GOOGLE AI ULTRA CREATIVE STUDIO SERIES • LATE 2026 EDITION (V1.1)

Mastering Google Stitch

The complete visual handbook to Google's AI-native UI design studio—turning plain-English prompts, napkin sketches & screenshots into cohesive multi-screen flows, live themes, Figma Auto-Layout frames, and production HTML/Tailwind code.

Prompt & Sketch to UI | Infinite Multi-Screen Canvas | Standard & Experimental Modes | Global Themes & DESIGN.md | One-Click Paste to Figma | HTML/Tailwind & Antigravity MCP



Napkin to Production UI

Transform plain-English app goals, whiteboard wireframes, or screenshots into crisp Mobile and Web interfaces in seconds.

Cohesive Design Systems

Switch Light/Dark modes, accent palettes, fonts, corner radii, and portable DESIGN.md rules across entire user flows.

Built for Figma & Antigravity

Paste editable Auto-Layout layers straight into Figma—or stream clean HTML/Tailwind via MCP into Google Antigravity.

What Is Google Stitch (And Why It Changes UI Design)

Traditional image generators paint flat pictures of apps filled with garbled text that developers have to rebuild from scratch. **Google Stitch** (`stitch.withgoogle.com`, born from Google Labs and Galileo AI) is a true **AI-native interface studio**: it thinks in real layout trees, design tokens, multi-screen user flows, editable Figma layers, and clean semantic frontend code.

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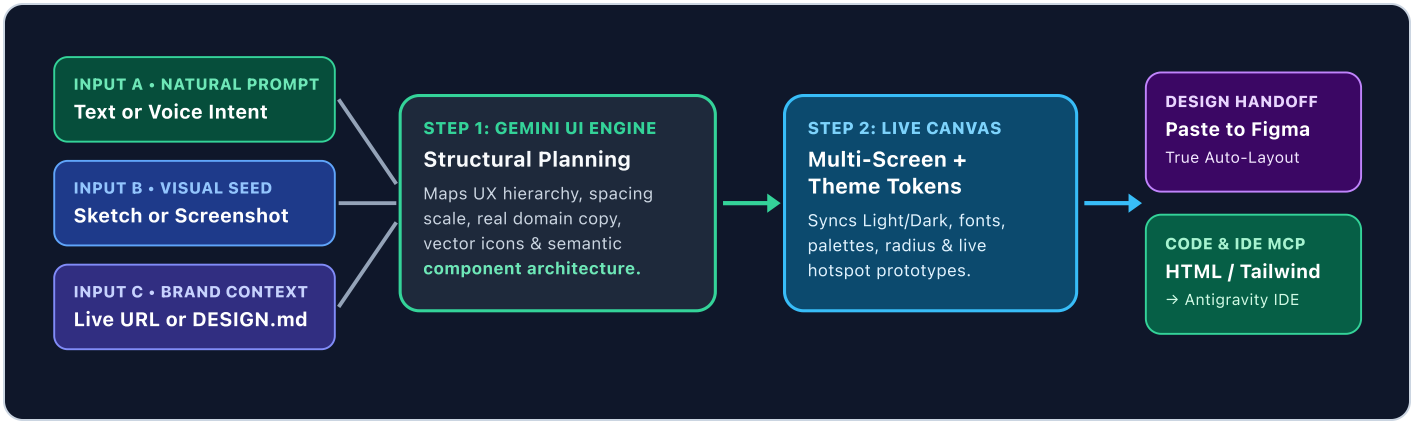
Architecture: From Rough Intent to Editable Layers & Live Code



Core Mindset Shift: "Vibe Designing" With Real Structural Bones

You never have to choose between speed and craft. Describe the *business problem and user goal* first, let Stitch assemble a complete multi-screen layout on its infinite canvas, adjust global theme sliders in real time, and export directly to Figma or your coding agent without redrawing a single rectangle.

First Launch: Targets, Modes & Daily Credit Pools

Before typing your first prompt at `stitch.withgoogle.com`, two quick toggles at the bottom of the composer shape everything Stitch builds: your **Device Target** (*Mobile* vs. *Web*) and your **Model Mode** (*Standard / Fast* vs. *Experimental / Pro*).

3 Steps to Your First Shippable Screen (Under 60 Seconds)

1 Launch Stitch Canvas

Sign in at `stitch.withgoogle.com` with your Google account. Click **New Project** to open a fresh infinite canvas with Agent Manager ready.

2 Select Mobile or Web

Pick **Mobile** for touch-first iOS/Android screens (`390px–430px`) or **Web** for responsive desktop dashboards, SaaS apps, and landing pages.

3 Pick Mode & Generate

Choose **Standard / Fast** for rapid multi-screen flows + native Figma paste, or **Experimental / Pro** for sketch/image uploads and high-craft aesthetics.

Standard / Fast Mode vs. Experimental / Pro Mode: When to Use Which

Capability	Standard / Fast Mode (Gemini Flash)	Experimental / Pro Mode (Gemini Pro)
Primary Strength	Blazing-fast multi-screen ideation, structured design systems, and rapid conversational tweaks.	Deep visual reasoning, bespoke editorial/3D aesthetics, and complex spatial layout interpretation.
Image & Sketch Uploads	Text prompts, URL-to-theme context, and conversational screen edits.	**Full Multimodal Seed Support:** Upload napkin sketches, whiteboard photos, wireframes & screenshots!
Paste to Figma	**Native 1-Click** `Copy to Figma` (pastes clean editable Auto-Layout frames directly).	Exports clean HTML/Tailwind code (importable to Figma via `html.to.design` or Stitch plugin bridge).
Frontend Code Export	Clean semantic HTML5 + Tailwind CSS + live preview + Stitch MCP access.	Rich custom CSS variables, nuanced gradients, HTML5/Tailwind markup + Stitch MCP access.
Daily Credit Allowance	Free daily pool (~**400 daily design credits**, resetting midnight UTC; complexity-weighted across UI & MCP).	Draws from your **400 daily credits** + tighter **~15 daily redesign** quota (save for hero look-dev & sketches).

Choosing Mobile vs. Web Target Before You Prompt

When to Pick "Mobile" Target

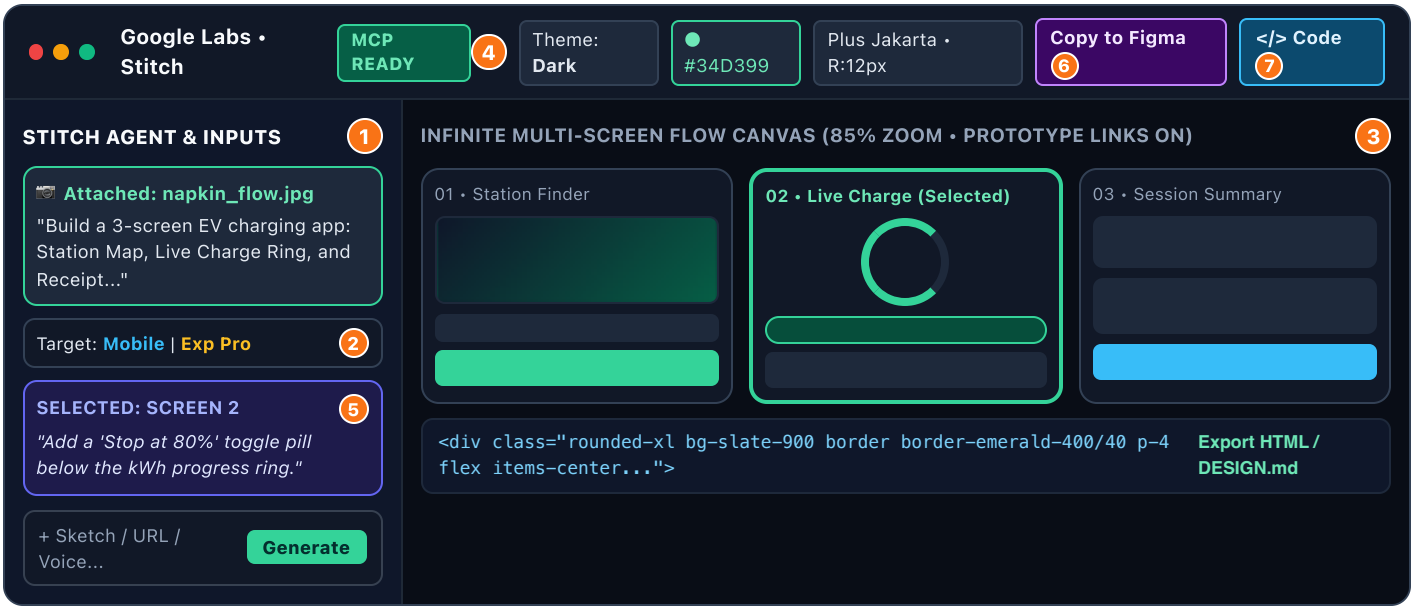
Automatically enforces thumb-friendly bottom navigation bars, stacked card rhythms, safe-area top headers, swipeable pill carousels, and slide-up action sheets ideal for React Native, Flutter, SwiftUI, or mobile-web PWAs.

When to Pick "Web / Desktop" Target

Unlocks collapsible left navigation rails, multi-column Bento analytics grids, filterable data tables, split-pane inspector drawers, and wide hero sections tailored for Next.js, React, and SaaS web platforms.

The Google Stitch Workspace: Annotated Visual Tour

Stitch combines an expansive multi-screen canvas with a conversational design agent and global theme tokens. Master these 7 numbered controls to steer every pixel and code export cleanly.



Numbered Interface Reference

1 **Prompt & Multimodal Composer:** Describe app goals by text or voice, attach wireframe sketches/screenshots, or paste a brand URL.

2 **Target & Engine Switcher:** Toggle `Mobile` vs. `Web` layout geometry and switch between `Standard` and `Experimental` engines.

3 **Infinite Multi-Screen Canvas:** Pan, zoom, arrange 4–10+ connected screens side by side, and test interactive prototype hotspots in Live Mode.

4 **Global Theme Bar:** Instantly flip Dark/Light mode, accent hex color, Google Font pairing, and corner radius across every screen at once.

5 **Contextual Edit & Variant Drawer:** Click any individual screen or component to generate 3 layout variants or chat surgical refinements.

6 **Copy to Figma Button:** Copies real vector frames, Auto-Layout stacks, and editable typography straight onto your system clipboard.

7 **Code, Live Preview & MCP Settings:** Inspect live interactive HTML/Tailwind CSS, download `DESIGN.md` tokens, or grab your Stitch MCP API key for Google Antigravity.

From Napkin Sketch or Screenshot to Production UI

Sometimes drawing three boxes on dotted paper is ten times faster than explaining a spatial layout in words. Switch Stitch to **Experimental Mode**, click the attachment icon, and let Gemini Vision translate rough ink into polished UI and clean DOM structure.



1. PAPER SKETCH: Simple boxes, avatar circles & hierarchy lines.

2. GEMINI PARSING: Infers Auto-Layout stacks, cards & chart zones.

3. STITCH OUTPUT: High-craft themed UI + semantic HTML/Tailwind!

3 Multimodal Upload Workflows Every Designer Should Master

1 Paper & Whiteboard

Use dark felt-tip pen on plain or dotted paper. Draw clear bounding boxes, standard `[X]` image placeholders, and short section labels, then snap a well-lit overhead photo without harsh shadows.

2 Screenshot Remixing

Upload a screenshot of an existing app (or your legacy v1 product) and prompt: *"Keep this information architecture, but redesign for a luxury veterinary clinic in warm sage and cream."*

3 URL & Moodboards

Point Stitch at your live marketing URL—or upload a brand style tile—to automatically extract colors, font mood, and button geometry into a reusable `DESIGN.md` system!

Image-Input Best Practices (Avoiding Misread Layouts)

Input Type	Do This	Avoid This
Hand-Drawn Sketch	Crop tightly to a single screen frame (or clearly numbered frames) with bold marker lines.	Cursive margin notes, crossed-out scribbles, or angled perspective photos across two laptop monitors.
Existing App Screenshot	Tell Stitch explicitly what to *keep* (layout grid) vs. what to *replace* (industry, brand palette, data).	Uploading a screenshot with zero text prompt—Stitch won't know whether to modernize or clone it.

Golden Formula: Visual Seed = "Where Things Go" • Text Prompt = "How It Feels"

Never waste time shading buttons on paper! Let your 30-second sketch control spatial hierarchy, and add one crisp sentence: `"Turn this wireframe into a dark-mode podcast studio dashboard with emerald waveform cards and crisp tabular metrics."`

Writing High-Precision UI Prompts & Mastering Themes

Vague prompts like *"make a finance app"* yield generic templates. Giving Stitch five structured ingredients produces agency-grade layouts—which you can then restyle across radically different aesthetics in one click.



1. Nordic Frosted Light: Airy white, pale mint, subtle glass.

2. Cyberpunk Neon Dark: Obsidian surface, glowing cyan/emerald.

3. Editorial Wellness: Warm sand, terracotta & organic sage.

4. Tactile Bento Pop: Pastel coral/sky tiles, 24px pill corners.

The 5-Part Stitch UI Prompt Formula (Color-Coded Anatomy)

1. App Purpose & Persona | 2. Target Device | 3. Layout Hierarchy | 4. Concrete Components & Data | 5. Aesthetic & Theme Vibe

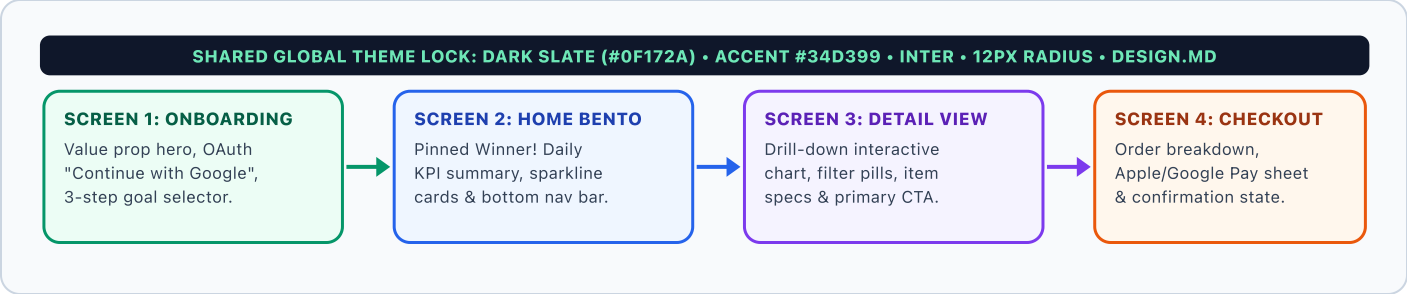
"Design a personal sleep & recovery coach app for endurance athletes as a Mobile iOS screen. Use a clean top greeting header, a dominant central recovery ring card, a 2x2 Bento metric grid below, and a 4-icon bottom tab bar. Populate with realistic data: 92% Recovery Score, 7h 48m Sleep Stages bar, HRV 74 ms sparkline, and Resting HR 46 bpm. Style in deep midnight slate (#0B1120) with luminous emerald-mint accents, Plus Jakarta Sans typography, and 16px rounded cards."

Stitch's 4 Global Theme Levers + Portable `DESIGN.md`

Theme Control	How to Steer It Without Re-Generating Your Layout
Light / Dark Polarity	Flip the global sun/moon switch to test surface contrast, elevation shadows, and chart legibility in both modes instantly.
Primary Accent Palette	Pick a preset swatch or paste your exact brand hex (e.g., `#10B981`)—Stitch recalculates hover tints, badges, and chart fills automatically.
Typography Scale	Swap geometric sans (*Inter, Plus Jakarta*), editorial serif (*Playfair, Instrument Serif*), or technical mono (*JetBrains Mono*) globally.
Border Radius & `DESIGN.md`	Slide corner radius from architectural `0px` sharp to `12px` SaaS modern or `24px` consumer pill—then export `DESIGN.md` so coding agents obey every token!

Building Cohesive Multi-Screen Flows & Surgical Edits

Real software isn't one hero screen—it is an end-to-end journey. Stitch's infinite canvas and **Agent Manager** let you map 4 to 8 connected screens that share identical navigation chrome, spacing rhythm, and theme tokens.



The "Anchor First, Expand Second" Workflow (Best Consistency)

1. **Nail One Anchor Screen First:** Generate your core Home Dashboard or Product Page first, explore 2–3 layout variants, and dial in your exact Global Theme palette, font, and radius.
2. **Expand the Flow From Your Anchor:** Select that winning screen on the canvas and prompt: `"Using this exact design system and navigation bar, generate 3 connected screens: (1) Onboarding Sign-In, (2) Analytics Drill-Down, and (3) User Settings."`
3. **Link Interactive Hotspots:** Toggle Stitch's **Prototype / Live Mode** to connect buttons across screens and click through the live user journey in your browser before writing a line of backend code.

Surgical Conversational Edits (Changing 10% Without Breaking 90%)

Scoped Component Prompts

Click the specific screen or section first, then write a surgical delta: `"Keep the header and KPI row untouched; replace only the bottom activity feed with a 5-row sortable invoice table with Paid/Pending status pills."`

Branching Variants Safely

Want to test a bold new layout without risking your current favorite? Click **Duplicate / Generate Variants** on the canvas so Agent Manager explores 3 parallel options side by side while preserving your original frame.

Design-to-Dev Handoff: Paste to Figma & Clean Code

Stitch eliminates the dead-end "static mockup trap." Whether your next stop is a collaborative design critique in **Figma** or a live repository in **Google Antigravity**, your work travels with full structure intact.

A One-Click "Paste to Figma" Workflow

1. Select any screen (or multi-screen group) generated in **Standard Mode**.
2. Click **Copy to Figma** in the top action bar.
3. Open any Figma design file and press `Cmd + V` (Mac) or `Ctrl + V` (Windows).
4. **Inspect your layers:** Stitch creates real nested **Figma Auto-Layout** frames (horizontal/vertical padding & gap rules), editable text nodes, crisp SVG icons, and clean fill tokens!

Tip for Experimental Mode screens: Export the screen's HTML or live preview link and import via Figma's `html.to.design` plugin to preserve editable layers.

B Clean HTML & Tailwind CSS Export

1. Click any screen and open the `</> Code` drawer (or toggle **Live Preview** to test responsive resizing).
2. Copy or download the single-file **HTML5 + Tailwind CSS** bundle.
3. **What's inside:** Semantic tags (`<nav>`, `<main>`, `<section>`), clean Flexbox/CSS Grid classes, Google Fonts links, and zero absolute-positioned spaghetti!
4. Download `DESIGN.md` alongside your code to document every color, font, and spacing token for AI coding agents.

Choosing the Right Stitch Export Path for Your Team

Export Format	What Gets Transferred	Best When You Need To...
Copy to Figma	Editable Auto-Layout frames, vector icons, text layers & fills.	Co-edit with product designers, attach to an existing enterprise Figma component library, or run stakeholder redlines.
HTML + Tailwind CSS	Responsive semantic DOM markup + Tailwind utility classes.	Drop directly into a prototype server, convert into React/Vue/Svelte components, or deploy an instant landing page.
`DESIGN.md` File	Structured Markdown design-system contract (tokens & UX rules).	Commit into your Git repo root so **Google Antigravity**, Jules, or Claude/Cursor enforce your exact aesthetic on every PR.
Stitch MCP Server	Live API bridge exposing all Stitch projects, screens & code.	Let Google Antigravity pull screens directly into Next.js, Flutter, or Swift projects with zero manual copy-paste (Page 11!).

2-Minute Figma Hygiene Habit After Pasting

Right after pressing `Cmd + V` in Figma, select the pasted frame, verify your Google Font is installed locally, and click **Create Component** on repeated navbars and cards—you just turned a 20-second AI generation into a reusable design system!

5 Copy-Paste Stitch Recipes for Mobile & Web Apps

Paste any of these five battle-tested prompts straight into Stitch—each is engineered with clear hierarchy, realistic domain copy, and crisp theme tokens so it renders cleanly on the very first run.

App Blueprint	Target & Mode	Copy-Paste Stitch Prompt (Includes Layout, Data & Theme)
1. SaaS AI Spend & Analytics Console	`Web` Standard / Exp	*"Design a B2B AI observability dashboard. Left collapsible icon+label sidebar; top header with workspace switcher and date-range picker; 4-card KPI row (Total Requests 4.2M, P95 Latency 310ms, Cache Hit 68%, Monthly Spend $1,840); wide stacked area chart of token usage by model; bottom filterable trace log table with status badges. Dark slate (`#0B1120`) theme, emerald (`#34D399`) accents, Inter + JetBrains Mono numbers, 10px radius."*
2. AI Fitness & Habit Coach	`Mobile` Standard	*"Create a sleek iOS daily habit & workout tracker home screen. Top greeting 'Good morning, Maya' with streak pill '14 Days'; hero dual-ring progress card showing Move (620/700 kcal) and Mindfulness (15/20 min); 3 checkable habit tiles (Morning Hydration, 45m Strength, Read 20 Pages) with subtle progress bars; floating emerald '+' quick-log button and 4-tab bottom bar. Obsidian dark mode, electric mint accents, 20px rounded cards."*
3. Boutique Ceramic Storefront	`Web` Experimental	*"Design an editorial e-commerce product & collection page for handcrafted Kyoto ceramics. Minimal top nav with cart badge; split hero featuring asymmetric gallery grid on left and sticky buy box on right ('Kuro Glaze Pour-Over Set — $88', glaze swatch dots, quantity stepper, 'Add to Bag' button, care accordion); 3-column 'Complete the Table' cross-sell grid below. Warm alabaster (`#FAF7F2`), terracotta (`#C25E3E`) CTA, editorial serif headings."*
4. Personal Finance Bento Tracker	`Mobile` Standard	*"Build a calm personal net-worth & budget mobile app. Clean header with month selector 'November 2026'; hero Safe-to-Spend card ($2,410 remaining of $4,000 budget) with smooth pace curve; 2x2 Bento grid for Checking, High-Yield Savings (+4.6% APY), Investments, and Upcoming Bills; bottom 'Recent Transactions' list with merchant icons. Crisp Nordic light mode (`#F8FAFC`), deep cobalt (`#2563EB`) accents, 16px radius."*
5. Creator Portfolio & Booking Hub	`Web` Standard / Exp	*"Design a product designer portfolio & paid advisory booking page. Availability pill ('2 Q4 Advisory Slots Open'); bold typographic intro headline; 2x2 interactive Bento case-study grid with metric tags ('+38% Checkout Conversion'); embedded 3-tier session booking strip (30m Critique $120, 60m Design System Audit $250, Async Review $95) with calendar time-slot pills. High-contrast monochrome with sky-cyan (`#38BDF8`) highlights."*

Instant Follow-Up Move: Turn Any Recipe Above into a 5-Screen Prototype

Once your favorite recipe renders, select the frame and send this second prompt: `"Keep this exact DESIGN.md aesthetic and navigation chrome, and generate 4 companion screens: Empty State, Detail Drawer, Settings, and Checkout."`

Elevating AI Mockups into Shippable, Accessible UX

Left unguided, any AI UI tool will happily pack twelve charts onto one phone screen or place pale mint text on a white button. Apply these four senior UX guardrails inside Stitch so your designs pass real engineering and accessibility reviews.

1 Enforce the "One Primary Job" Rule

Every screen needs **one** unmistakable primary action and 3–4 content groups max. Include `"generous 24px section spacing, progressive disclosure, and a single high-contrast primary CTA"` in prompts to prevent cramped dashboard soup.

2 WCAG AA Contrast & Surface Steps

When using bright accents like mint (`#34D399`) or amber (`#FBBF24`), instruct Stitch: `"Use dark obsidian text (#042F2E) on bright accent buttons for 7:1 WCAG contrast, and step dark cards cleanly from #0B1120 bg to #1E293B surface."`

3 Ergonomic Touch & Click Targets

For **Mobile** targets, ask for `"minimum 44x44px tap targets, 8px minimum gap between icon buttons, and primary actions anchored in the lower thumb zone"`—critical before exporting to SwiftUI or Flutter.

4 Always Generate the "Unhappy Paths"

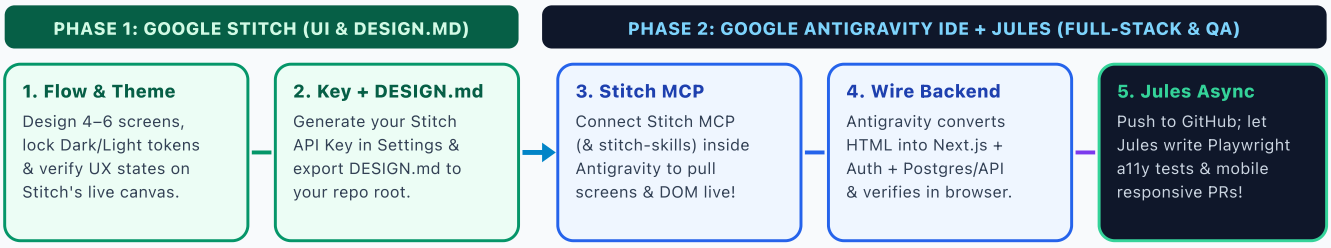
Developers stall when designs only show sunny-day data! Ask Stitch to generate matching frames for: **Zero-Data Empty State**, **Skeleton Shimmer Loading**, **Inline Form Error State**, and **Confirmation Toast**.

Quick Audit: Turning "AI Demo Smells" into Production Polish

Common "AI Mockup Smell"	10-Second Conversational Fix Inside Stitch
3 competing solid-colored primary buttons in one header	`"Demote Export and Filter to subtle ghost/outline buttons; keep only '+ New Project' as a solid primary fill."`
Fake placeholder labels ("Card 1", "Metric A", "Lorem ipsum")	`"Replace all placeholder text with realistic veterinary clinic appointment names, pet breeds, and timestamps."`
Tiny 10px captions & dense 7-column table on Mobile	`"Convert this mobile table into a clean vertical stacked card list with 15px titles and right-aligned status pills."`
Charts missing axis units, legends, or time toggles	`"Add clear Y-axis dollar labels, a 7D / 30D / 1Y segmented pill toggle, and a hover tooltip callout on peak day."`

Power Pipeline: Design in Stitch, Ship in Antigravity

Pairing **Google Stitch** with your **Google Antigravity & Jules** setup creates Google's flagship end-to-end software factory: Stitch acts as your instant UX & design-system studio, Antigravity builds the real full-stack application via **MCP**, and Jules handles background verification.



How to Wire Stitch Directly Into Google Antigravity (3 Options)

- **Option 1 — Live Stitch MCP Integration (Fastest):** Open Stitch **Settings → API / MCP**, copy your key, and add the Stitch MCP server (plus optional `google-labs-code/stitch-skills`) in Antigravity. Then prompt Antigravity: `"Pull the 4 screens from my Stitch 'EV Charger' project, convert them into reusable Next.js App Router components obeying DESIGN.md, and wire Supabase auth."`
- **Option 2 — HTML + Screenshot Dual Drop:** Export Stitch's HTML/Tailwind zip into your workspace *and* drop the PNG preview into Antigravity's chat—Antigravity uses the exact Tailwind classes while verifying visual fidelity in its built-in browser agent!
- **Option 3 — Delegate UI Polish & Regression Tests to Jules:** Once your core app runs, tag **Jules** on GitHub to add skeleton loading states, dark-mode persistence, and Playwright end-to-end tests matching your repo's `DESIGN.md`.

Why Separating "UI Exploration in Stitch" From "Code Architecture in Antigravity" Wins

Asking a full-stack IDE agent to invent visual aesthetics from scratch burns coding tokens and slows iteration. Exploring 5 visual themes in Stitch takes 90 seconds—handing Antigravity a finished Stitch design means your coding agent spends 100% of its brainpower on clean state management, APIs, security, and tests!

Troubleshooting Clinic & Pre-Flight Cheat Sheet

Keep this page handy alongside `stitch.withgoogle.com`—every common UI generation hiccup has a reliable 10-second fix.

Top 7 Google Stitch Issues & 10-Second Fixes

Symptom / Problem	Root Cause & 10-Second Fix
`Copy to Figma` button is grayed out or missing	Screen was generated in **Experimental Mode**. Re-generate or branch in **Standard Mode** for native 1-click Figma paste, or import Experimental HTML via Figma's `html.to.design` plugin.
Sketch/wireframe upload icon isn't clickable	Workspace is currently set to Standard Mode text-only flow. Toggle the mode selector to **Experimental (Pro) Mode** to unlock multimodal sketch and screenshot attachments.
Editing one widget accidentally redesigned the whole screen	Prompt was sent globally without scoping. **Click the specific screen/section first** and prefix with: `"Keep header, nav, and palette identical; update ONLY the..."`
Multi-screen flow drifts in button shape or colors	Screens were prompted in separate unlinked sessions. Set your **Global Theme Bar** (accent, font, radius) on Screen 1 first, then select Screen 1 and ask Stitch to expand companion screens from it.
Generated screen feels overcrowded & claustrophobic	Prompt listed too many widgets for one viewport. Ask Stitch: `"Increase whitespace and card padding to 24px; move secondary settings into a slide-over drawer."`
Hand-drawn sketch produced weird floating boxes	Low-contrast pencil or angled shadow in photo. Retake flat overhead in bright light with dark marker boxes, and add a 1-sentence prompt naming each boxed zone.
Pasted Figma text wraps slightly differently	Missing local Google Font in Figma Desktop. Install the matching Google Font (e.g., *Plus Jakarta Sans* or *Inter*) or select all and apply your team's Figma text style.

Stitch Designer Pre-Flight Checklist: 6 Habits for Instant Production UI

- ☐ **1. Pick `Mobile` vs. `Web` First** before typing a word.
- ☐ **2. Match Mode to Job** (`Standard` = Figma/speed; `Exp` = sketches).
- ☐ **3. Nail 1 Anchor Screen**, then expand into 4–6 flow screens.
- ☐ **4. Lock Global Theme Early** (Light/Dark, hex, font, radius).
- ☐ **5. Generate Edge States** (Empty, Loading & Error frames).
- ☐ **6. Export `DESIGN.md` + MCP** straight into Google Antigravity!

Ready to Design & Ship?

Open `https://stitch.withgoogle.com`, sketch a rough flow or paste Recipe #1, dial in your Global Theme tokens, paste Auto-Layout frames into Figma, and connect Stitch MCP inside **Google Antigravity** to bring it to life!