3px] size-3|size-4 rounded-[3px]|rounded bg-bg-additional-2`. Chain stacks: 16px circles `border border-border-2 overlapping -ml-2`, ending in a mono `+17` counter.
- Item media: `aspect-square`, `object-contain` on `bg-bg-additional-1` with `animate-pulse bg-bg-additional-2` skeleton beneath; lazy `?w=500` thumbnails, `?w=2000` detail, originals from `raw2.seadn.io`.
- Hero/banner gradients: carousel `linear-gradient(180deg, rgba(0,0,0,0) 0%, rgba(0,0,0,.35) 25%, rgba(0,0,0,.65) 65%, rgba(0,0,0,.8) 100%)`; collection banner `linear-gradient(180deg, rgb(var(--color-bg-app)/65%) 0%, /40% 25%, /35% 50%, /75% 75%, rgb(var(--color-bg-app)) 100%)`; image cards `bg-linear-to-b from-transparent to-bg-app`; spotlight `bg-black/50 backdrop-blur-[10px]`; token narrative scrim `bg-black/40`. Hero media forces a `dark` scope so text stays white in light mode.
- Verified badge: scalloped seal SVG (Material `verified`), `fill-blue-3`, white check; sizes `size-3.5` 14 (inline), `size-4` 16 (lists), `size-6` 24 (titles); creator-level badge is grey `fill-bg-contrast-1` 14px.

4.8 Icons

Material Symbols (filled, `viewBox="0 -960 960 960"`, `fill-current`), rendered 16 (inside pills/chips), 18 (search), **20 (default: rail, actions, chevrons)**, 24 (close), 32 (add-to-cart). Named via `aria-label` (e.g. "Chevron Left", "More horiz", "Content Copy", "North East", "Arrow Outward", "Star", "Favorite", "Settings", "Filter List", "Show Chart", "Candlestick Chart", "Grid View", "Grid On", "Browse", "Table Rows", "Table Rows Narrow", "Bolt", "Sensors", "Help", "Light Mode", "Dark Mode", "Contrast", "Volume Down", "Stadia Controller", "Brush", "Account Circle", "Diamond", "Stat 0", "Attach Money", "Edit Note", "Tile Medium", "Energy Savings Leaf", "Shopping Bag", "Sell", "Offer", "Prompt Suggestion"). Chevrons never point right in a closed state — a left-chevron rotated -90° (down) is the convention, $+90^\circ$ (up) when open. Chain and wallet logos are inline SVG/IMG brand marks (`/img/wallet-logos/*.svg`, currency logos from `raw2.seadn.io/currency_logos/*.svg`). External links get a 16px ↗.

4.9 Charts (visx)

- Line chart: 450px tall (426 plot + 24px axis), `stroke-width 2`, area gradient from `accent@.5` → `bg-primary @.1`, endpoint dot `r=4 + 1.25s` ping ring, x-axis only (`font-mono text-[12px] fill-text-secondary`), no y-axis/grid/legend, dotted-pattern mask for projected segment. Item price history: 150px, `stroke blue-3 1.25px`, hollow `r=3` points, left axis `$0.00 / $50K`.
- Time ranges: `ToggleGroup` `15m 1h 1d 7d 30d 1y All` (token) / dropdown `All 30d 7d 1d 1h 15m 5m 1m` (rankings) / `Sales · Depth · Floor + 7d` (collection insights). Chart type radio: `line | candlestick` (TradingView iframe, 4h candles for 7d).
- Sparklines: 7 points, 2px, green/red by direction, no fill.
- Progress: `h-2 rounded bg-frosted-4` track + `bg-gradient-to-r from-blue-1 to-blue-3` fill (mint progress) or `bg-success-1` (confidence score).

4.10 Feedback

- Toasts: sonner (mounted `aria-label="Notifications alt+T"`), `z 910`; styled at runtime to the surface recipe `bg-bg-primary border-border-1 rounded-lg lg INFERRED`.

- Live indicator, price flashes, row slide-ins (see §2.3).
- Loading: `animate-pulse bg-bg-additional-2` skeletons; spinner `Progress Activity` icon `animate-spin fill-text-secondary` scaling 0.5→1.
- Error: "Something went wrong / An error occurred. Try refreshing the page." centered, 16px/500 + 14px secondary.

05 Page patterns

5.1 Homepage (Discover)

Grid `grid-cols-discover-lg-open` (8 cols hero + 4 cols stats rail; rail collapsible via "Collapse Stats" with `transition-[grid-template-columns] duration-500 ease-out-quint`). Row 1 (68px): category pills **All · Gaming · Art · PFPs · Physical · More▼** (Memberships, Music, Photography) left; chain pills **All · ̳ · ̶ · Base · More chains▼** (25) right; rail header **NFTs | Tokens**, `1d+`, density toggle, collapse. **Hero carousel** 787×400 `rounded-lg` + inset ring, Embla loop/drag, **4s autoplay**, 6 slides, overlay gradient, title 32px/500 + 24px badge, "By {creator}" 14px + grey badge, frosted stat box (FLOOR PRICE · ITEMS · TOTAL VOLUME · LISTED), three 80px `rounded-lg` thumbnails, hover-only arrows, **6px×40px bar pagination** (active white, inactive `bg-additional-2`, same width). **Rail table** 60px rows (COLLECTION | FLOOR, price over %), Pro: 32px rows (TOKEN | FDV | 1D %). Sections 48px apart, header `text-heading-sm font-medium` + `text-sm text-text-secondary` subtitle, 300px cards @16px gap, hover-revealed 34px arrows: Trending Tokens (row cards 300×82 with 48px logo + sparkline) · Featured Collections · Featured Drops (MINTING NOW / date) · Trending Collections · Top Movers Today · Highest Weekly Sales (787×324 spotlight, `bg-black/50 backdrop-blur-[10px]`) · Featured Tokens (FDV) · NFT 101 (16:9 article cards → `/learn`).

5.2 Collection page

Banner `aspect-8/3 xl:h-[min(670px,100vh-270px)]` with bg-app gradient; identity bottom-left: 60px `rounded` avatar, H1 `text-heading-lg` 32/500 + 24px badge + ★ + 20px action icons (Info, Copy, Website, X, Share, More▼: View on Etherscan · Instagram · Discord · Report Collection); meta pills 18px frosted mono (`BY ...`, `̳ ETHEREUM`, `̶ 8,888`, `JUL 2021`); stats right (`FLOOR PRICE · 1D FLOOR % · TOP OFFER · 24H VOLUME · TOTAL VOLUME`). **Compact sticky header** (70px band at y=64, blurred banner wash `backdrop-blur-3xl`, 46px avatar, 20px title, 14px values). Tab bar 56px sticky at 134: **Explore · Items · Tokens · Offers · Holders · Traits · Activity · Analytics · About**. Filter toolbar 40px sticky at 190 (32px controls, 12px gap): collapse «, search "Search by item or trait", sort pill (Price low to high · Price high to low · Most rare · Least rare · Recently listed · Highest last sale · Lowest last sale · Top offer · Recently transferred · Recently created · Oldest · Recently sold), 5-way density (Grid View · Grid On · Browse · Table Rows · Table Rows Narrow), Customize ⦿ (Show marketplace · Show rarity), **Insights** (Sales/Depth/Floor chart + 24px-row live activity). Results row: select-all + `8,888 ITEMS`. **Filter aside** 320px (no bg/border): Status (All · Listed · Not Listed), Rarity (Min/to/Max/Apply), Price (currency pill + range), Marketplaces (OpenSea 81 · Blur 136 checkboxes), Traits (per-type collapsibles with counts, cmdk search, 41px option rows). **Item grid** `grid-cols-[repeat(auto-fill,minmax(178px,1fr))]` (xl 186, 2xl 218) gap-3 → 4×204px with filters open; **card** 204×300: square `object-contain` media, 96px info (row 1: name 14/500 + rank badge `h-5 rounded bg-bg-additional-1 px-1` diamond + mono `#3,939`; row 2: mono price + marketplace glyph, "Last sale" 12px/11px mono), hover: lift+scale, 32px "+" on black/80 circle top-right, **48px blue Buy Now bar slides up** (150ms) covering row 2; selected: `outline-2 outline-blue-3` + 38px blue check. **Bottom action bar** 48px fixed above footer: [Buy|Sell] track, quantity slider 0–50 + mono stepper, "Max Price Per Item" input + USD, **Make Collection Offer** (secondary) · **Buy Floor** (primary); selection mode → thumbnails, "Buy 1 Now" · "Make 1 Offer" · total · Clear. Offers tab: trait panel (TRAIT · TOP OFFER with rarity pills) + depth table with `success-1-transparent-2` bars. Activity tab: event chips (All · Sale · Mint · Transfer · Listing · Item Offer · Collection Offer · Trait Offer · Airdrop), 60px rows.

5.3 Item page

Two-surface split: left 5/12 sticky media half `bg-bg-primary` + 1px right border, right 7/12 content on `bg-bg-app` (`gap-4`, `pt-6 pb-16 pl-6`). Media 533px square `rounded` (4px), click → lightbox. H1 `text-heading-lg` truncate; line 2: collection (24px round avatar + name + 14px badge) | "Owned by" address | socials · copy · ♥ (disabled logged out) · More▼ (View Original Media · Refresh Metadata); chip row `ERC721 · ETHEREUM · TOKEN #4344`. **Price card** `rounded-lg border border-border-1 bg-bg-primary p-4 gap-4`: stat strip (BEST OFFER · LAST SALE · COLLECTION FLOOR · RARITY, rank tier-colored), divider, eyebrow "Buy for", **32px mono price** (+ grey fiat in crypto mode), "Ending in 7 days" chip, buttons **Make Offer** (secondary) + **Buy Now** (primary) 48px `flex-1 gap-3`; unlisted → Make Offer only. Sticky 46px tab bar **Details · Orders · Activity**. Accordions: **Traits** (3-col grid of 233×111 cards: `BACKGROUND` 12px upper, value 14px, rarity pill `1,389 16%`, floor), **Price history** (150px visx), **About** (sub-heads 14/500, body 14 secondary, "A collection by" + 32px avatar), **Blockchain details** (Contract Address ↗ · Token ID ↗ · Token Standard · Chain · Metadata ⓘ), **More from this collection** (3×230px cards). Mobile: 130px bottom sheet with "Buy for" + 20px price + 32px buttons.

5.4 Token page & swap

Breadcrumb `All tokens > ethereum tokens`. Header: 64px round logo, name 20/400 + ticker grey + badge + ★ | copy · explorer · site · X · Telegram · More; chain stack + age chip. Price 32/500 mono with per-tick flash: `FDV: $304B`. Chart controls: `15m...All` ToggleGroup, `Auto▼`, line|candle. 450px accent-colored area chart. Stats strip. Sticky 40px tabs **Details · Activity · Holders**. Details = alternating 16:9 image + 32px heading + markdown sections, a carousel "Key Use Cases", Social Intelligence block, FAQ accordions (`bg-component-gray-1`). **Swap module** (sticky right 4/12, 311px): [Buy|Sell] glass switches, `AUTO 1%` chip + ⦿; two `rounded-xl border border-border-1 bg-bg-primary backdrop-blur-xl p-4` cards ("Pay with"/"Receive"), 32px direction button straddling them (`rounded-lg here`, `rounded-full on /swap`), token selector pill `h-10 px-2.5` with notched-logo chain badge, frosted CTA well with full-width 40px CTA ("Connect Wallet" when disconnected). Popovers: Max slippage (AUTO chip in `text-rare border-rare`), Custom destination wallet / Limited approvals switches. Token picker modal 550×55vh with chain chips and "Connect your wallet to view held tokens". `/swap`: centered 512px single card, H1 "Swap everything", `Buy` tab disabled "Coming soon".

5.5 Rankings (`/collections`, `/tokens`), Activity, Drops, Profile, Rewards, Tools

- **Rankings**: 320px sticky filter column ("Filter By": Collections|Tokens switch; Category chips incl. Agents, Liquidity Positions, Domain Names, Sports Collectibles, Virtual Worlds; Chains with search; Floor Price; Top Offer; Is Verified; Branded Collection Page; Metadata Storage — tokens: FDV buckets, Has

NFT, Branded Token Page), toolbar with **Trending · Top · Watchlist (· New)** solid pills + range ToggleGroup + view toggles, 48px-row table with sticky first column, **NEW** outline chip, sparklines, live flashes, "Next page".

- **Activity:** same chassis; Status chips; Collections checklist; 60px streaming rows.
- **Drops:** H1 "Drops" 24px + calendar icon; **Live & Upcoming | Past;** 1340×400 hero (stat box with MINT PRICE · TOTAL ITEMS · ITEMS MINTED `52 / 64` + gradient progress, or MINT STARTS IN countdown); "You're on the Allowlist" (gated: "Sign in to view"); "Live & Upcoming Mints" 300×200 cards; "Creator Spotlights" 480×205 editorial cards (mono byline "By MEGAN DEMATTEO").
- **Profile:** collapsed 64px header (46px round avatar, 20px name + badge, `JAN 2022` chip, `1 PUBLIC WALLET` ▾, USD VALUE · NFTS · TOKENS, 32px "Expand content") → expanded 347px banner, 80px avatar, 32px name, `JOINED JAN 2018`, bio with "See more"; text tabs **Galleries · Items · Tokens · Portfolio · Listings · Offers · Created · Activity**; 244px cards with "Listed \$25K" / "Top offer \$1,575.20"; empty state "No items found".
- **Rewards/Studio/Profile/Settings (logged out):** lockup + "The best place to discover, own, and trade onchain" + 48px blue Connect Wallet, auto-open Connect modal; footer shows "Paused".
- **Tools (Beta):** 60px display H1, treemap category tiles, `# · TOOL · LINK · CALLERS · CALLS · SOURCE · PRICE` table, price chips `$0.07 USDC`, `NFT GATED`, `ONCHAIN`.
- **Marketing pages (/about-opensea , measured):** the one place the brand uses **weight 600** (`font-semibold` , the Bold file) and **negative tracking:** H1 `text-display-lg 48px/60px, 600, letter-spacing -1.2px ( tracking-tight )` with a `blur-slide-up-scale-in` entrance; H2 `text-display-md 32px/40px 600 -0.8px ( md:text-display-lg )`; H3 `text-heading-xs 18px/27px 600` or `text-base 16px 600` (people names); body 16px and 14px in `text-text-secondary`; `text-balance` on headlines. Sections verbatim: "About OpenSea" · "Leadership Team & Advisors" (Devin Finzer, Chris Maddern, Adam Hollander, Yu-Chi Lyra Kuo, Alex Atallah, Chris Dixon...) · "Remote-first, Builder-centered" · "What We Stand For" · "Our Journey" · "Stay in the loop" (newsletter, "Sign Up") · award badges ("America's Best Startup Employers", "Top Fintech Companies of 2025", "Best Place to Work 2025"). Marketing footer links: Blog · Learn · Help Center · Community Standards · Taxes · Partners · Platform Status · X (Twitter) · Discord · Instagram · Threads · YouTube · Careers · Terms of Service · Contact Support. Ground is the same `bg-bg-app` (careers uses `bg-careers` `#080808`).
- **Light mode (screenshot-verified on the homepage):** `#FAFAFA` ground, white rail/top bar/cards with `#EBEBEB` hairlines, pills white with grey borders, selected pill `#F2F2F2`, text `#171717 / #666`; the hero carousel and its stat box keep a forced `dark` scope (white text over the image gradient); verified badge and primary blue unchanged; footer toggles swap to a light track. Default is dark; light is a user preference (`localStorage.theme`), never the marketing default.

5.6 Overlays

- **Connect modal** ("Connect with OpenSea"): 480px, glowing-logo video, 56px email field "Continue with email" + 32px blue arrow (disabled until valid), "or continue with an external wallet", grouped list **MetaMask · WalletConnect · Phantom · More Wallet Options** (→ Zerion, Trust Wallet, Core, Rabby Wallet, Solflare, Abstract, Glyph, VeeFriends Wallet, Base Account; Back button), legal line. No social logins.
- **Expanded search:** `z-expanded-search` over black/60; 900×(66vh) `rounded-xl border border-border-1`; 80px header with 24px input + spinner; 192px scope rail **All · Collections · Tokens · Items · People** (`rounded-md px-3 py-2`, active `bg-bg-additional-2`); chain chip row; panes cross-fade with `scale-95 opacity-0 blur-sm translate-x-5`; empty state shows `TRENDING COLLECTIONS / TRENDING TOKENS` grids (64px cells); results 61px rows (40px avatar, name + ticker + badge, mono tag chips `COLLECTION · 10K ITEMS`, right-aligned floor/FDV + %), "MORE RESULTS (2)"; ↑ highlight `bg-bg-additional-2`, Esc closes.

06 Responsive behavior (measured at 375×812 and 390px; classes for the rest)

Mobile (<lg = 1025px) — measured at 375×812: - No left rail, no bottom tab bar. Top bar is **68px** (`h-sm-top-nav`), transparent over content: hamburger (24px icon at x=16) · **logo lockup** (mark + wordmark) · search icon (24px) · **"Connect" = primary blue pill 80×32** (`bg-blue-3 rounded-full text-sm font-medium h-8`) — on mobile the header CTA is blue (desktop uses the ghost pill). - **Hamburger** → **full-screen left sheet** (`role=dialog fixed inset-y-0 z-sheet w-full lg:max-w-[460px] bg-bg-app shadow-sm left-0 over bg-overlay`): header = lockup + 40px ring Close button; rows **72px** (`flex items-center gap-3 rounded-xl px-2 py-3`) hover: `bg-bg-additional-1` active: `bg-bg-additional-2`) with a **46px circular icon well** (`border border-border-2 hairline ring`) holding a 24px Material icon and a 16px/500 label. Order (verbatim): Discover · Collections · Tokens · Swap · Drops · Activity · Rewards | Profile · My Offers · Portfolio · Watchlist · Favorites · My Activity · Profile settings · Mobile Allowlist · Customize · Studio | Learn · Help Center · Blog · Careers · Support · Privacy Policy · Terms of Service. - Homepage: category pills and chain pills become two horizontally scrolling rows (`h-8`); **hero is full-bleed 343×400** inside 16px gutters with **no corner radius** (`lg:rounded-lg` only), title drops to `text-display-sm` **24px**, stat box shows 3 stats (FLOOR PRICE · ITEMS · TOTAL VOLUME), pagination bars stretch (`w-full` , 49×6); rail content re-flows under the hero as **NFTs | Tokens** pills + a **"Browse"** secondary pill, then the COLLECTION | FLOOR rows. Page scroll height ~3,371px. - **Mobile footer** (second `<footer class="fixed inset-x-0 bottom-0 h-page-footer bg-bg-app border-t border-border-1">` , 32px): only ≡ price · theme toggle · Crypto|USD (Live/Aggregating/Networks/legal are desktop-only). - Collection page: stats become a **3×2 grid** (labels 12px mono, values 16px mono); tabs scroll horizontally; toolbar = 5 round 32px icon buttons (Filters, search field, density, Customize, Insights); **item grid is single-column 335px cards (431px tall)**; **Filters open as a bottom sheet** (`fixed inset-x-0 bottom-0 z-sheet rounded-t-xl border border-border-1 bg-bg-app max-h-screen` , 684px tall: sort row, Status chips, Rarity, Price, Marketplaces, Traits accordions, footer **"Clear all" | "Done"**); the sweep/action bar becomes a **110px bottom sheet** (`rounded-t-xl border border-border-1 bg-bg-app z-fixed-bottom-sheet`) with stepper · "Max per item" + USD input · **Buy Floor** (primary) · **Make Collection Offer** (secondary) at 40px. - Item page (390px): single column, 358px media, **130px bottom sheet** with "Buy for" + 20px price + two 32px buttons; content gets `pb-40` . - Search: full-screen panel (`size-full` , borderless); stats rail and sticky swap column are removed (`fresnel greaterThanOrEqual-lg`); section gaps shrink 48→24px (`gap-6 md:gap-12`); sections bleed `-mx-4` for edge-to-edge carousels; stat-display labels `self-start` , values `text-xs` . - `xl` (1280): pill icons appear (`hidden xl:block`), hero fixed 400px tall, "Last sale" label 12px/11px. - `2xl` (1440)+: more stat columns unhide (`2xl:flex` , `3xl:flex`), item page media spans 6/12, grid `minmax(218px)` , token details 4-up carousel; max content 1920+48. - Safe area via `--ios-inset-bottom` ; touch targets ≥32px (most 36–48); `touch-pan-x/y` on charts.

07 Accessibility conventions observed

`aria-label` on every icon SVG and icon button; `role=switch/radio/group/table/row/columnheader/progressbar/tooltip/dialog` used consistently; `aria-current="page"` on active nav/tabs; visually-hidden `<h1>` on list pages; `aria-live="polite"` toast region; `aria-valuenow` on bars; `sr-only` "Active" text beside status dots; keyboard shortcuts documented in-product; `prefers-reduced-motion` respected. Weak spots to improve in a new product: suppressed focus rings (`focus-visible:outline-hidden`) and white-on-■ #ACADAE secondary text at 12px.

08 Do / Don't (derived)

Do: pill every control; mono every number; 12px uppercase mono labels at 60% opacity above values; alpha-white layers over imagery with `backdrop-blur-2xl`; 1px inset white-8% ring on every image; blue only for the one primary action per view; 48px table rows; green/red only for direction; 200ms hover lift; 300ms quint panels; `Buy Now` / `Make Offer` / `Connect Wallet` exact casing. **Don't:** drop shadows for elevation; pure black `#000` grounds (except overlay scrims); gradients as brand decoration (only image fades and the blue progress fill); underlined links; Title Case sentences; exclamation marks; emoji; 700-weight type; letter-spacing; colored icons (icons are `currentColor`); multiple blue buttons side by side (pair primary with a bordered secondary).

09 Starter theme (Tailwind v4 CSS, drop-in)

```
@import "tailwindcss";

@theme {
  --font-family-sans: "gtAmerica","gtAmerica Fallback",ui-sans-serif,system-ui,sans-serif;
  --font-family-mono: "gtAmericaMono","gtAmericaMono Fallback",ui-monospace,SFMono-Regular,Menlo,monospace;
  --text-2xs: 10px; --text-xs: 12px; --text-sm: 14px; --text-md: 16px;
  --text-heading-xs: 18px; --text-heading-sm: 20px; --text-heading-md: 24px; --text-heading-lg: 32px;
  --text-display-sm: 24px; --text-display-md: 32px; --text-display-lg: 48px; --text-display-xl: 60px;
  --radius-xs: 2px; --radius-sm: 4px; --radius-md: 6px; --radius-lg: 8px; --radius-xl: 12px; --radius-2xl: 16px; --radius-3xl: 24px;
  --breakpoint-sm: 393px; --breakpoint-md: 768px; --breakpoint-lg: 1025px; --breakpoint-xl: 1280px;
  --breakpoint-2xl: 1440px; --breakpoint-3xl: 1728px; --breakpoint-4xl: 1920px; --breakpoint-5xl: 2560px;
  --spacing-side-nav: 52px; --spacing-lg-top-nav: 64px; --spacing-sm-top-nav: 68px; --spacing-hero-header-compact: 70px;
  --spacing-tab-menu: 32px; --spacing-filter-toolbar: 40px; --spacing-bottom-action-bar: 48px; --spacing-page-footer: 32px;
  --ease-out-quint: cubic-bezier(.22,1,.36,1); --ease-out-circ: cubic-bezier(0,.55,.45,1);
  --ease-out-expo: cubic-bezier(.16,1,.3,1); --ease-out-cubic: cubic-bezier(.33,1,.68,1);
  --blur-sm: 8px; --blur-md: 12px; --blur-lg: 16px; --blur-xl: 24px; --blur-2xl: 40px; --blur-3xl: 64px;
  --color-*: initial;
}

:root, .dark {
  --color-white: 255 255 255; --color-black: 0 0 0;
  --color-text-primary: 255 255 255; --color-text-secondary: 172 173 174; --color-text-tertiary: 67 68 71;
  --color-bg-app: 16 16 17; --color-bg-primary: 20 20 21; --color-bg-secondary: 23 24 26;
  --color-bg-additional-1: 27 29 31; --color-bg-additional-2: 38 39 45; --color-bg-additional-3: 60 61 64;
  --color-bg-contrast-1: 137 138 140; --color-bg-contrast-2: 149 149 151;
  --color-border-1: 38 39 45; --color-border-2: 52 53 60; --color-border-3: 67 68 71;
  --color-bg-primary-transparent: rgb(var(--color-white)/2%); --color-bg-secondary-transparent: rgb(var(--color-white)/4%);
  --color-bg-additional-1-transparent: rgb(var(--color-white)/8%); --color-bg-additional-2-transparent: rgb(var(--color-white)/12%);
  --color-bg-additional-3-transparent: rgb(var(--color-white)/16%);
  --color-border-1-transparent: rgb(var(--color-white)/8%); --color-border-2-transparent: rgb(var(--color-white)/12%);
  --color-border-3-transparent: rgb(var(--color-white)/16%); --color-border-special-inset-1: rgb(var(--color-white)/8%);
  --color-frosted-1: rgb(var(--color-white)/4%); --color-frosted-2: rgb(var(--color-white)/8%); --color-frosted-3: rgb(var(--color-white)/12%);
  --color-frosted-4: rgb(var(--color-white)/16%); --color-frosted-5: rgb(var(--color-white)/24%); --color-frosted-6: rgb(var(--color-white)/32%);
  --color-frosted-7: rgb(var(--color-white)/50%);
  --color-overlay: rgb(var(--color-black)/60%);
  --color-blue-1: 131 195 255; --color-blue-2: 32 146 255; --color-blue-3: 7 134 255; --color-blue-4: 6 121 230; --color-blue-5: 5 94 179;
  --color-link: var(--color-blue-1); --color-link-hover: var(--color-blue-3);
  --color-pink-1: 255 0 170; --color-pink-2: 230 0 153; --color-purple-1: 92 0 210; --color-purple-2: 123 0 255;
  --color-success-1: 71 187 100; --color-success-2: 15 190 57; --color-success-3: 8 157 46;
  --color-warning: 255 204 0; --color-caution: 244 113 0;
  --color-error-1: 226 71 86; --color-error-2: 222 43 61; --color-error-3: 194 30 47;
  --color-legendary: 255 138 0; --color-epic: 211 88 255; --color-rare: 0 163 255; --color-common: 137 138 140;
  --z-sidebar: 110; --z-fixed-bottom-sheet: 210; --z-overlay: 510; --z-sheet: 610; --z-modal: 710; --z-tooltip: 810; --z-toast: 910; --z-top: 1010;
}

.light {
  --color-text-primary: 23 23 23; --color-text-secondary: 102 102 102; --color-text-tertiary: 201 201 201;
  --color-bg-app: 250 250 250; --color-bg-primary: 255 255 255; --color-bg-secondary: 250 250 250;
  --color-bg-additional-1: 242 242 242; --color-bg-additional-2: 235 235 235; --color-bg-additional-3: 230 230 230;
  --color-bg-contrast-1: 143 143 143; --color-bg-contrast-2: 128 128 128;
  --color-border-1: 235 235 235; --color-border-2: 220 220 220; --color-border-3: 201 201 201;
  --color-bg-primary-transparent: rgb(var(--color-bg-primary)); --color-bg-additional-1-transparent: rgb(var(--color-bg-additional-1));
  --color-border-1-transparent: rgb(var(--color-border-1)); --color-border-2-transparent: rgb(var(--color-border-2)); --color-border-3-transparent: rgb(var(--color-border-3));
  --color-border-special-inset-1: rgb(var(--color-black)/8%); --color-overlay: rgb(var(--color-black)/40%);
  --color-link: var(--color-blue-3); --color-link-hover: var(--color-blue-5);
  --color-success-1: 40 169 72; --color-error-1: 234 57 67; --color-warning: 230 184 0;
  --color-epic: 163 53 238; --color-rare: 0 102 255; --color-common: 143 143 143;
}
```

```
}  
@utility inset-shadow-border { box-shadow: inset 0 0 0 1px var(--color-border-special-inset-1); }
```

Color utilities should be generated as `rgb(var(--color-x))` (Tailwind v4: declare `--color-bg-primary: rgb(var(--color-bg-primary-rgb))` -style aliases, or use a plugin) so `bg-bg-primary/80` keeps working via `color-mix`.

Component primitives to build first (in this order): Button (primary/secondary/ghost; h-12/10/8; icon), Pill/Switch (frosted + solid), TextTabs (2px underline), ToggleGroup (sliding thumb), Chip (mono 18px: default/outline-success/frosted/rarity), Input wrapper, Card (inset ring + hover lift), StatDisplay, Avatar (+chain badge), Menu/Tooltip surface, Modal, Table (header/row/skeleton/live), Sparkline, ProgressBar, Footer status bar, Rail.

10 Applying this to a rewards / badge / multiplier product (guidance)

- **Vocabulary** (official, from support.opensea.io "How does OpenSea's rewards program work?"): the surface is **Rewards** (rail item + "Rewards section"); **XP** is the progress unit; **Voyages** are "guided journeys" of on-chain actions with **five rarity levels** — **Common, Uncommon, Rare, Epic, Legendary**; progress fills a **Treasure Chest** with **12 levels from Wood to Solar, three tiers each** (Iron or higher was required to claim Voyages from Dec 2025); **Shipments** are random drops "distributed based on activity and holdings" (the app's `unopened-shipment-border-animation` keyframe is their unopened state); **Treasures** are "achievement tokens reflecting your progress... earned at the end of each wave based on your chest level"; **Waves** are the seasons (chest progress reset per wave, Treasures persisted); the **Rewards Pool** was "funded by 50% of our platform fees from NFT purchases and token swaps"; the **OpenSea Foundation** oversees the **\$SEA** token (TGE delayed; Treasures "expected to play a meaningful role at TGE"). **Status: Wave 6 was the last wave; it ended March 30, 2026, replaced by 0% fees for 60 days.** A new badge/multiplier product should reuse this vocabulary (chest level names, rarity ladder, waves) rather than invent parallel terms — and should not assume the Voyages UI is still live.
- **Rarity ladder mismatch to resolve:** the UI token set has four tiers (common/rare/epic/legendary); Voyages used five (adds Uncommon). If you need five, derive Uncommon from `success-1` or `bg-contrast-2` `INFERRED` — do not introduce a new hue.
- **Tier colors** already exist: reuse `legendary / epic / rare / common` for badge tiers (text on 30% tint, no border; rank numbers tinted).
- **Progress:** `h-2 rounded bg-frosted-4 track + from-blue-1 to-blue-3` gradient fill; countdowns via mono `HH:MM:SS` `NumberFlow`; "MINT STARTS IN"-style 12px mono eyebrow labels.
- **Multipliers / scores:** present as mono values in a `StatDisplay` (`MULTIPLIER 1.5×`, `HOLDINGS $91.9K`), with the pulsing `success-1-transparent-1` pill for status words ("Strong") and a `role=progressbar` confidence bar — this is exactly the token page's "Social Engagement Score" card pattern (`rounded-lg border border-border-1 bg-component-gray-1`, score `24px + 12px secondary "/ 100"`, 2x/4-col grid of `text-2xs opacity-60` mono labels).
- **Holder tables:** copy the Holders tab — `WALLET · % HELD · VALUE · QUANTITY HELD · LAST RECEIVED`, 48px rows, identicons, inline `success-1-transparent-2` bars with the value inside.
- **Gating:** logged-out = lockup + tagline + 48px blue Connect Wallet, auto-open Connect modal, footer "Paused".
- **Badge art:** square `rounded` for collection-like objects, `rounded-full` for account/token-like objects; always the 1px inset ring; holographic/rare treatments can use the existing `shine` and `holo-ring-spin` keyframes.

11 Verbatim copy bank

Nav: Discover · Collections · Tokens · Swap · Drops · Activity · Rewards · Tools · Studio · Profile · Resources · Settings · Support · Learn · Help Center · Blog · Careers · About · Tax Resources · Discord · Dev Docs · What's New · Linked Wallets · Notifications · Customize · Developer · Verification · Shortcuts · Mobile Allowlist. Actions: Connect Wallet · Buy Now · Make Offer · Make Collection Offer · Buy Floor · Buy 1 Now · Make 1 Offer · Clear · Apply · Add to Watchlist · View on Etherscan · Report Collection · View Original Media · Refresh Metadata · See more · Sign in to view · Go to Discover · Register a tool · Saved Tools · Accept All · Reject All · Manage · Back · Close. Labels: Floor price · Items · Total volume · Listed · Top offer · 24h volume · 1D floor % · Owners (unique) · Best Offer · Last Sale · Collection Floor · Rarity · Buy for · Pay with · Sell · Receive · Max slippage · Custom destination wallet · Limited approvals · Max Price Per Item · Show marketplace · Show rarity · Insights · Filter By · Status · Price · Marketplaces · Traits · Chains · Category · Wallets · Collections · FDV · Holders. Section heads: Trending Tokens / Tokens with momentum today · Featured Collections / This week's curated collections · Featured Drops / This week's curated live and upcoming drops · Trending Collections / Collections with momentum today · Top Movers Today / Largest floor price change in the past day · Highest Weekly Sales · Featured Tokens / This week's curated tokens · NFT 101 / Learn about NFTs, Web3, and more. · You're on the Allowlist / You own NFTs that grant you access to these upcoming curated mints. · Live & Upcoming Mints / Curated list of mints happening now and coming soon. · Creator Spotlights · Frequently Asked Questions (FAQ) · Social Engagement Score · Browse by category · Top tools this week · New to agent tools? States: Live · Paused · Aggregating · Networks · Active · MINTING NOW · NEW · Beta · Coming soon · Ending in 7 days · No items found · Discover new collections on OpenSea · No collections found · We've been searching the blockchain. · Something went wrong · An error occurred. Try refreshing the page. · Connect your wallet to view held tokens · The best place to discover, own, and trade onchain. Verified tooltip: "This collection belongs to a verified account and has significant interest or sales. To learn about our badging policy, visit our Help Center."

12 Measurement quick-reference (1280×720 dark)

rail 52 | top bar 64 (68 <lg) | content gutter 24 (x=76) | footer 32 | action bar 48 (bottom 32)
pills 32 (h-8 px-3) · chips 28 (h-7) · mini 24 (h-6) · tag 18 · key cap 18
buttons 48 / 40 / 32 · icon buttons 40 / 36 / 34 / 32 / 20
table rows 48 (60 activity, 32 narrow/Pro, 24 mini) · header 40 · menu item 33 · search result 61 · wallet row 57
cards: 300×82 row · 300×200 image (3:2) · 204×300 item (1:1 + 96) · 233×111 trait · 480×205 editorial
hero 787×400 r8 · collection banner aspect 8/3 ≤450 · token chart 450 · item media 533 r4
avatars 24 / 32 / 40 / 46 / 60 / 64 / 80 / 96 · badge 14 / 16 / 24 · icons 16 / 18 / 20 / 24
modal 480 / 550 r12 · search panel 900×66vh r12 · tooltip r6 p8 · menu r8 p4 · popover 275 r8

13 Files from this research

Raw per-surface reports (with full class strings and more verbatim copy, ~30k words) are in `opensea-research-reports/` next to this file: `00-tokens-measured.md`, `home-shell.md`, `collection-page.md`, `item-page.md`, `token-trading.md`, `components-overlays.md`, `secondary-pages.md`.

14 Remaining gaps

- Tablet (768–1024px) layout was not measured (mobile 375/390 and desktop 1280/1440 were).
- Logged-in surfaces: the Rewards/Voyages/Treasure-Chest UI itself (program ended Mar 30, 2026; only the help-center description is captured), Studio, Portfolio, notifications, cart/checkout, listing/offer flows, toasts in action.
- Exact date of the Inter → GT America typeface change and any designer/agency credits for OS2 — no public source found.
- `/careers`, `/learn`, blog and `support.opensea.io` typography in situ; candlestick colors inside the TradingView iframe; exact expanded-rail width.

15 Sources consulted

- Live DOM/CSSOM of opensea.io (home, /collection/pudgypenguins, item pages, /token/..., /swap, /tokens, /collections, /activity, /drops, /rewards, /tools, profiles, /about-opensea) — 2026-08-21.
- docs.opensea.io/docs/logos (official logo files + legacy palette).
- opensea.io/tos (IP & trademark terms, last updated 2025-09-14).
- opensea.io/blog — "OpenSea Announces OS2 Is Now Out of Beta..." (2025-05-29).
- support.opensea.io — "How does OpenSea's rewards program work?" (chest levels, Voyages, Treasures, Wave 6 end date).
- Press coverage of the OS2 beta (Jan 26, 2025) and launch/\$SEA announcement (Feb 13, 2025): CoinMarketCap Academy, PR Newswire, NFT News Today.
- Grilli Type / Typewolf for GT America facts (Noël Leu, 2016, five widths, mono cut).