README:

Cafe Management System

Overview

This project is a Cafe Management System built using Spring Boot and Spring Data JPA, which provides functionality for managing cafes, orders, events, vendors, payments, and related entities. The system follows an MVC (Model-View-Controller) architecture, with Thymeleaf templates used for the frontend.

Step 1: Clone the Repository

Clone the repository to your local machine using the following command:

bash:

git clone <repository\_url>

cd cafe-management-system

Step 2: Configure the Application

The default application uses an H2 in-memory database. For production, modify the application.properties file to connect to your preferred database.

properties:

# H2 Database Config (Default)

spring.datasource.url=jdbc:h2:mem:testdb

spring.datasource.driver-class-name=org.h2.Driver

spring.datasource.username=sa

spring.datasource.password=

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect

# spring.datasource.url=jdbc:mysql://localhost:3306/your\_database

# spring.datasource.username=your\_username

# spring.datasource.password=your\_password

# spring.jpa.hibernate.ddl-auto=update

Step 3: Build and Run

Use Maven to build the project and run the Spring Boot application.

bash:

mvn clean install

mvn spring-boot:run

Step 4: Access the Application

Once the application is running, open your browser and navigate to:

http://localhost:8080

Step 5: Frontend Layout

Add the provided HTML layout templates to the src/main/resources/templates folder

Notes for Developers

Database Initialization: The application auto-creates relationships based on the entity classes.

Custom Queries: Custom queries for specific operations are included in repository classes.

Error Handling: Ensure proper exception handling while extending this project.