



<https://tinyurl.com/gemini-remix>




# DevQuest Challenge: Gemini Remix

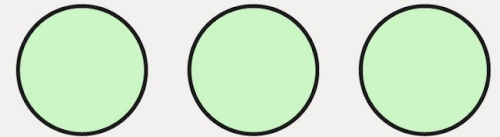
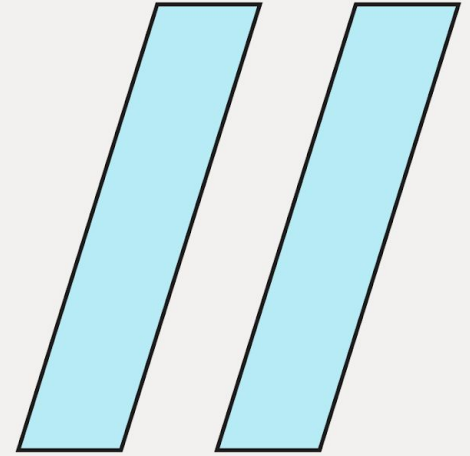
Mini-Hackathon



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**100 Minutes.  
1 App.  
 $\infty$   
Possibilities.**



# The Mission

- **Apply Immediately:** Take what Katie just taught you and make it real.
- **Create or Collaborate:** Work by yourself or turn to your neighbor who could be your co-founder for the next 100 minutes.



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# The Mission

- **The Challenge:** Build a Android app that solves a simple, real-world problem using Gemini and Firebase.



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# The Setup

- **Teaming:** Solo or Teams of 2-4.
- **The Strategy:** Do NOT create a new Android Studio project.
- **The "Remix":** You will branch/copy the "Pet Generator" code from the workshop and repurpose it.



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# The Setup

- **The Tech Stack:** Kotlin + Jetpack Compose + Gemini + Cloud Firestore.
- **What will give you an edge?:** Maximize your provided Google Cloud Credits!



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## Going Pro – Use your Credits!

- **Generative Images (High Impact):** : Instead of just text (e.g. recipe), generate the visual (e.g. the finished dish).
- **Upgrade the Brain:** Gemini Pro is optimized for reasoning and creativity. Accelerate your vibe coding even more!



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At the workshop, you'll get a special URL to get a credit!

`https://trygcp.dev/e/xxx`

MUST use GMAIL Account!!!

It's best to go with Incognito window



1

There's a button that says "Click Here to Access Your Credits!"

Click it!



2

Accept the terms and conditions!!

After accepting, if it ask you for credit card information, just close the tab!!

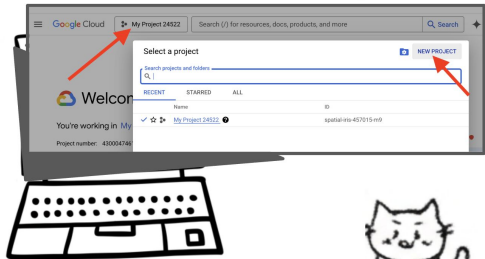


3

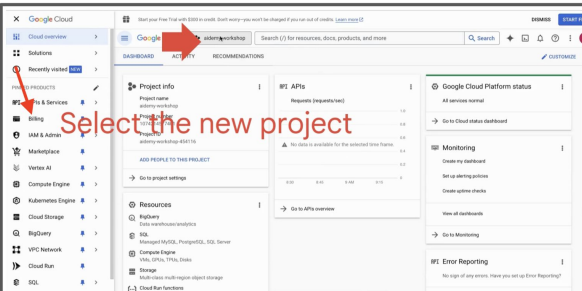
Head over to Google Cloud Console and create a new project!



Any Name!  
No org!



4

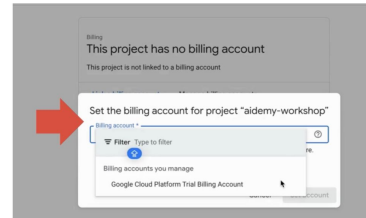


Select the new project and Click on **Billing** in the navigation menu



5

Link your project to Google Cloud Platform Trial Billing Account



6



# https://trygcp.dev/claim/devfest-davao



Sign in

Hi, welcome Cloud Community

(gcloudcommunity@gmail.com)



## GenAI workshop Arizona

Your credit will allow you to use Google Cloud [Free Tier products](#).

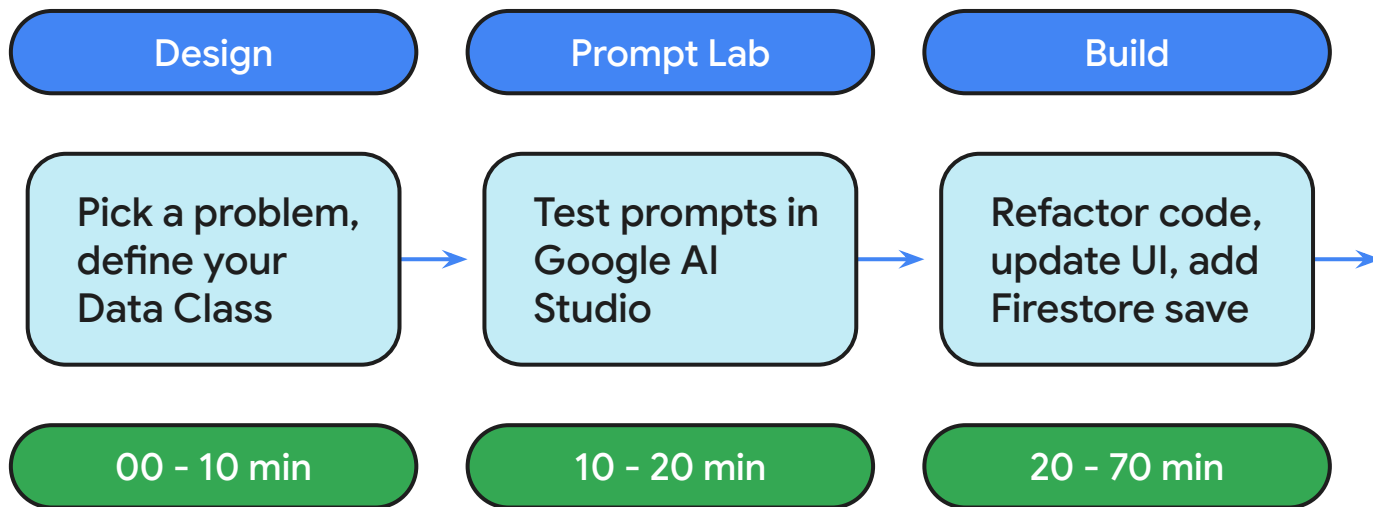
It has an amount of \$5.

Once redeemed, it will be valid for **180 days** or until the balance is depleted if you use non-free services.

CLICK HERE TO ACCESS YOUR CREDITS

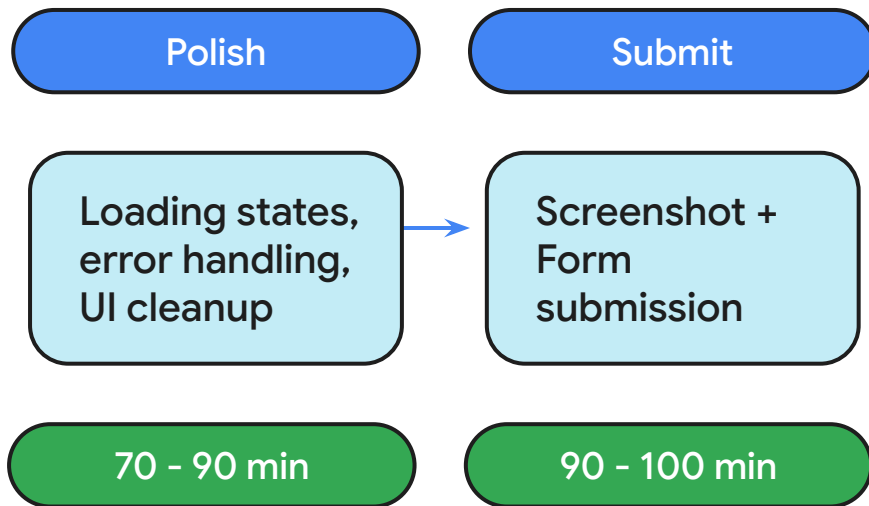


# 100-minute Sprint



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# 100-minute Sprint



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# Problem Prompt (Pick One)

## The Leftover Chef

Input Ingredients  
☐ Output Recipe

## Micro-Wellness

Input Mood/Time ☐  
Output 5-min  
Activity

## Travel Scout

Input Budget/  
Vibe ☐ Output  
Itinerary

# Problem Prompt (Pick One)

## Study Buddy

Input Notes ☐  
Output Quiz  
Question.

## Gift Genius

Input Recipient/  
Budget ☐ Output  
Gift Idea.

## Garden Guide

Input Plant Type  
☐ Output Care  
Plan.

# Guardrails

- **Model:** Use Gemini Flash or Gemini Pro.
- **Cloud:** Use Firestore (easiest integration).
- **Scope:** 1 Screen. 1 Input Flow. 1 Output.
- **Avoid:** Auth, Payments, Complex Navigation,
- You may use Video/Audio generation.



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# Deliverables

- **Submit via [Form](#):**
  - Team Name.
  - The Problem (1 Sentence).
  - The Prompt (Copy-paste exactly what you sent Gemini).
  - The Money Shot: 1 Screenshot of your app working.
  - Public GitHub Repo Link.



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The **Top 1 team** wins  
exclusive DevFest  
merch.



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Among the **Top 5 teams**,  
there will be **one** winner  
of **Google Nest Mini**.

Receive by December 2025



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Criteria	Points	Details
Functionality	30	Did they successfully "Remix" the Workshop code? The UI displays the specific fields of the new object (not just a raw string).
Cloud & Credit Flex	25	<p>How well did they utilize the Google ecosystem? The "Save" button works and data appears in Firestore.</p> <p>Credit Flex: Used gemini-1.5-pro OR generated Images (Activity 8).</p>

## Judging Criteria



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Criteria	Points	Details
Prompt Engineering	25	How smart is the instruction sent to the model? The prompt effectively constrains the model to the specific persona/task. Handles edge cases (e.g., asks for specific formats, avoids markdown syntax issues).
UX & Polish	20	Is the demo smooth? Handling "Loading" states (no UI freezes). Clear input fields and a visually distinct Result Card. The submitted screenshot looks like a real, usable app.

## Judging Criteria

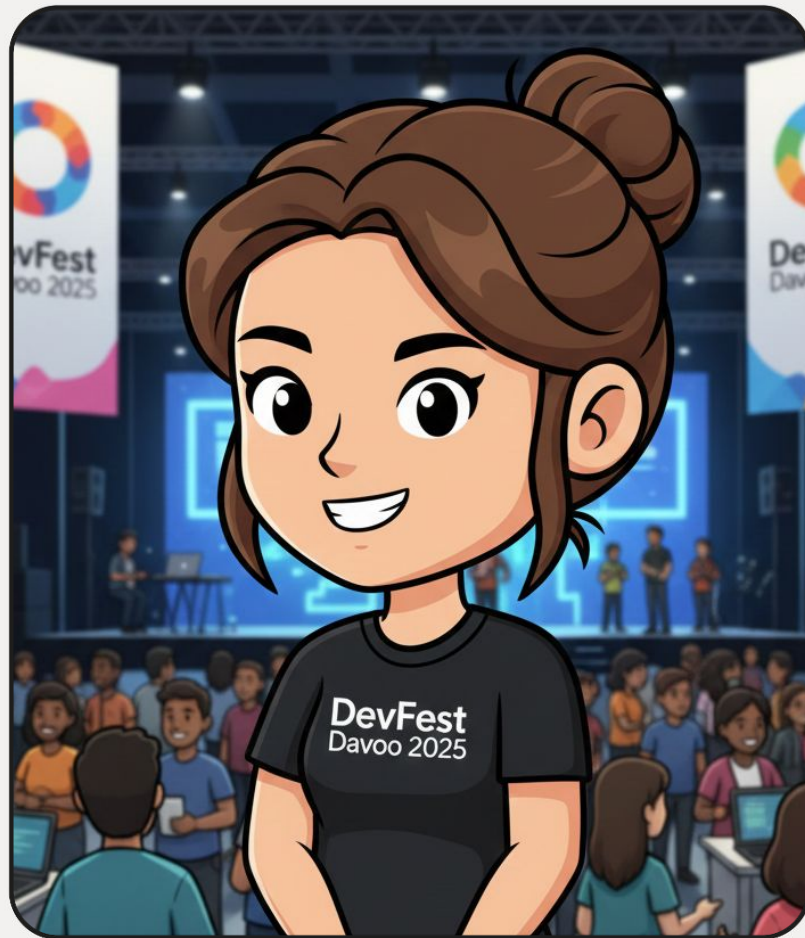


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Meet **Alex**, a DevQuest  
Challenger!



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## What would Alex do?

- **Alex's Status:** Has Android Studio open with the "Uncommon Companion" (Pet Generator) app from Katie's workshop.
- **Mindset:** "I have 100 minutes. I am not reinventing the wheel, but excited to add my take on this challenge."

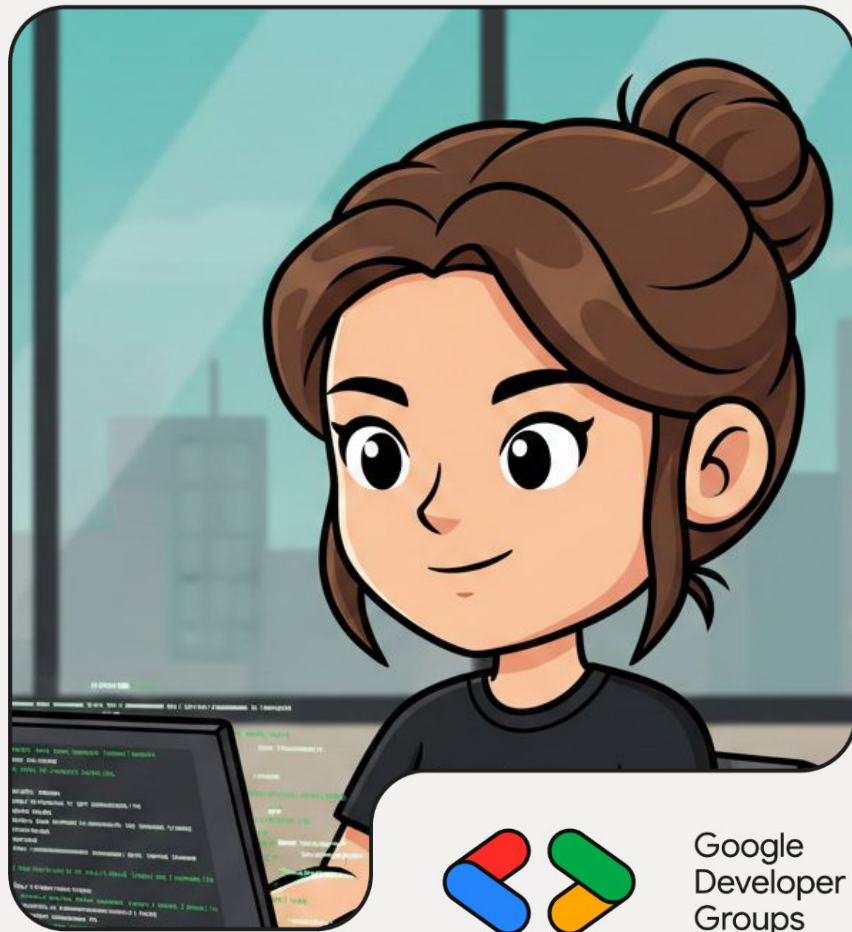


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## Design (0-10 min)

Alex chose the Gift Genius Challenge. She creates a new git branch called `gift-genius-remix`.

She no longer need to create a new Android Studio project.



## Prompt Lab (10-20 min)

- Alex opens Google AI Studio. She pastes her target logic.
- She had some prompt draft prepared and adapts the structured prompt from Katie's slides.



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## Prompt Lab

- Gemini returns a clean JSON object proposing a "Handwoven Abaca Bag." Alex copies the prompt string to her clipboard.



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## Build (20-70 min)

- Alex changes the logic of the app from the workshop. She renames the data class names updates the UI inputs to match.
- She pastes her new prompt and adds a quick fix to strip out markdown symbols so the JSON parses correctly.



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# Build

- To satisfy the challenge requirements, she initializes Firestore and wires the "Save" button to write her generated gift to a "wishlist" collection.



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## Polish (70 - 90 min)

- Alex smooths the edges of the app. He watches the data appear instantly in the Firebase Console. Backend confirmed.
- The app froze while Gemini was thinking, so he adds a "Loading" spinner.



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## Going Pro – Using Credits!

- Alex uses her Google Cloud credits and thinks, "Why just read about the gift? Let's see it."
- She adds Coil (from Activity 8) to `libs.versions.toml` to handle image loading.



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# Polish

- To make it her own, she swaps the workshop's "Pet Green" theme for a "Gift Wrap Purple."



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## Submission (90 - 100 min)

- Alex ships it soon. She runs one last "Happy Path" scenario (Input: "Secret Santa" → Output: "Tumbler").
- She takes one clean screenshot of the result a.k.a. her "Money Shot."



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# Submission

- She pushes the code to GitHub, pastes the repo link and screenshot into the form.
- She hits Submit before the clock runs out.



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**Ready?  
Set...  
Go!**

