

Local Food AI: Retro Planning

Project Deliverable

Course B1AI

Class:

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Table of Contents

- • Concept of Retro Planning Page 2
- • Reverse Chronological Timeline (Gantt Structure)
..... Page 2
- • Resource & Buffer Analysis Page 2

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Local Food AI: Retro Planning

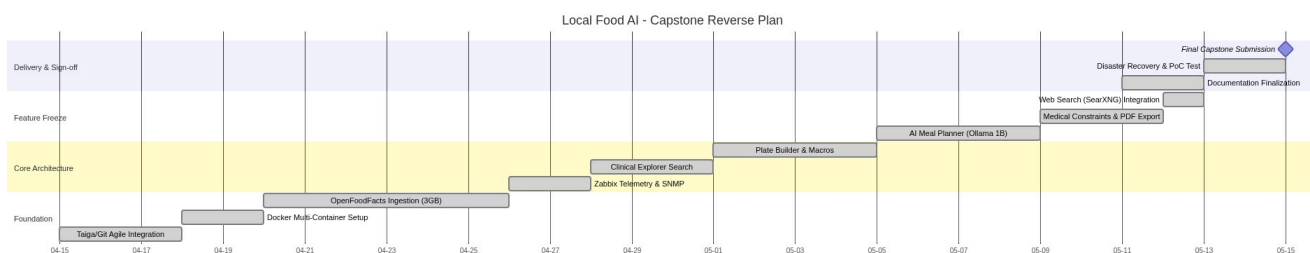
Document compiled in accordance with *BTS-AI DOPRO Guidelines on Backward/Reverse Planning*.

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.

References

- **OpenFoodFacts Dataset & API Catalog:** Detailed food ingredients database. (<https://world.openfoodfacts.org/>)
- **Ollama Local LLM Inference Engine:** Lightweight instruction-following llama3.2 runtimes. (<https://ollama.com/>)
- **Zabbix Enterprise Telemetry and Monitoring:** System health and performance logging. (<https://www.zabbix.com/>)

Index

- **AI:** Page 2, Page 3
- **MySQL:** Page 3
- **Zabbix:** Page 2, Page 3
- **Docker:** Page 3
- **Streamlit:** Page 3
- **Nginx:** Page 3
- **RAG:** Page 3
- **Allergens:** Page 3
- **Vitamins:** Page 3
- **Minerals:** Page 3
- **Clinical:** Page 3
- **WSL:** Page 3
- **Ollama:** Page 2, Page 3
- **LLM:** Page 2, Page 3
- **Database:** Page 2, Page 3
- **Security:** Page 3
- **Telemetry:** Page 2, Page 3
- **Backup:** Page 3
- **Firewall:** Page 3
- **SMTP:** Page 3