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Local Food AI: Retro Planning

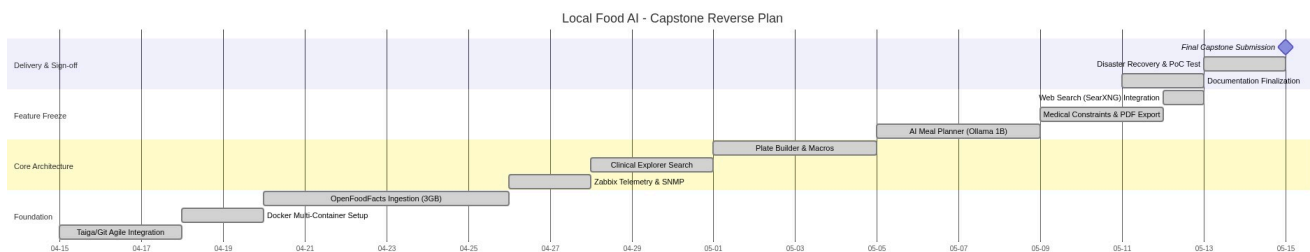
Document compiled in accordance with BTS-AI DOPRO Guidelines on Backward/Reverse Planning.

1. Concept of Retro Planning

As defined in the course material, Retro Planning (Backward Planning) is constructed in reverse chronological order from a fixed deadline. This ensures that the D-Day (Capstone Submission) is immutably fixed, and all prior sprints and tasks are mathematically bound to ensure the feasibility of the project.

Our delivery date is set for **May 15th, 2026**.

2. Reverse Chronological Timeline (Gantt Structure)



3. Resource & Buffer Analysis

- Milestone Buffers:** By utilizing a reverse plan, we identified that the massive 3GB OpenFoodFacts dataset required a 6-day window for background ingestion without blocking the frontend development.
- Leeway Analysis:** The final 2 days (May 13 - 15) are strictly reserved for Disaster Recovery (DR) drills and Multi-VM Proof of Concept (PoC) validation, ensuring the presentation runs flawlessly regardless of infrastructure hiccups.