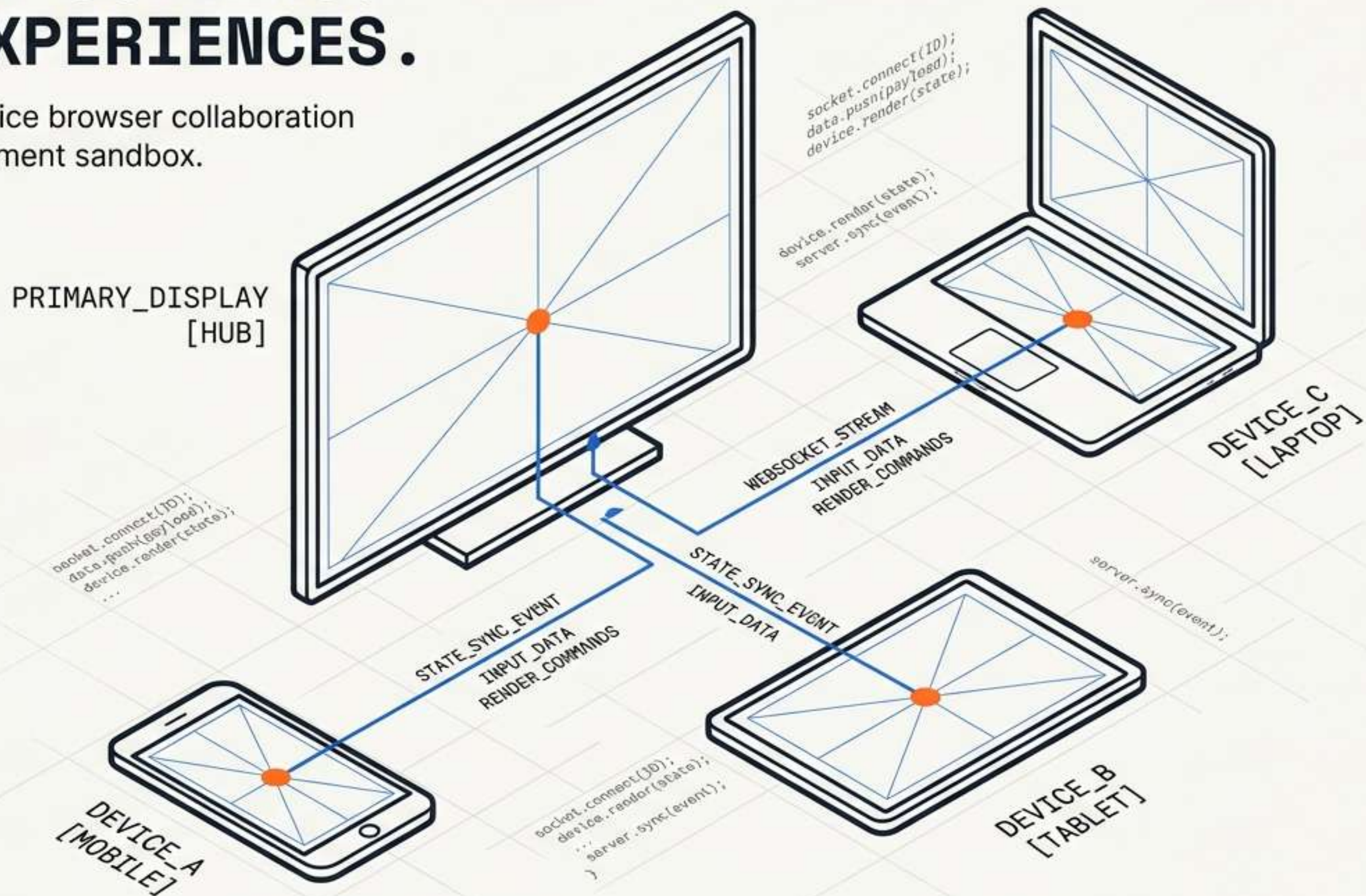


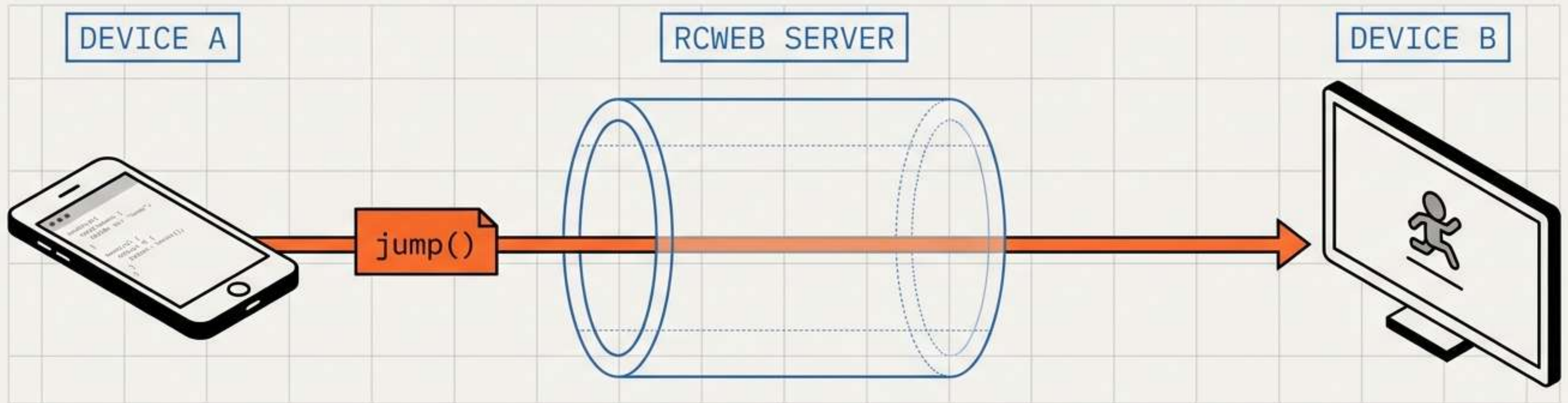
CONNECTED SCREENS. SHARED EXPERIENCES.

The stateless, multi-device browser collaboration platform and AI development sandbox.



THE MAGIC OF SHARED JAVASCRIPT

RCWeb remotely controls web browsers by sending JavaScript over WebSockets in real-time. Every browser acts as both server and client.



**NO SERVER-SIDE PROCESSING. NO DATABASE STORAGE.
PURE, PEER-TO-PEER JAVASCRIPT EXECUTION INSIDE VIRTUAL ROOMS.**

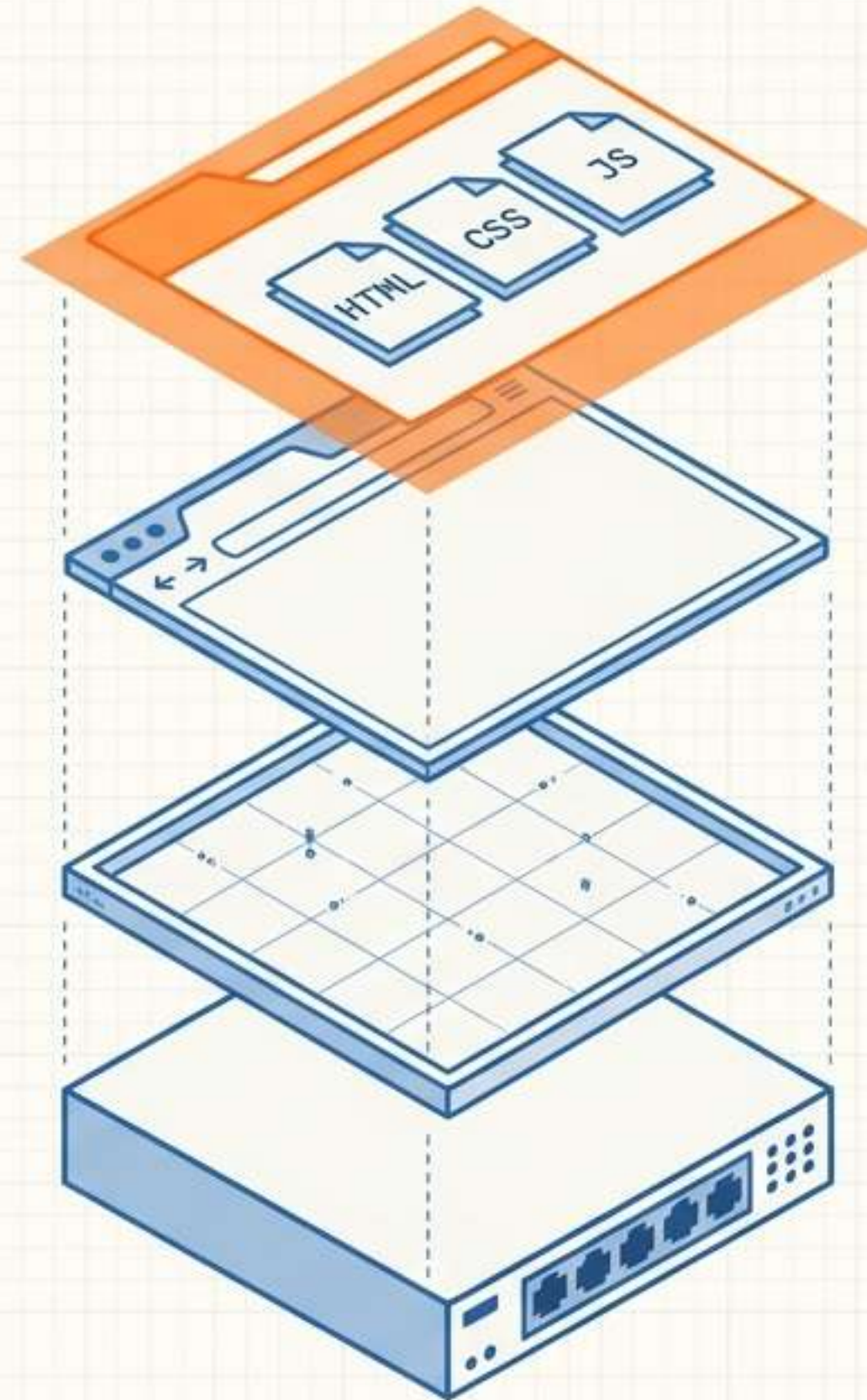
A LIGHTWEIGHT ARCHITECTURAL SHIFT

RCWeb maintains thousands of concurrent connections using lightweight Java virtual threads, acting purely as a raw byte proxy.

FEATURE	TRADITIONAL BACKEND	RCWeb EDGE
STATE	Server-side	Client-side 
CPU & MEMORY USAGE	High	Low 
RESPONSIVENESS	Delayed	Instant 
DATABASE & BACKUP	Required	No data stored 
PRIVACY	Compromised	No data stored 

THE FOUR STABLE LAYERS

The server-side API remains stable indefinitely. Innovation happens purely in the browser.



Layer 1: App Capsule
Defines interface and behavior. No build system.

Layer 2: Browser
Owns the experience, validates events, updates local DOM.

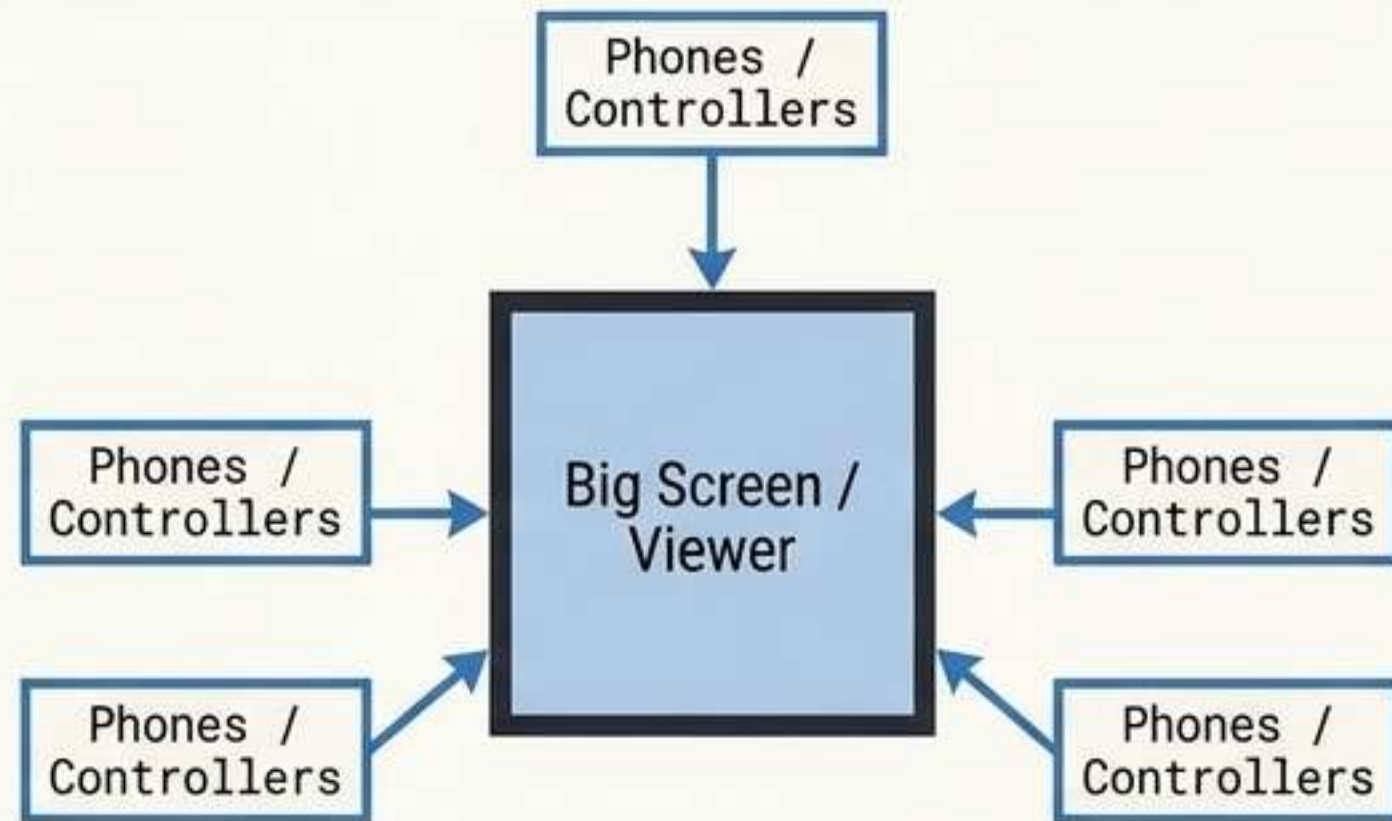
Layer 3: Room
Lightweight collaboration scope isolating live traffic.

Layer 4: Broker
Java host routing
WebSockets by app name and client ID. Zero code execution.

FLUID INTERACTION PATTERNS

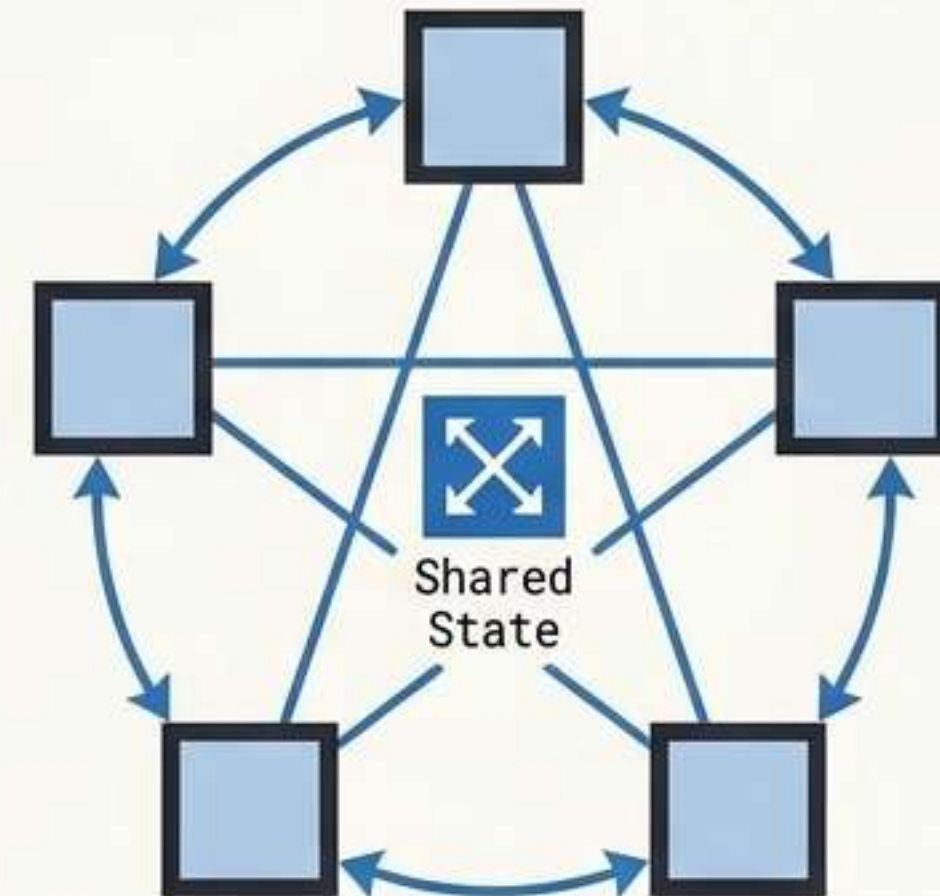
Mixed roles allow rooms to contain producers, moderators, players, and AI-assisted workers simultaneously.

Asymmetric Pattern



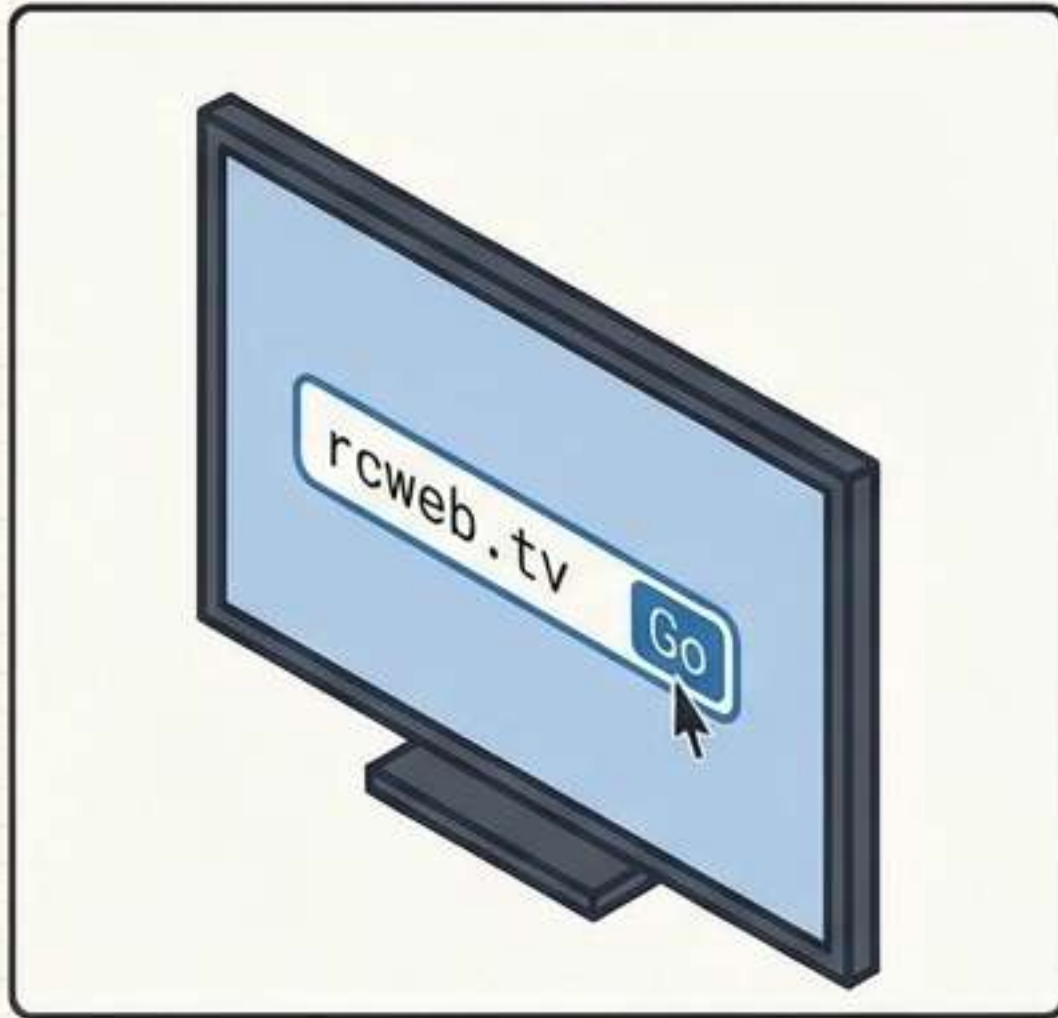
Remote Control. Example: Digital Signage, Spacewar.

Symmetric Pattern



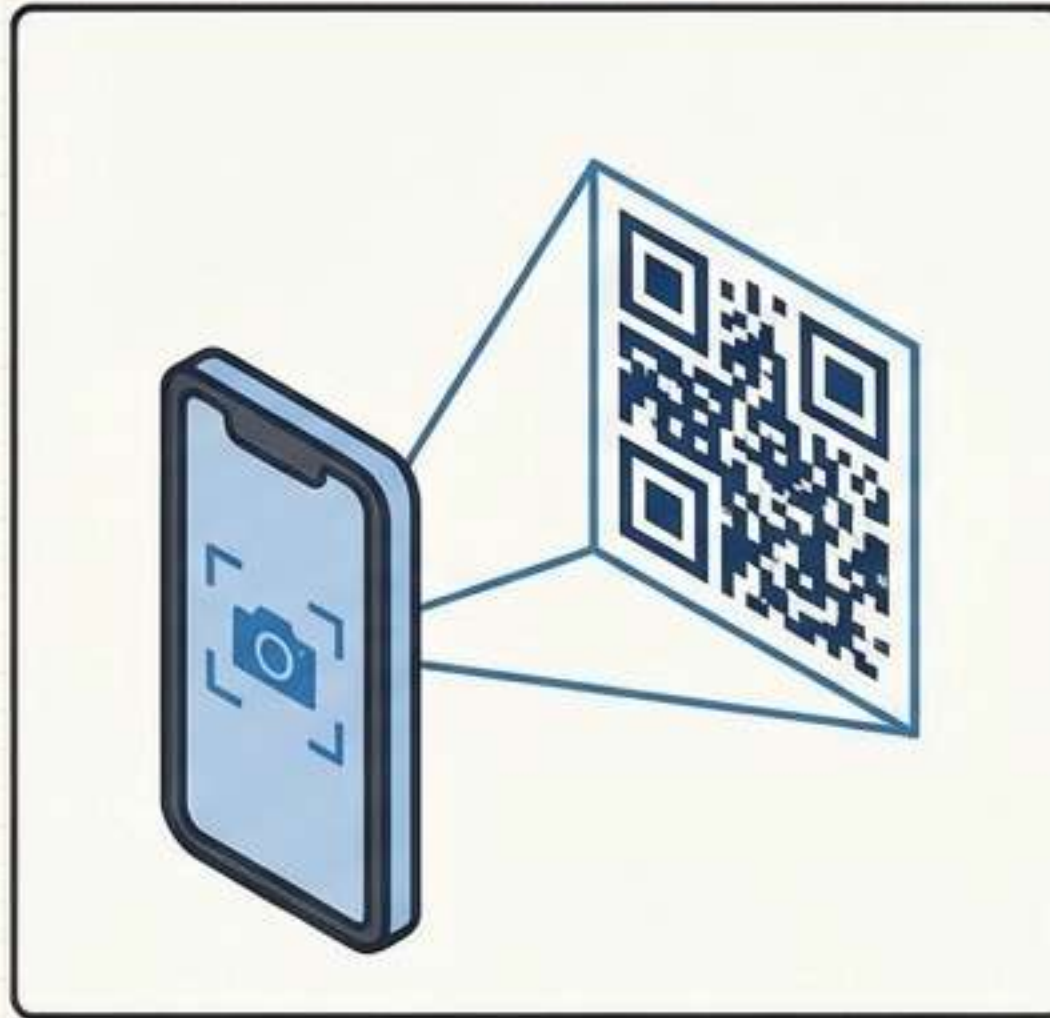
Peer Collaboration. Example: Chat, Whiteboards.

THREE STEPS TO INSTANT CONNECTION



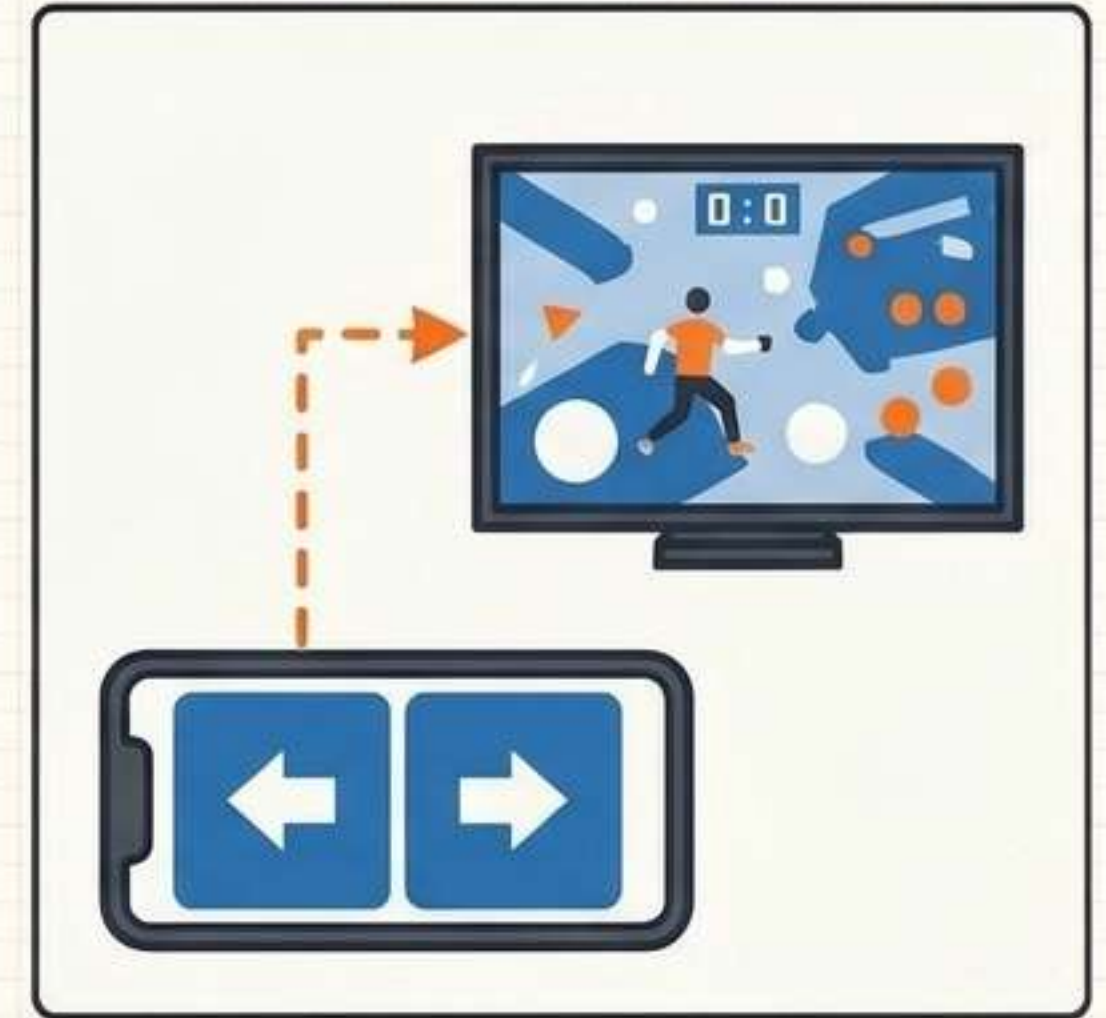
1. The Big Screen

Open the canvas to initiate a virtual room.



2. The Handshake

Scan the code to join the room instantly.



3. The Interaction

Choose an app. The phone becomes the controller.

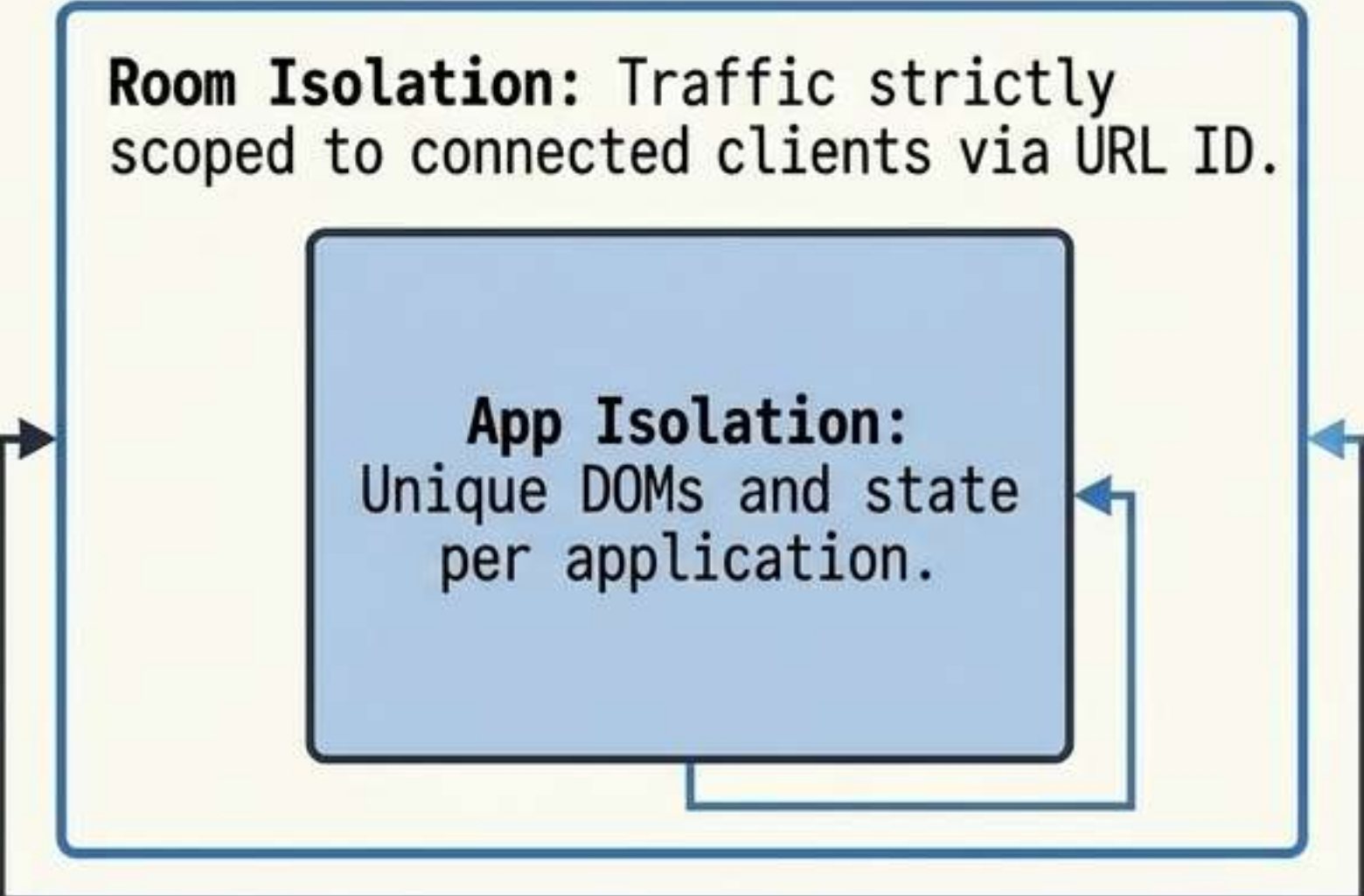
HONEST TRUST BOUNDARIES BY DESIGN

Architectural containment strategies for robust security and failure isolation.

Process Isolation: App JavaScript executes strictly in browsers, never inside the Java host.

Room Isolation: Traffic strictly scoped to connected clients via URL ID.

App Isolation:
Unique DOMs and state per application.



FAILURE CONTAINMENT

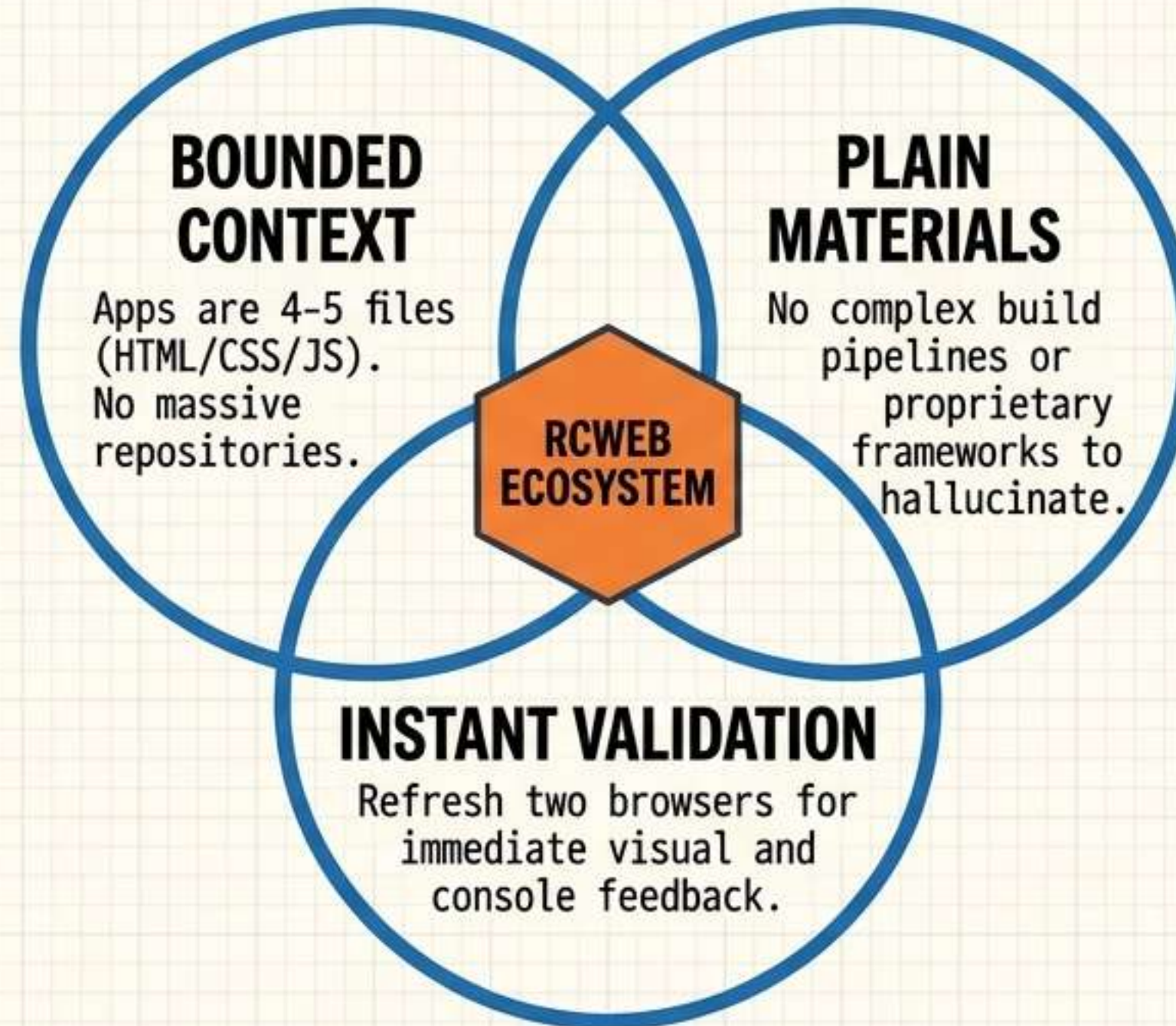
Schema and logic failures stay at the edge.



The server does not parse domain objects or maintain game state.

Errors are trapped locally without bringing down the room.

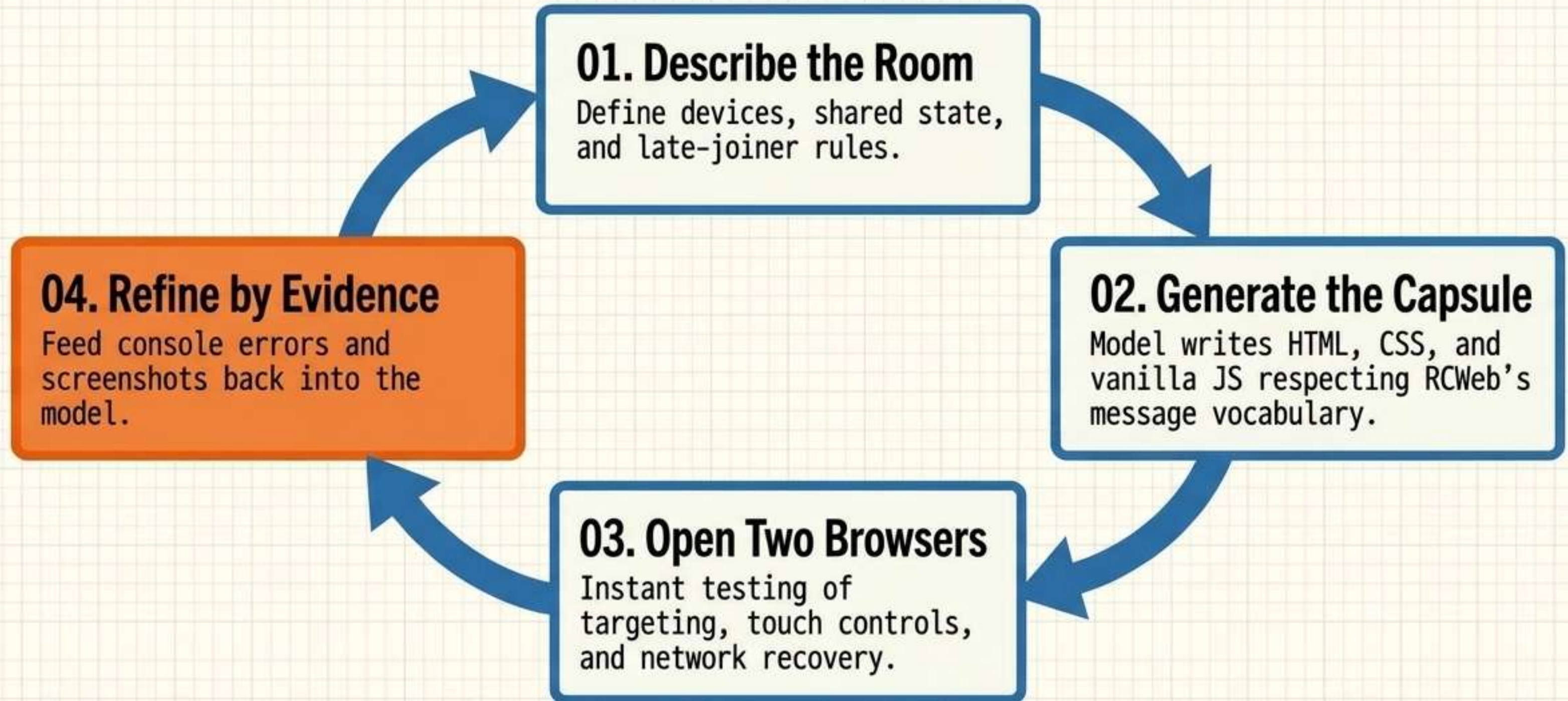
THE PERFECT SANDBOX FOR AI MODELS



Small enough to fit in context. Powerful enough to fill a room.

THE DEVELOPMENT LOOP: FROM PROMPT TO PLAYABLE

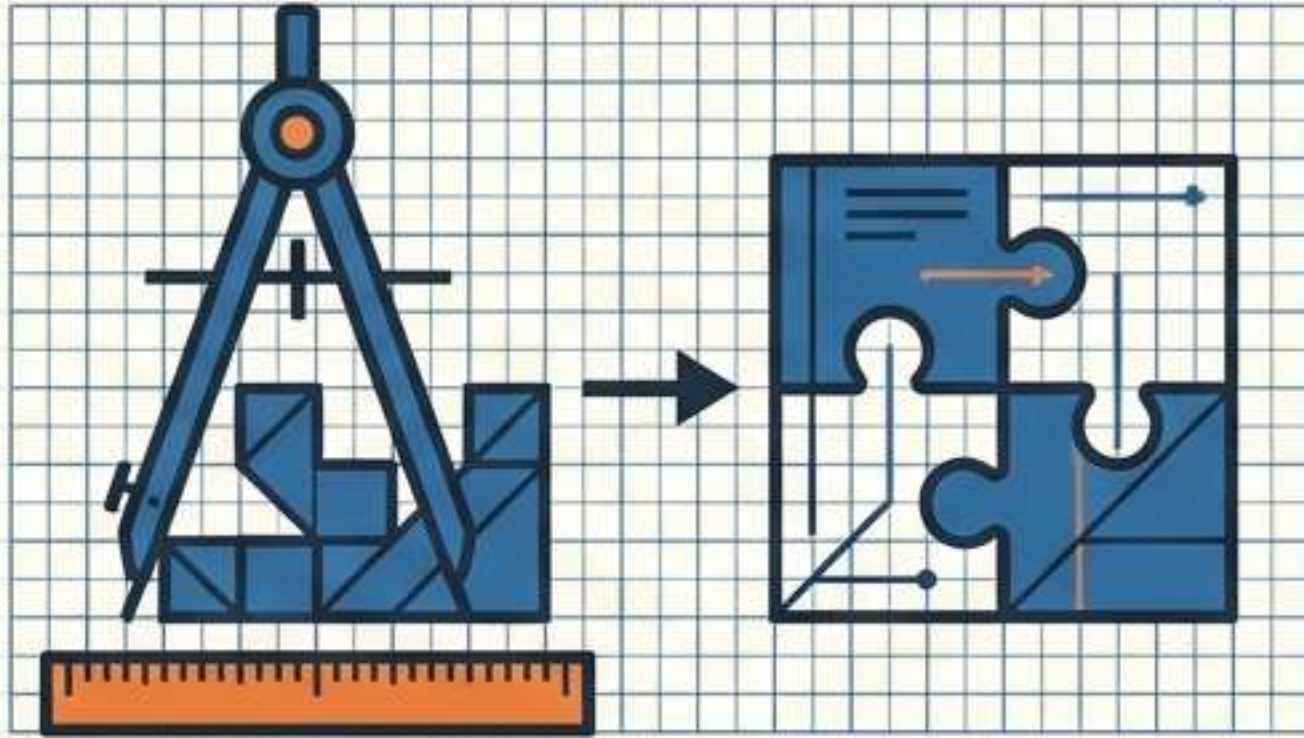
Driven by over 1.5 billion development tokens across multiple AI generations.



AI-GENERATED VS. AI-POWERED

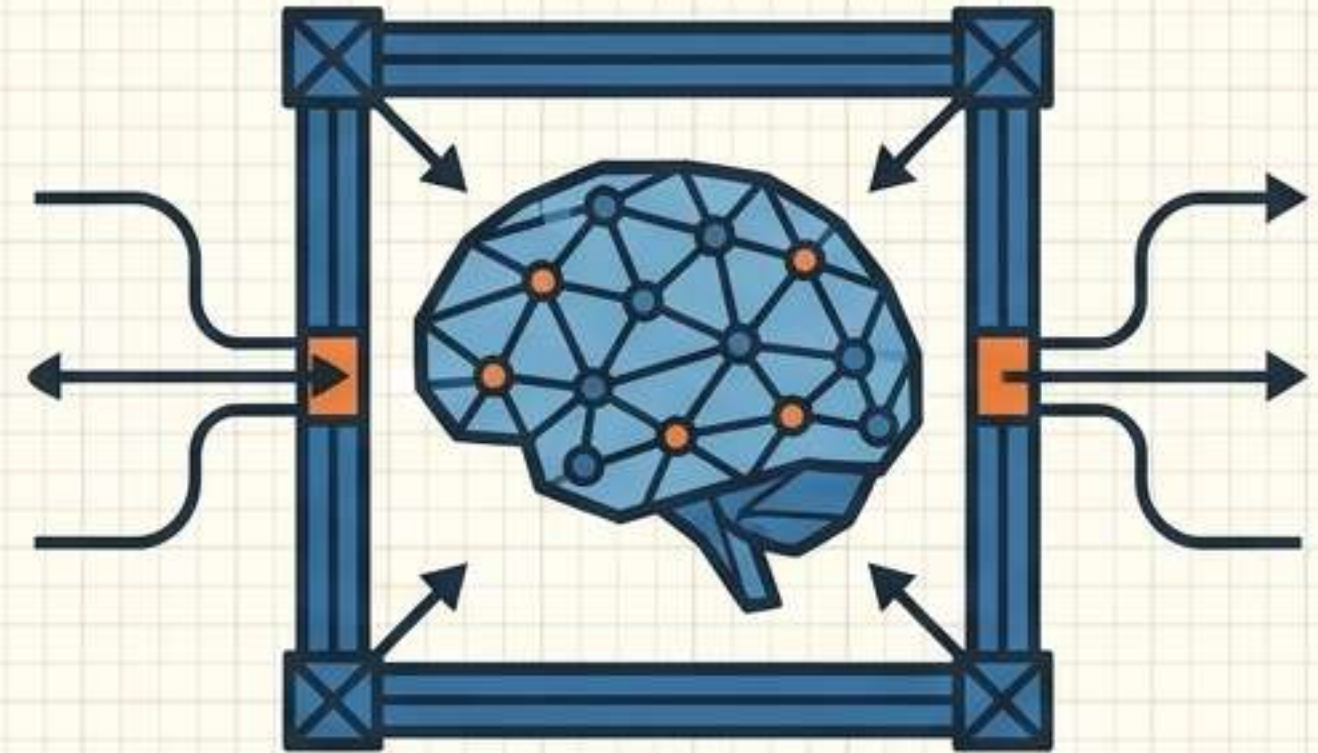
RCWeb captures the productivity of AI generation without forcing every interaction through probabilistic inference.

AI-Generated



The model builds the app, but the finished experience runs purely as deterministic browser code. Zero inference cost, zero latency drag. Applies to most of the RCWeb catalogue.

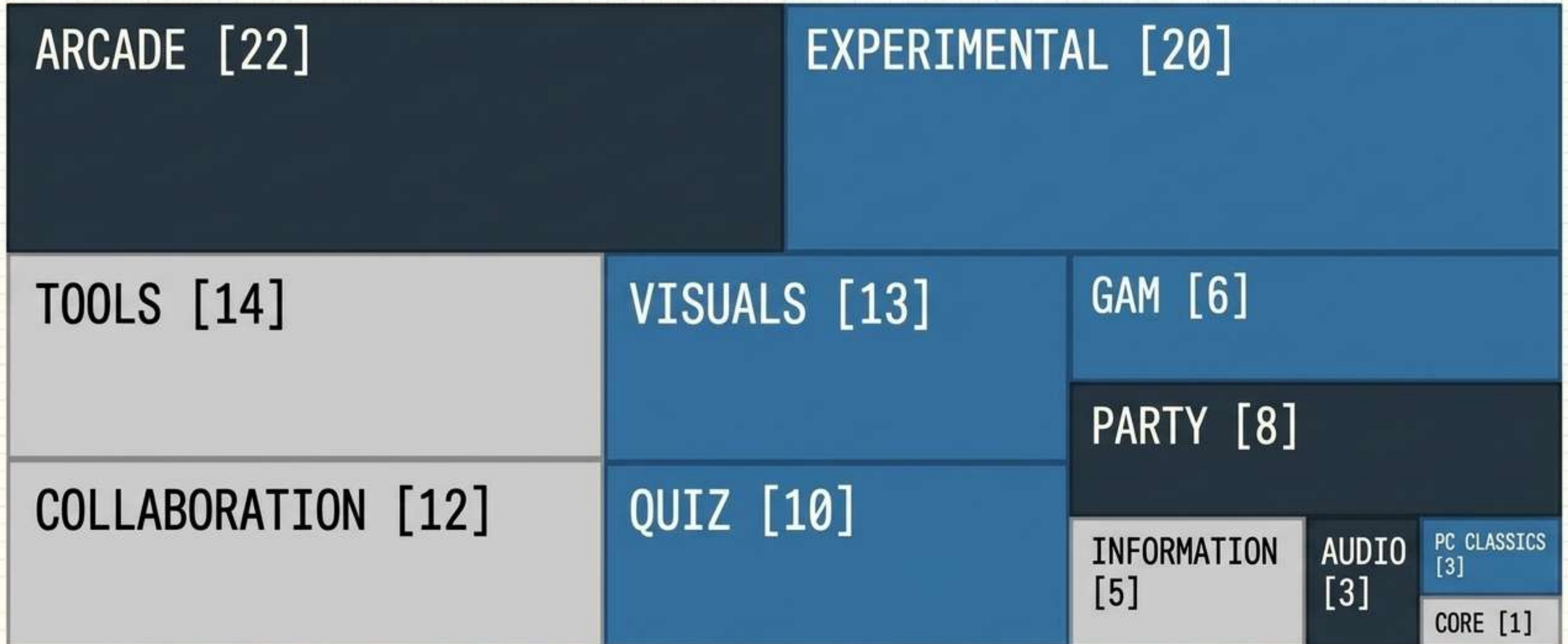
AI-Powered



A specific boundary where a running app deliberately calls a model for vision, language, or logic, while ordinary code retains strict control of routing and state.

THE ECOSYSTEM AT A GLANCE: 111 APPS, 12 CATEGORIES

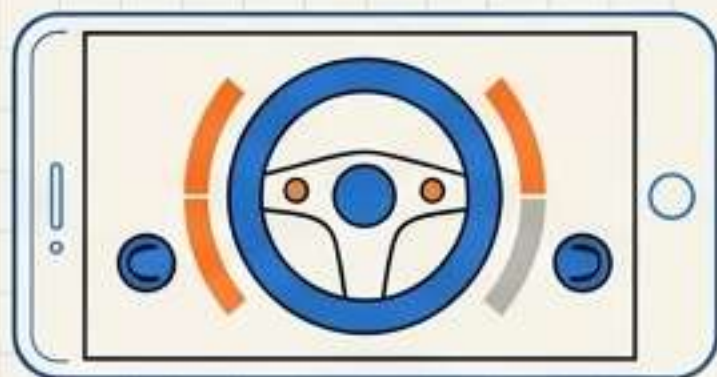
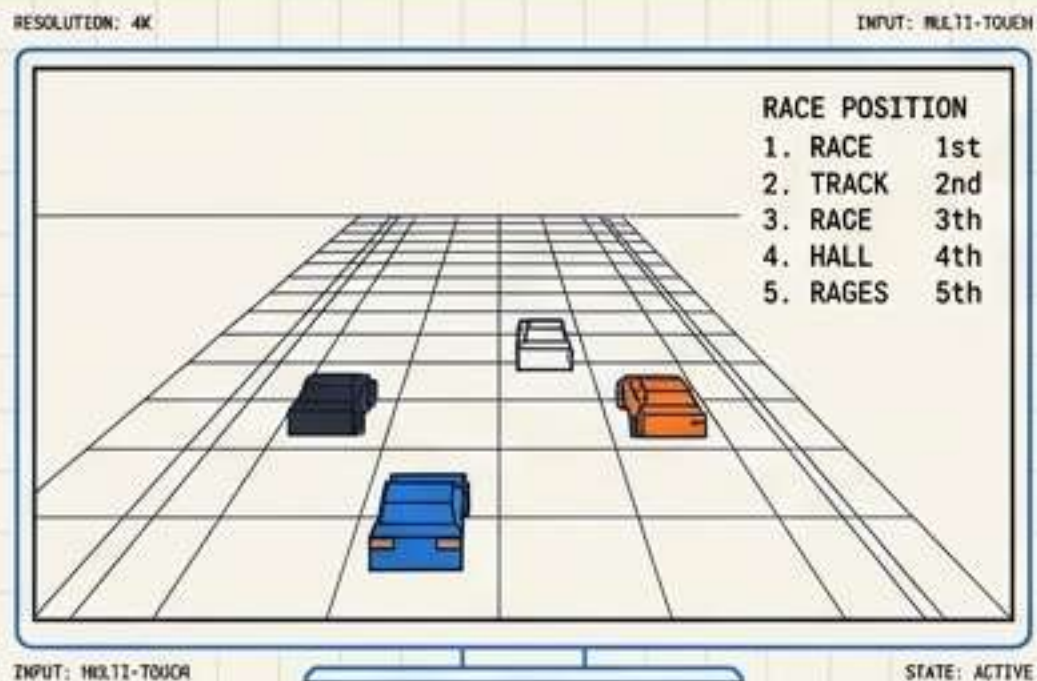
Over 100 AI-generated distributed systems, ready to explore without a single backend deployment.



SHOWCASE: SHARED ARCADE & PARTY

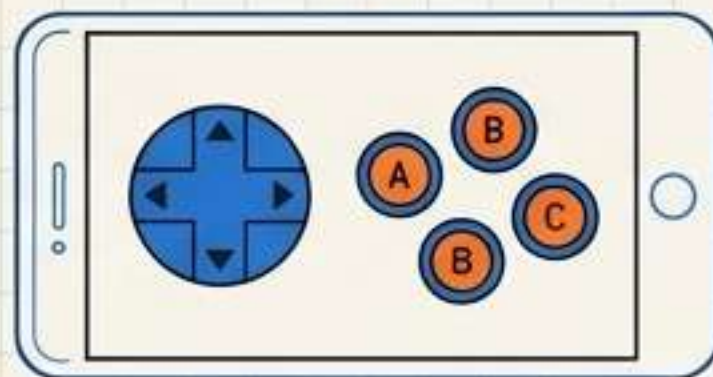
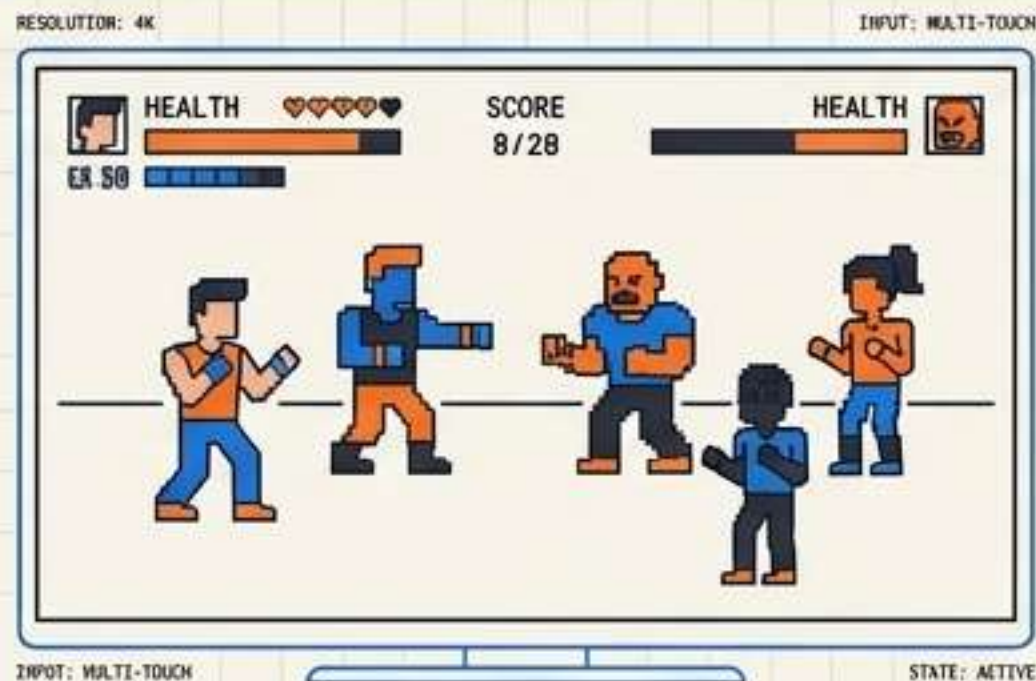
The TV is the arena. The phones are unique, distinct gamepads.

LAYOUT 1: 3DRACE



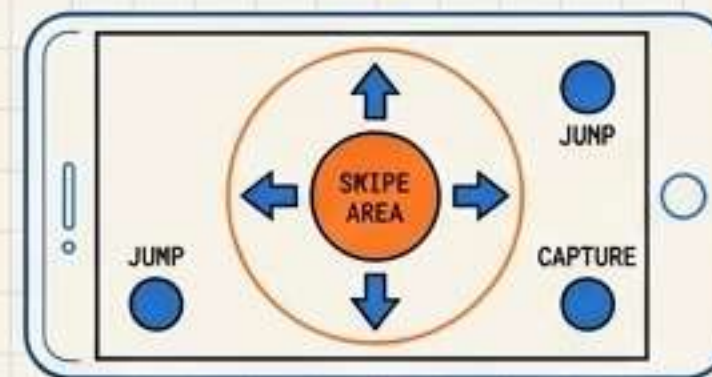
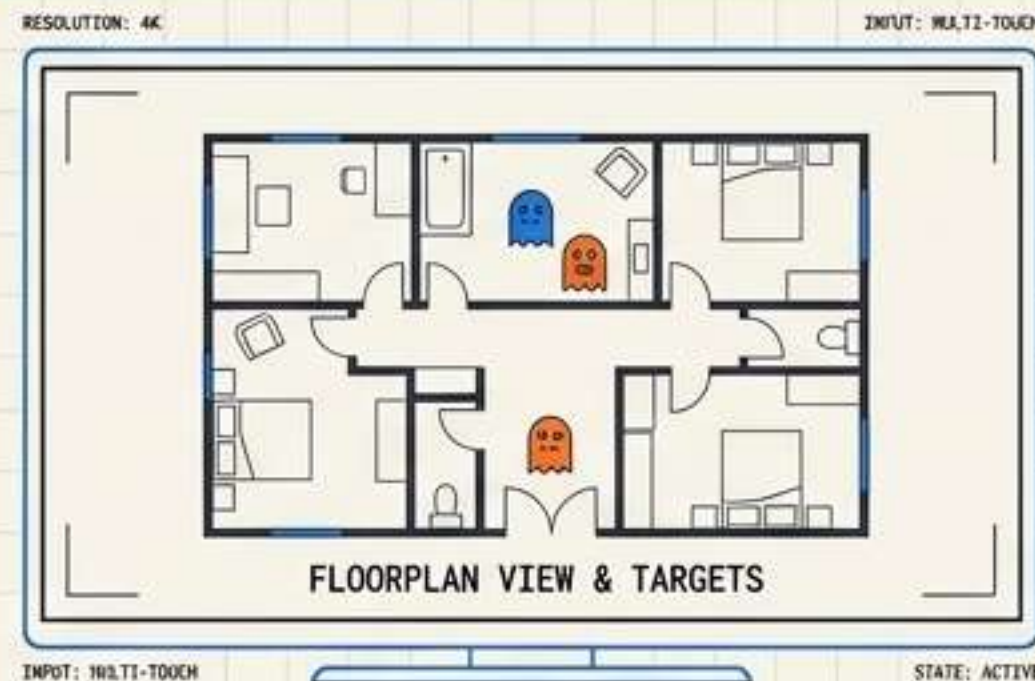
STEERING & BOOST

LAYOUT 2: BEATEMUP



FIGHT & COMBO INPUTS

LAYOUT 3: ECTOBOUNCE

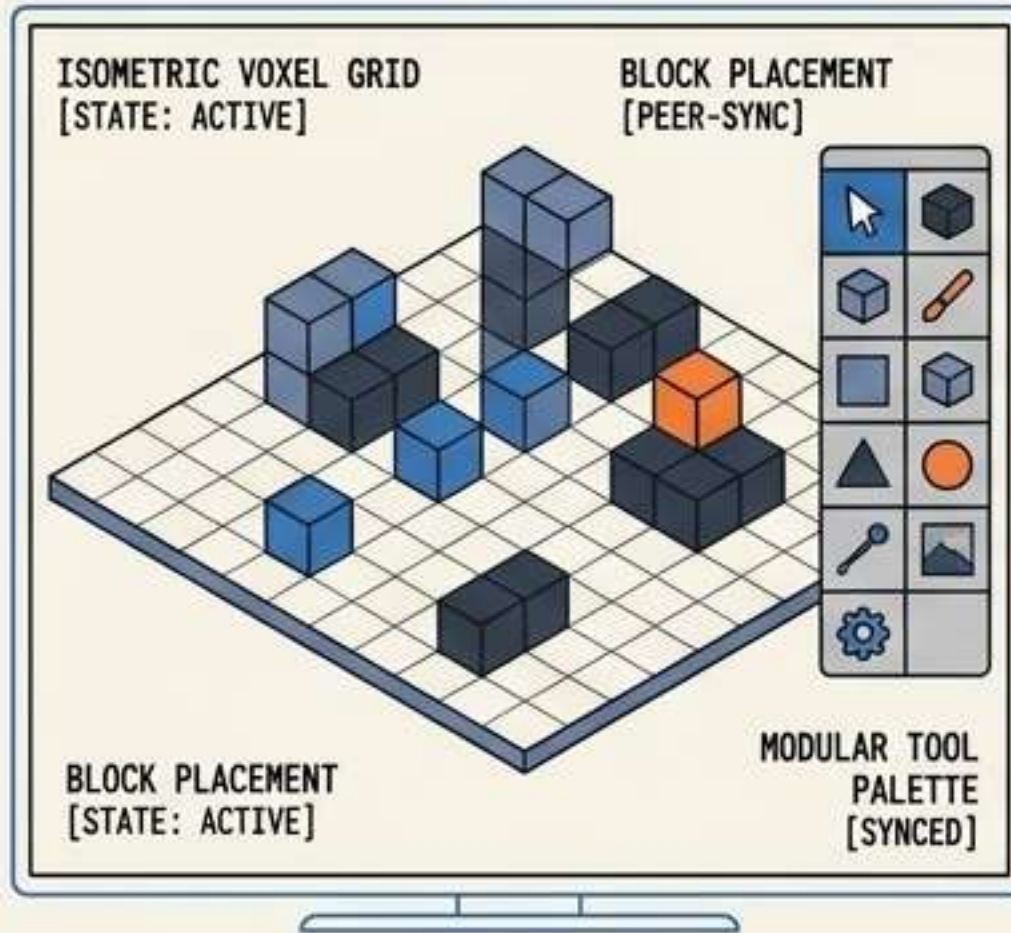


DIRECTIONAL SWIPE ZONE & CAPTURE

SHOWCASE: COLLABORATION & CREATION

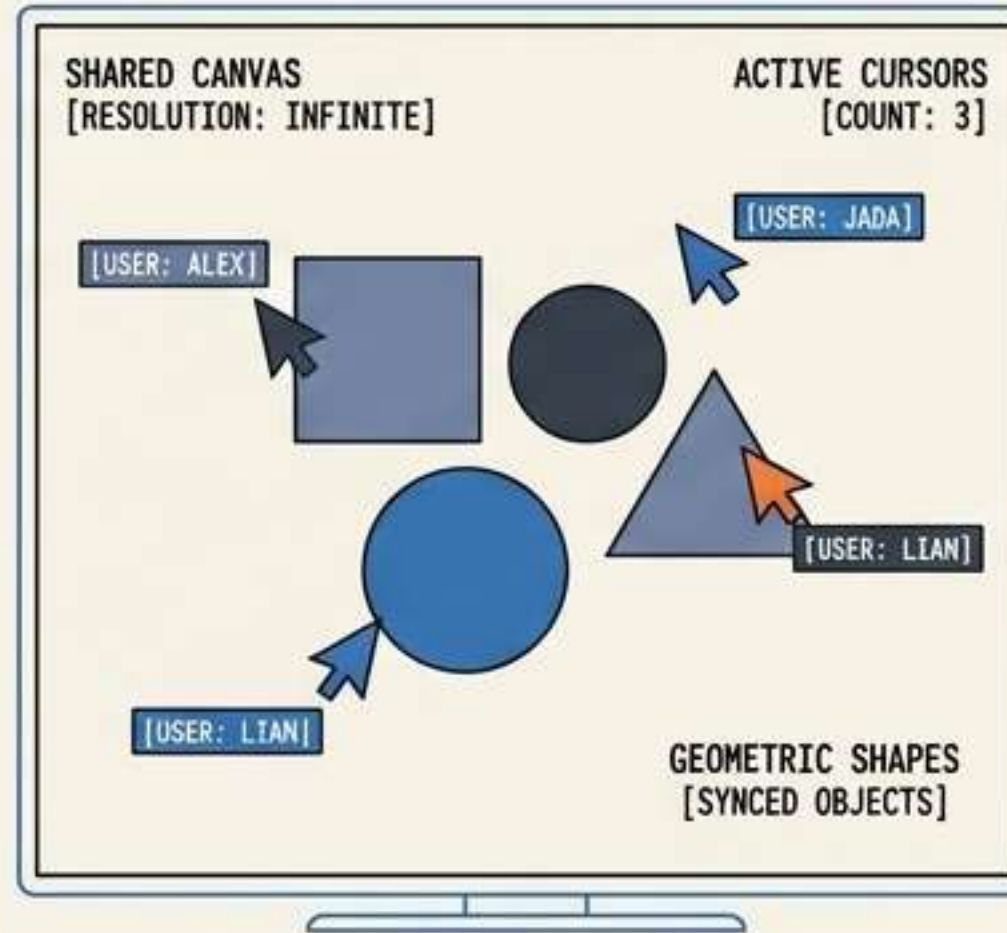
Symmetric Pattern: Every browser is an equal participant sharing state.

Astra Craft



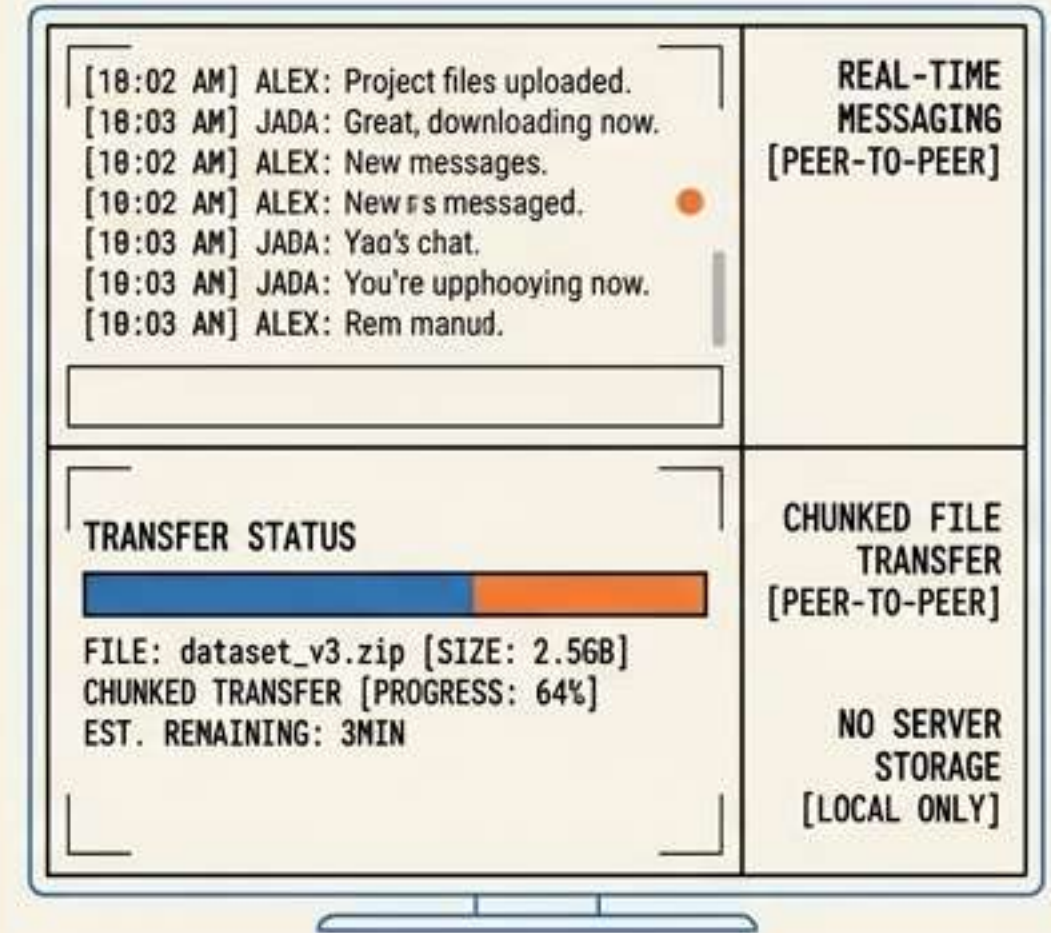
Shared 3D voxel world for building together block by block.

Whiteboard



Shared drawing canvas with synchronized tools and active cursors.

Files Pro & Chat Pro

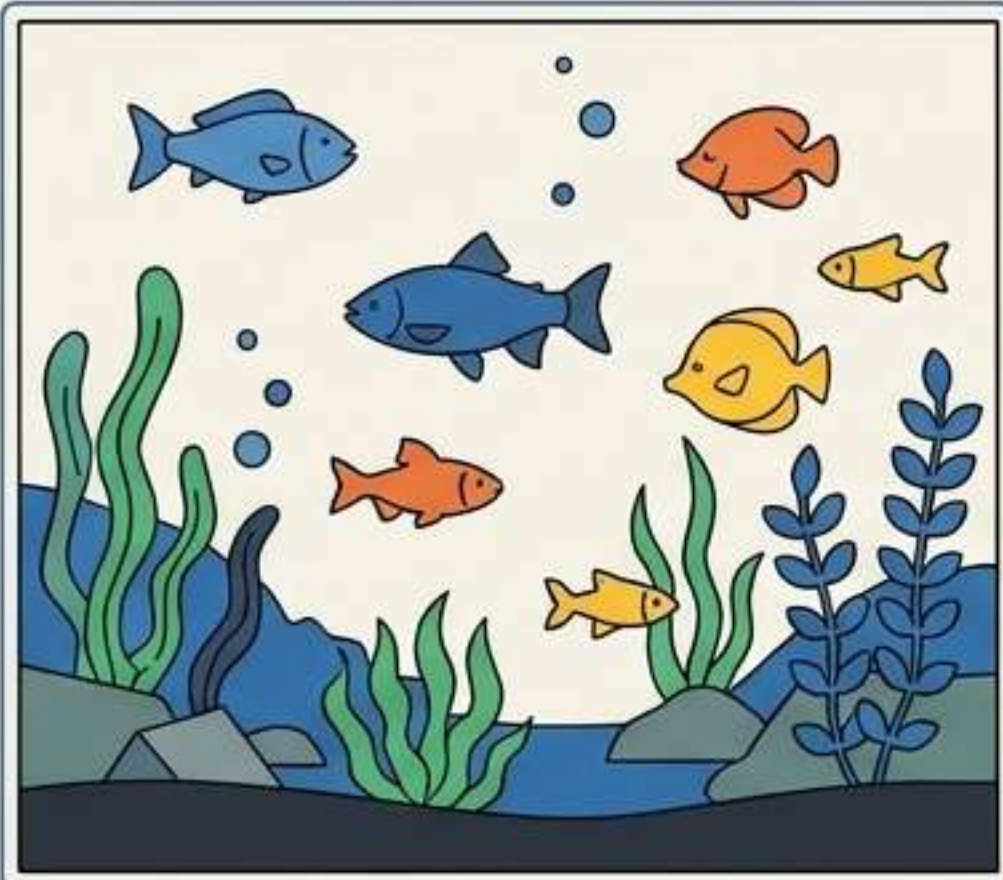


Peer-to-peer large file sharing (chunked) and real-time messaging with zero server storage.

SHOWCASE: VISUALS & AMBIENT DISPLAYS

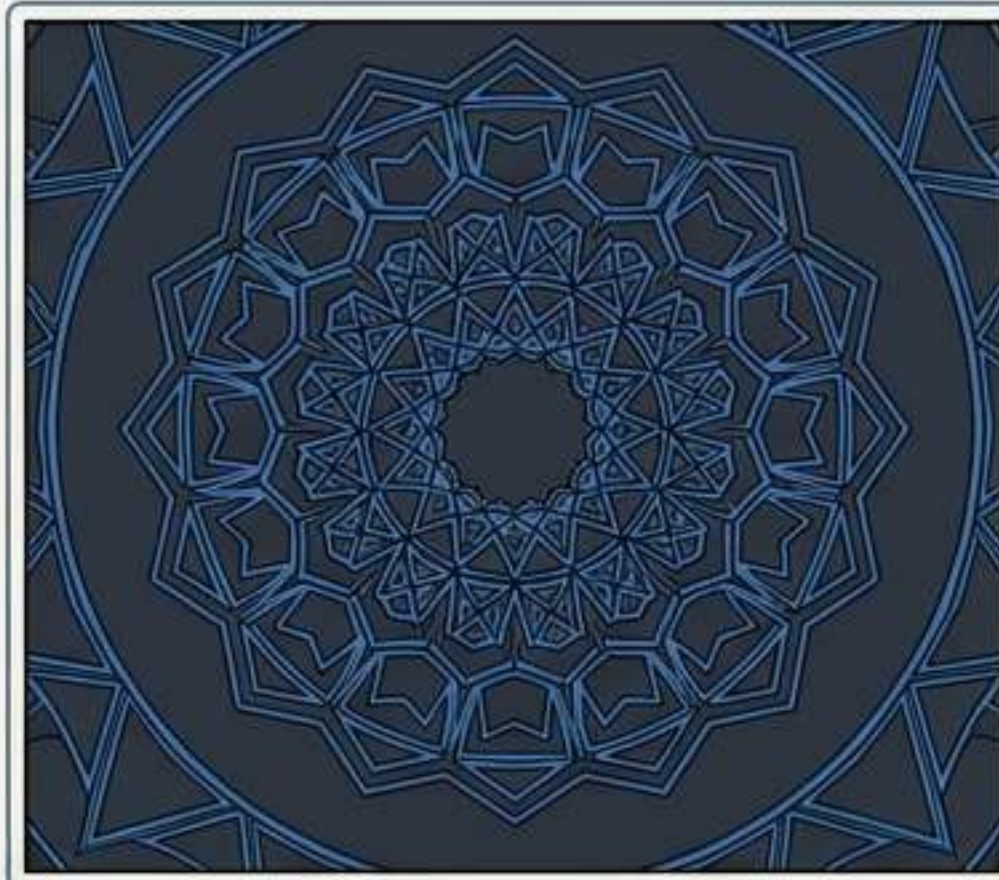
A lightweight digital signage platform requiring only web browsers and minimal server resources.

Fishtank



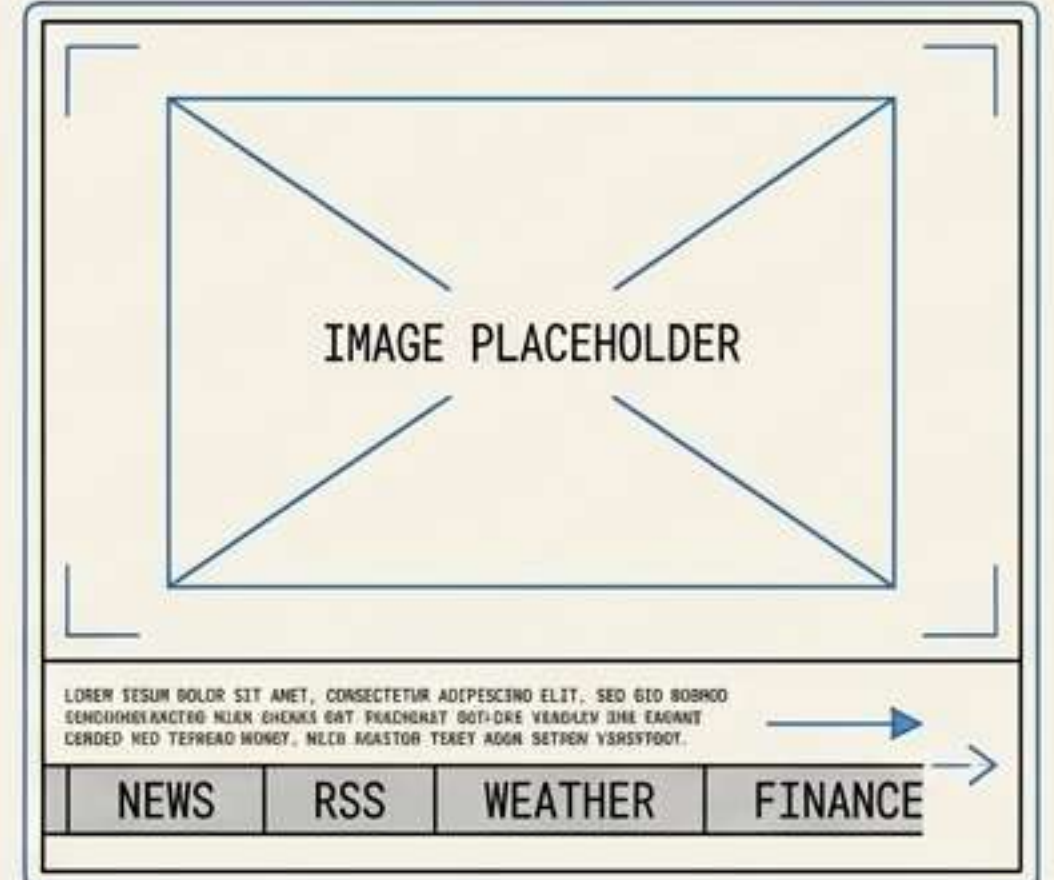
A living aquarium tended via smartphone.

Fractal



An interactive, zoomable fractal explorer.

Slideshow & News



Ambient digital signage and RSS boards replacing heavy custom players.

THE ULTIMATE EDGE NETWORK

By removing infrastructure drag and utilizing the web's simplest materials, RCWeb turns AI-generated ideas into collaborative, multi-device experiences instantly.

