

Mercatus Canvas — Omni Creative Atelier

Architecture skeleton · 2026-10-02

Executive framing

Mercatus Canvas (renamed from Extrafazant Studio) is the Mens Mercatus local creative atelier. Three pillars share one shell: Showcase Atelier (Extrafazant.nl heritage in-app portal), Doop Design Canvas, and FrameSketch Video Lab. Stack is Node static server.js + index.html + styles.css + monolithic app.js (~3413 lines) on port 3456. Asset bridge deep-links to Mens Mercatus Hub :8088. Sovereign engines (saliency / cloth / voice) are DEMO-grade canvas overlays / SpeechRecognition — not production ML. Honest status: local atelier only; not deployed to production hosting. Refactoring roadmap targets splitting the monolith into showcase, doop, framesketch, bridge, agi-demo, and shell modules.

System thesis

Treat Mercatus Canvas as a multimodal creative control plane: artboard vectors, 60fps timeline motion, and an in-memory LocalStorage asset bridge between pillars. Hub :8088 is the designed syndication sidecar. AGI buttons are staged portfolio demos. Primary engineering debt is the monolith — roadmap is modular extraction without changing the local :3456 runtime contract.

SHOWCASE · ATELIER Extrafazant.nl heritage portal Desktop / tablet / mobile viewports Catalog filter + editorial drops Send to Canvas / Animate Device emulation chrome Heritage name ≠ product name	DOOP · CANVAS Vector/raster artboard presets Multi-layer stack AI style transfer = demo UX Export PNG → Video Lab Luxury palette synthesizer UI Bridge shelf bidirectional	FRAMESKETCH · LAB 60 FPS canvas motion player Multi-track timeline Storyboard 8-frame strip Grain / VHS / parallax FX Audio waveform viz (UI) Saliency/cloth/voice DEMO
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Non-goals (explicit)

- Not production saliency/CV, cloth simulation fidelity, or ASR voice operators — DEMO-grade UI only.
- Not a claim of production cloud hosting — studio runs locally on :3456.
- Not a finished microservices rewrite — monolith split is roadmap, not shipped.
- Not a claim that Hub :8088 asset syndication is proven live across all hosts.

Schematic A — Control loop

showcase → canvas → timeline → bridge → hub :8088



Single/split workspace · asset bridge shelf · AGI toggles are demo overlays · local-only deploy

ML / systems vocabulary (as designed)

Mercatus Canvas	Product name for the omni creative atelier (ex-Extrafazant Studio rename).
Showcase Atelier	Extrafazant.nl heritage in-app showcase pillar — heritage brand, not product title.
Asset bridge	In-memory + LocalStorage buffer for cross-pillar keyframes and drops → Hub :8088 intent.
Demo AGI surface	Saliency/cloth/voice toggles visualize intent — canvas overlays / SpeechRecognition, not ML SLOs.
Monolith debt	app.js ~3413 lines; roadmap modules: showcase, doop, framesketch, bridge, agi-demo, shell.
Local atelier	Port 3456 Node static server — not production-hosted; portfolio symlink only.

Schematic B — Runtime topology

app.js monolith · server.js static :3456 · Hub bridge :8088 · not production-deployed

STUDIO CLIENT

index.html + styles.css
app.js ~3413-line monolith
Nav: Showcase / Doop / FrameSketch
Split workspace mode
Heritage: Extrafazant.nl origin
Portfolio apps/mercatus-canvas

STATIC SERVER

server.js zero-dep Node
Port 3456 local default
Serves studio root files
No auth / no DB
Status: LOCAL ONLY
NOT production-hosted

HUB + ROADMAP

Mens Mercatus Hub :8088
Asset bridge deep-link intent
Refactor → 6 modules
showcase · doop · framesketch
bridge · agi-demo · shell
Baking modularity

Demo-grade AGI + honest deploy status

Buttons labeled biometric gaze/saliency, cloth physics, and voice assistant drive canvas overlays and SpeechRecognition flags in app.js — DEMO-grade, never production CV/ML SLOs. Likewise: Mercatus Canvas is a local creative atelier on :3456. Do not claim production hosting or CDN ship.

STUDIO SESSION CADENCE (DESIGNED)

Open :3456 → Showcase Atelier filter → Send to Doop → Style demo → Send to FrameSketch → bridge shelf
Optional Hub :8088 launch for asset syndication intent (sidecar, not required for atelier MVP)
Refactor track: extract modules from app.js behind stable shell; keep LocalStorage bridge contract

Eval plan · risks · portfolio note

[How to read this artifact](#)

Evaluation axes (when live / under demo)

- Module switch integrity — Showcase/Doop/FrameSketch state survives segmented nav.
- Bridge fidelity — PNG/keyframe handed to timeline / Hub intent without silent drop.
- Demo labeling — AGI overlays never presented as measured model metrics.
- Frame budget — timeline scrub remains usable on laptop GPUs.
- Rename honesty — portfolio cards say Mercatus Canvas; Extrafazant.nl remains heritage only.
- Deploy honesty — docs and briefs never claim production hosting.

Primary risks

- Monolith size raises regression risk until modular split lands.
- Overclaiming saliency/cloth/voice as production AI.
- Hub port assumptions break on hosts without :8088.
- Residual Extrafazant Studio product naming on cards would confuse rename.

PORTFOLIO READING GUIDE

Skeleton for Mercatus Canvas: three pillars + Hub :8088 bridge + demo AGI UI + monolith refactor roadmap.

Pair with mercatus-canvas/docs/ and documentation/mercatus_canvas_omni_studio_architecture.md. Heritage: Extra

Local atelier on :3456 — not production-deployed. We're baking modularity.