

Main Branch

Sprint 0 – Project Foundation

Purpose: Set the foundation so all future work is clean, stable, and scalable.

Status:  Complete

Objectives

- Establish a clean project structure
- Ensure the application builds and runs
- Prepare for database + API work

Required Tasks (Checklist)

- ☐ Create Spring Boot project (Gradle)
- ☐ Verify Java version compatibility
- ☐ Configure application.yml / application.properties
- ☐ Set up basic package structure
 - controller
 - service
 - repository
 - model
 - config
- ☐ Configure logging
- ☐ Verify app runs with ./gradlew bootRun
- ☐ Initialize Git repository
- ☐ Add .gitignore

Deliverables

- Application starts successfully
- No runtime errors
- Clean package structure – **Check today.**

Exit Criteria (Must Be True)

- **App runs Docker-first** (will not run locally, with intention). The local environment variable is slightly different from Docker environment variable. Docker needs the specified env var to run the image.
- **Architecture** for:
 - **Models** – Represents the data entities. Contains only fields, constructors, getters / setter methods.
 - **Config** – Java beans are placed known as the Inversion Control Container. Eliminates XML need.
 - **Repository** (Entity bean storage) – Storage of the entity beans in the system.
 - **Controllers** (Presentation Layer) – Manages flow of apps by handling user requests and coordinating data to presentation view.
 - **Services** (Business use cases) – User interactions with application functionality.