

Cloud AI UX

Workflow

go/cloud-ai-ux-workflow



Agenda

- 01 Overview
- 02 Prototyping environment
- 03 Prototype tooling
- 04 Additional tooling
- 05 What's next

01 Overview

Agent Designer required a new workflow



The old way

Fragmentation and scaling bottlenecks

Relying on Figma mocks and AI Studio prototypes: while useful for isolation, these are slow to scale for complex experiences and hard to collaborate on across a larger team.

Behavior assumptions & gaps

Mockup "guesswork"

Handoff friction
(Figma files/pages and different prototypes)

Isolated exploration

The new way

Integrated, functional prototyping (Jetski + FoG + CI/CD)

Build the actual product experience as the design. This allows us to de-risk complex behaviors and communicate 1:1 functionality to PM and Eng partners.

Exact functionality

Validated UX (de-risked via functional code)

Single source of truth

Collaborative / high-velocity iteration

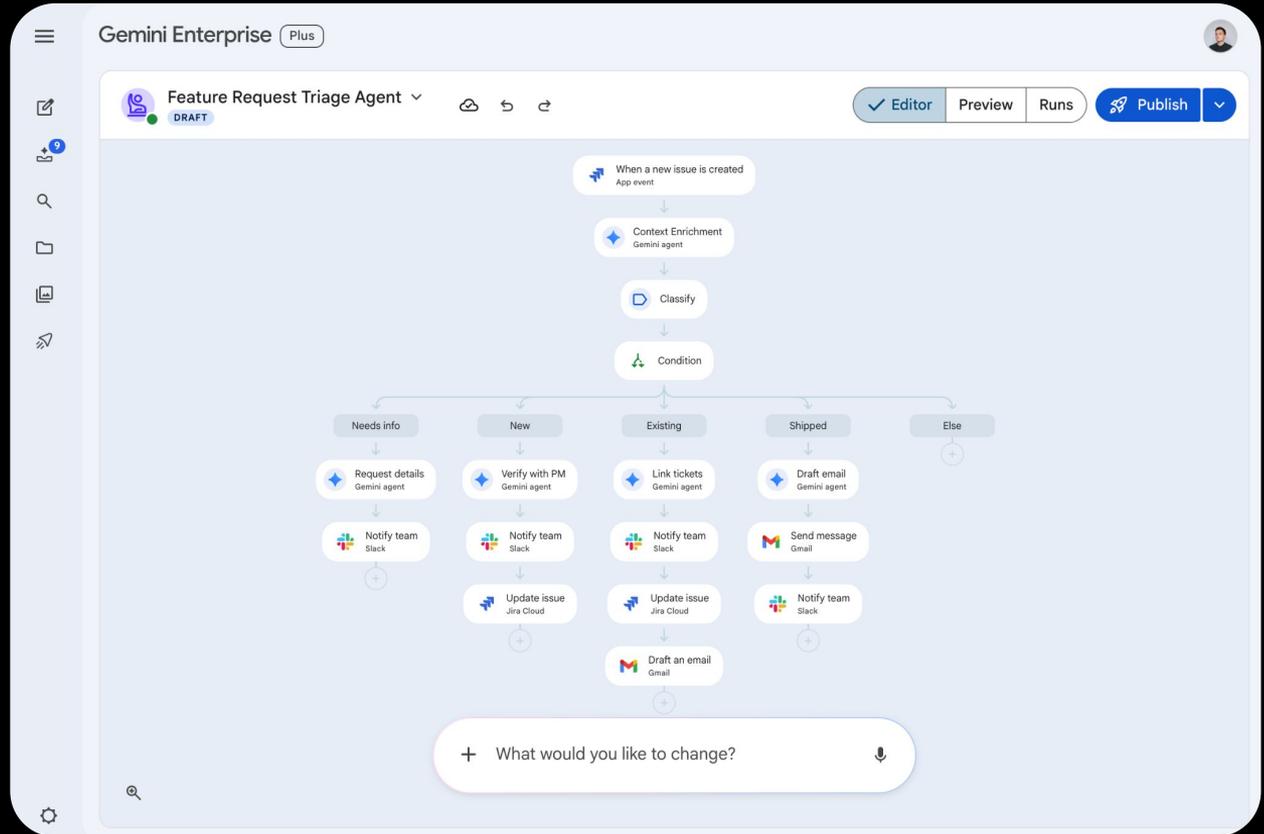
Prototype

Agent Designer

Prototype is used to

- UXD experience
- UXR with internal/external customers

[go/g1-agentbuilder](https://go.g1-agentbuilder)



02 Prototyping environment

Set up prototyping environment

- **The old way: RTFM**
 - Read documentation & follow these xx steps
 - Friction and error prone
- **The new way: Repo & Setup**
 - FoG: go/cloud-ai-ux-repo
 - CLI one-liner setup (installs Jetski, GGH, clones toolkit, and configures SSH Keys)

```
sonke — -bash — 81x5
sonke-mac:~ sonke$ gcert && sudo mule install github-cli coe-github-ggh-cli jetski && ggh repo clone cloud-ux-exp/cloud-ai-ux && cd cloud-ai-ux && ./skills/depot-auth/scripts/onboard.sh && ./bootstrap.sh
```

```
AGENTIC DESIGNER TOOLKIT
The Agentic Designer Toolkit
Transitioning from Figma visuals to High-Fidelity code.
Step 3: Adaptive Vibe (Skill Level)
Toolkit features and guidance will be adjusted based on your comfort level.
✓ What is your comfort level with IDEs and terminal workflows? · medium
+ Adaptive tier set to: medium
```

CI/CD: Automatic deployment

- **From Git Push to live URL**
 - Auto-deploy for **main** and **-preview** suffix branches
- **Infra:** Cloud Build → Cloud Run (Unique Sandbox URL)
- 100% environment isolation for feature testing and stakeholder sharing

Preview builds
Manage and switch between active branch sandboxes

tools-and-knowledge-preview CURRENT
https://agent-builder-sb-tools-and-knowledge-preview-nvvjatryja-uc.a.run.app
@tagiev · ab12c97 · Feb 22, 1:19 AM

wip
https://q1-agent-builder-v4-staging-nvvjatryja-uc.a.run.app
@tagiev · 4d59f91 · Feb 19, 7:10 AM

ep-connectors-preview
https://agent-builder-sb-ep-connectors-preview-nvvjatryja-uc.a.run.app
@ericpeter · 786020b · Feb 19, 12:01 AM

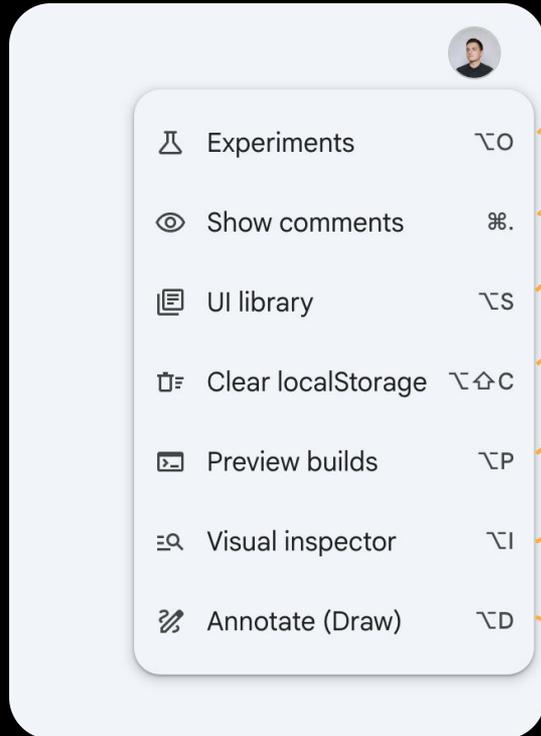
v3-reaper-test-preview
https://agent-builder-sb-v3-reaper-test-preview-nvvjatryja-uc.a.run.app
· 319153c · Feb 12, 1:45 PM

infra-hardening-verify-preview
https://agent-builder-sb-infra-hardening-verify-preview-nvvjatryja-uc.a.run.app
· b143c89 · Feb 9, 1:13 PM

03 Prototype tooling

Prototype tooling

Tools menu embedded in prototype



Experiments is used for UX development to try out options for specific features. Not used for Eng development.

Comments can be added and viewed directly in the prototype

UI library holds all UX components and styles

Clear localStorage removes session changes (e.g. creating an agent)

Preview builds provides links to all of the Git branches which have live builds for UX to try out different experiments

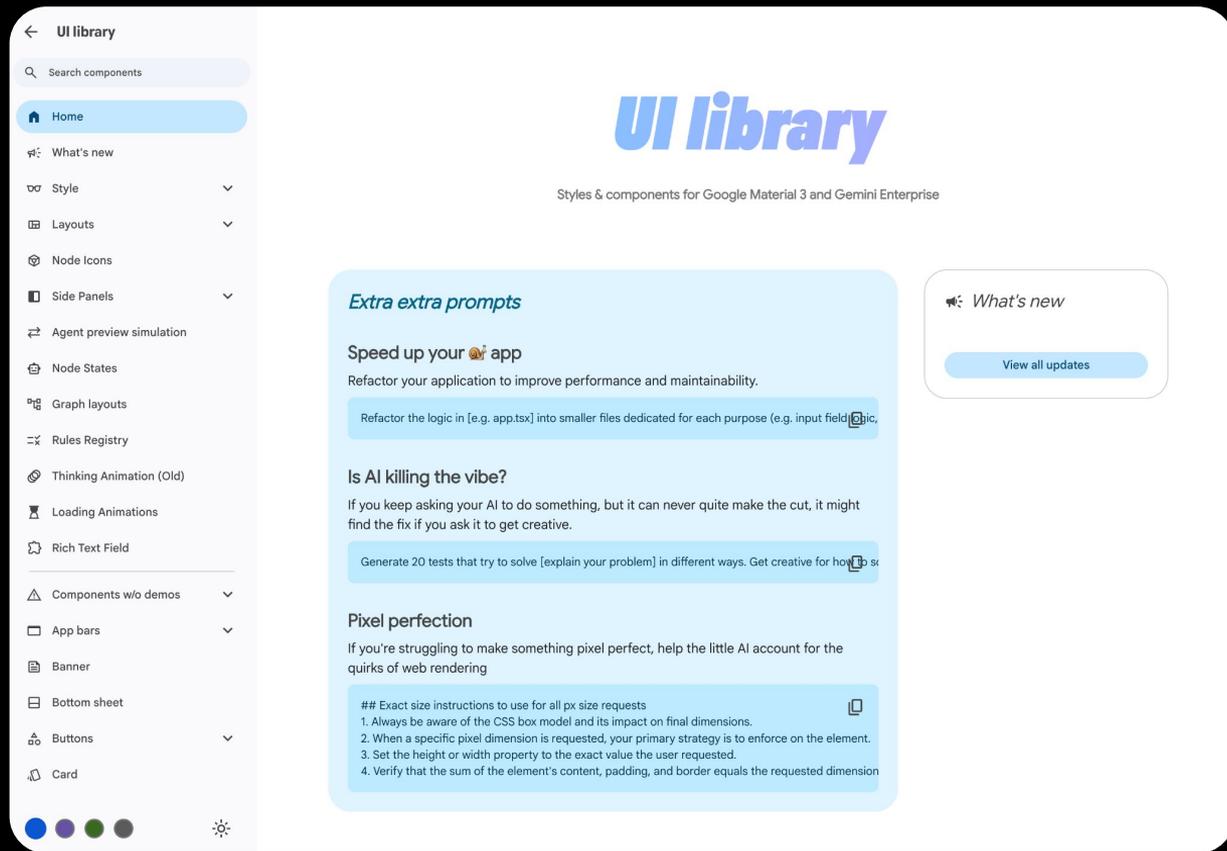
Visual inspector provides a custom built HTML inspector to show all properties for selected layers, view all layers / divs, and edit any parameters to preview and copy HTML for changed values

Annotate (Draw) provides built-in visual annotation tools which copy a screenshot to the clipboard

Prototype tooling

UI library provides access to all GM3 components / styles

- Style tokens for colors, motion, typography, corner radius
- All components have labeled variants and options
- Custom (vibe coded) components are automatically added

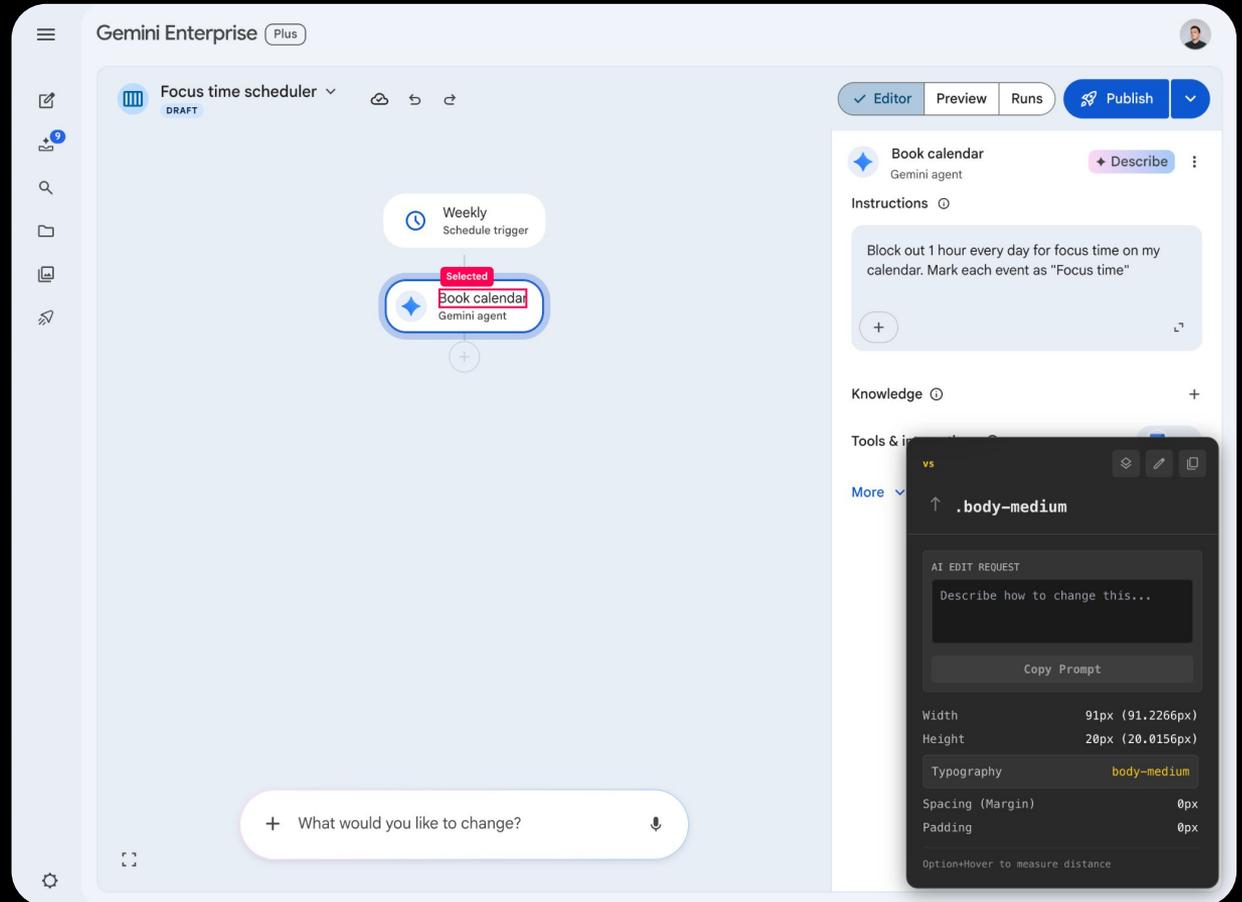


Prototype tooling

Visual inspector

enables inspection of any UI element in the prototype

- See all properties
- Shows color & typography token names
- Editing properties and copy HTML
- Show all layers
- Measure between selected layer with “option” key

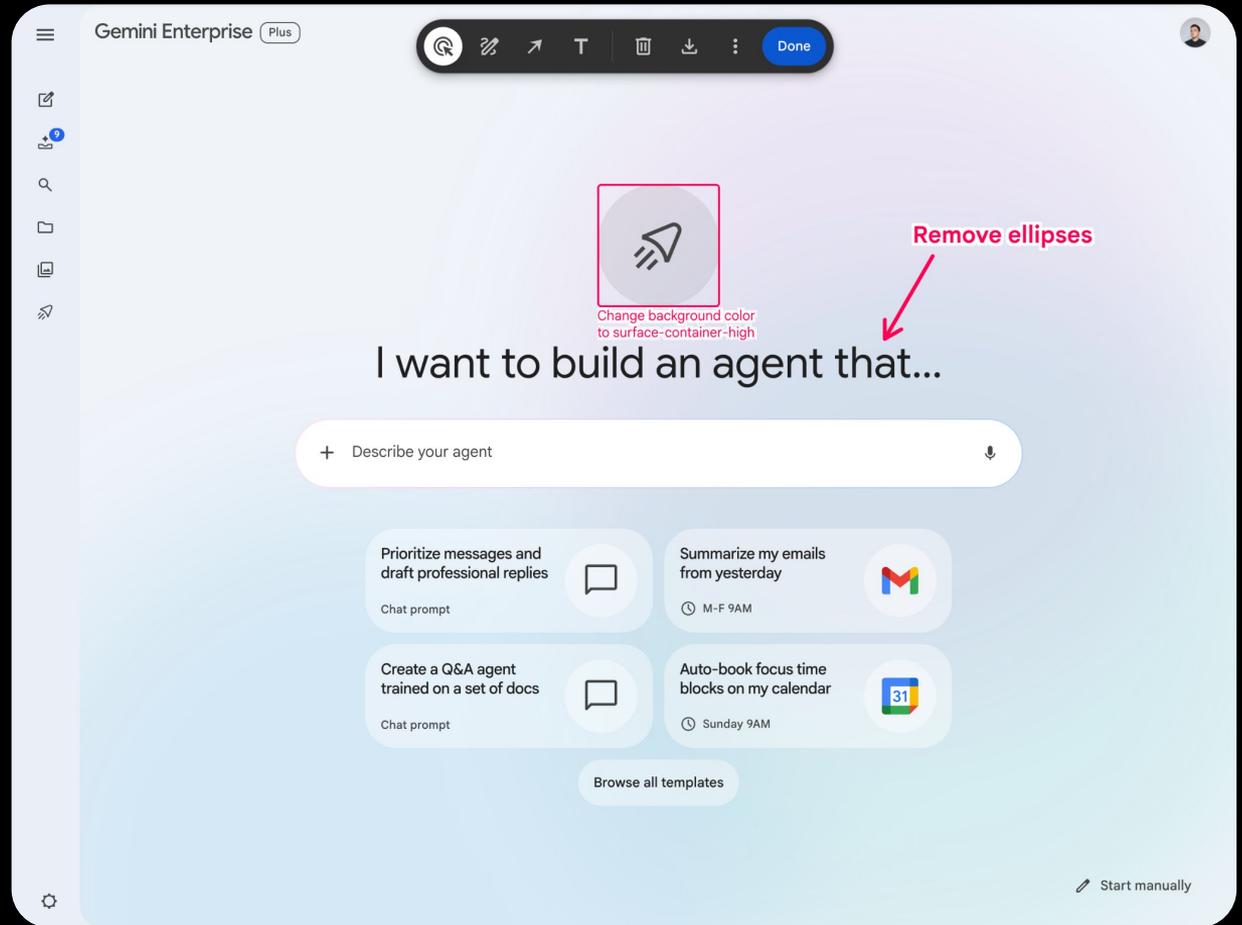


Prototype tooling

Annotate (draw)

enables drawing over the prototype and autosaves screenshots to the clipboard with every change

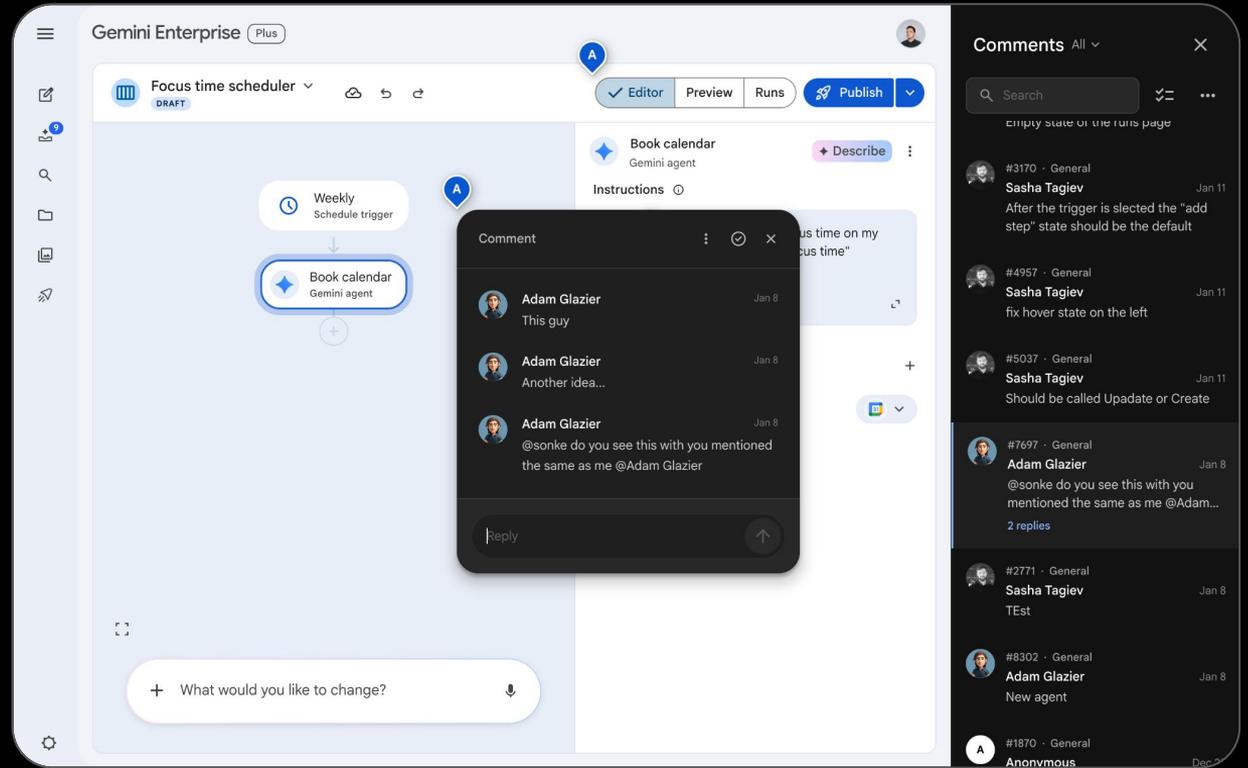
- Paste in Jetski (a picture says more)



Prototype tooling

Commenting

- Drop comments on specific UI elements in specific states
- @mention others
- Ease and use of Figma style comments
- Firebase under the hood



04 Additional tooling

PR Review

- **Automatically generated**
 -

05 What's next

What's next

- **Skills**
 - E.g. copy, components, branding, etc.
- **Commenting**
 - Mature current solution and integrate with gchat
- **Jules integration**
 - Automatically improve codebase
- **Telemetry**
 - Gain insights from unsupervised sessions
- **Close React/Angular bridge**
 - TBD
- **Simulation**
 - Generate multiple variants with x autonomous iterations

Please give it a try

GitHub: [go/cloud-ai-ux-repo](https://github.com/GoogleCloudPlatform/cloud-ai-ux-repo)

Please share feedback and create issues or pull requests.



Thank You

