APPENDIX: PROMPTS LOG

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Project: Serverless & Containerized Food Ordering Platform **AI Assistant:** Google Gemini / google antigravity

1. PROJECT INITIATION & CODING

- **User:** "Plz make my following project: Serverless/Containerized Food Ordering Platform. I have access to aws learner lab... guide me step by step."
- **User:** "Yes proceed"
    - *AI Action:* Generated initial Scaffolding, server.js (Backend), app.js (Frontend), and Dockerfiles
- **User:** "Can u explain all these steps in detail?"
    - *AI Action:* Created instructions.md with a specific guide for AWS Learner Lab Console actions.

2. DEPLOYMENT & TROUBLESHOOTING

- **User:** "Container - 1: Image URI... there are no images in food ordering backend cluster."
- **User:** "I still dont see any images on the backend repo even after refreshing."
    - *AI Action:* Diagnosed that the user had not run the separate deploy.ps1 script to push images to ECR before creating the ECS Task.
- **User:** "How to do this last step... update Frontend code... rebuild."
    - *AI Action:* Explained how to retrieve the Backend Public IP from ECS Fargate and update the Frontend API_URL configuration.
- **User:** "Application is running... but i still cant add items to card."
    - *AI Action:* identified a type mismatch bug in JavaScript (String vs Number ID comparison) and fixed app.js.
- **User:** "Why are there only two things shown... and both of them do not have their images loading."
    - *AI Action:* Updated the database seeding logic in server.js to include 5 menu items with valid Unsplash image URLs.

3. ARCHITECTURE & DIAGRAMS

- **User:** "Can u explain to me where every tool is used... generate architecture diagram."

    - *AI Action:* Generated a Mermaid-based architecture diagram and explained the role of Docker, ECR, and ECS.
- **User:** "Give the jpg of this diagram so i can download."
- **User:** "Can u remake this aws architecture diagram... use the aws icons to make the diagram."
    - *AI Action:* Redesigned the diagram (architecture_diagram.png using official AWS colors (Orange/Blue) and improved the layout to Left-to-Right flow.

4. DOCUMENTATION & DELIVERABLES

- **User:** "Make the following for this project: pdf report, ppt, prompt log, poster... make this all in a seperate folder."
    - *AI Action:* Created the Deliverables folder and generated initial drafts.
- **User:** "The poster is supposed to look like this.. generate one which looks like this for our project."
    - *AI Action:* Redesigned the HTML Poster to match the user's uploaded "Academic Style" image (3-column layout).
- **User:** "Now lastly just generate the ppt for the projevt with ppt extension."
    - *AI Action:* Used a Node.js script to generate a genuine .pptx file.
- **User:** "Can u list down all the aws servives and all the other tools we used in this whol proeject."
    - *AI Action:* Provided a comprehensive technology stack list.

5. FINAL REPORT COMPLETION

- **User:** "Write a full report for me... technical report... give the report in the chat."
    - *AI Action:* Generated the main Technical Report text with TOC.
- **User:** "Write the following doc for me... aws architecture design... implementation steps."
    - *AI Action:* Generated the Step-by-Step Implementation guide with placeholders for screenshots.
- **User:** "Five content to make the slides for this project... powerpoint presentation."
    - *AI Action:* Provided slide-by-slide text content.
- **User:** "Now geerate the following content... project proposal, executive summary."
- **User:** "Now lastly give content for copy and paste for... PROMPTS LOG." (Current Request)