

High-Level Design Document

Indian Flavor Scape is a restaurant that aims to digitalize the ordering process by providing a web application for customers to select their preferred flavors. Customers can Sign Up/log in, place combination dish orders, and check order status, while staff can view and update orders on the server-side.

Architecture Overview: The Architecture of the application divides into 3 main layers

User Interface (UI):

Develop an intuitive and user-friendly interface using React.js. This component will allow customers to log in, select their preferred flavors for a combination dish (main + additive1 + side1), place orders, and check order statuses.

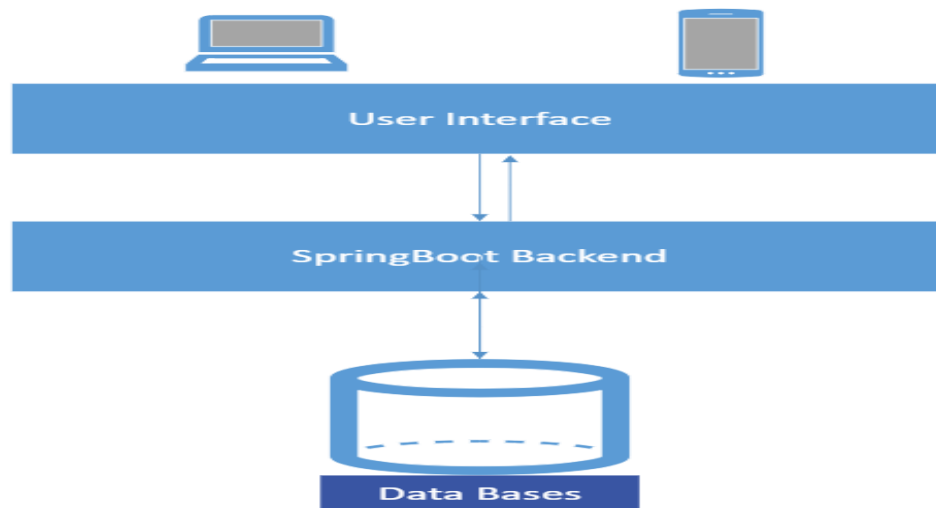
The User interface on a valid click hits the back end with a http protocol and receives the response from backend.

Server-side Backend:

Implement the server-side functionality using Spring Boot. This component will handle user authentication, order management, and communication with the database. It will provide APIs for processing customer orders, updating order statuses, and retrieving order information.

The backend connected with database with a JDBC connector.

System Architecture Diagram:



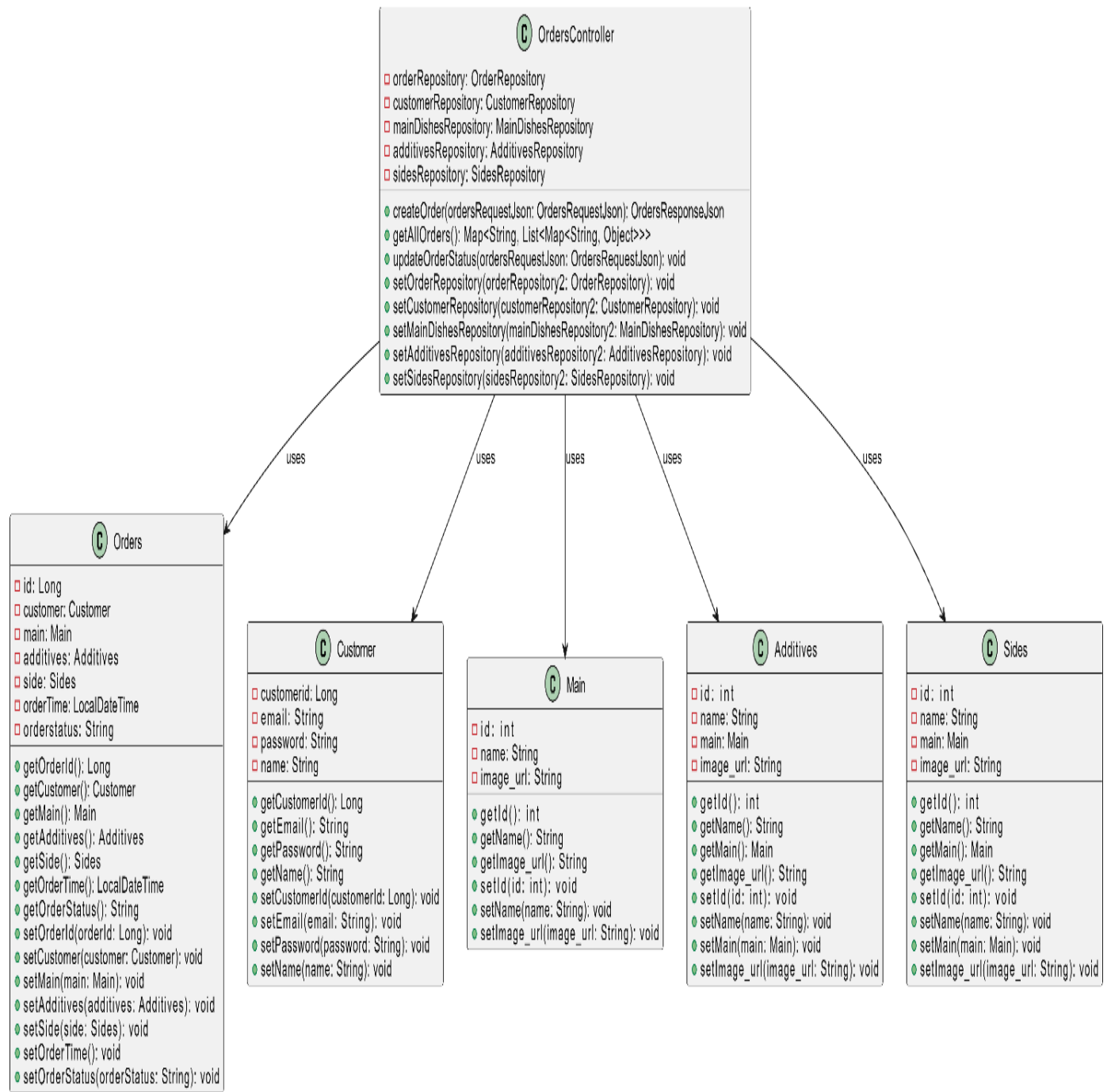
UML Class Diagram-1:



UML Diagram 2:



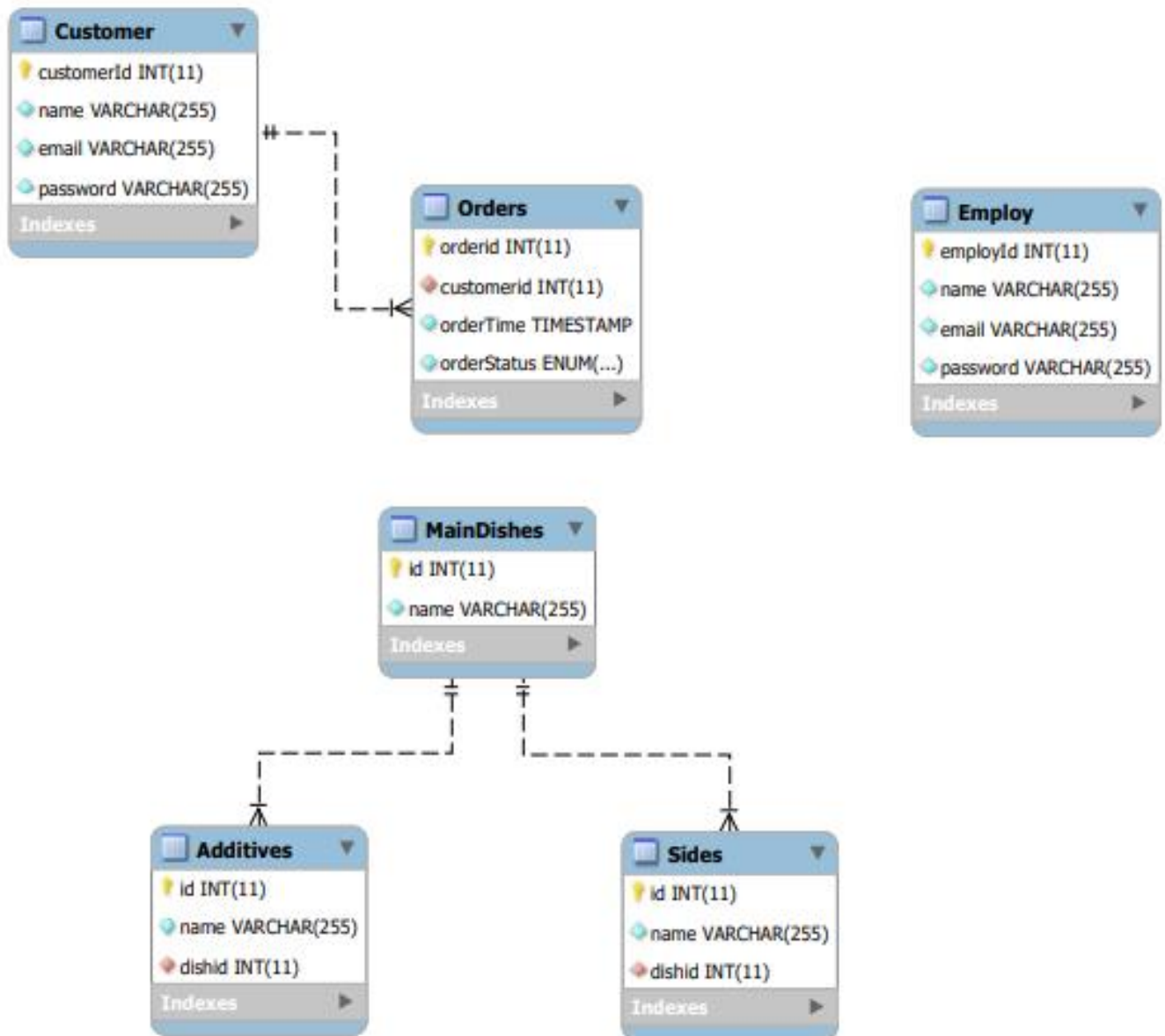
UML Diagram 3:



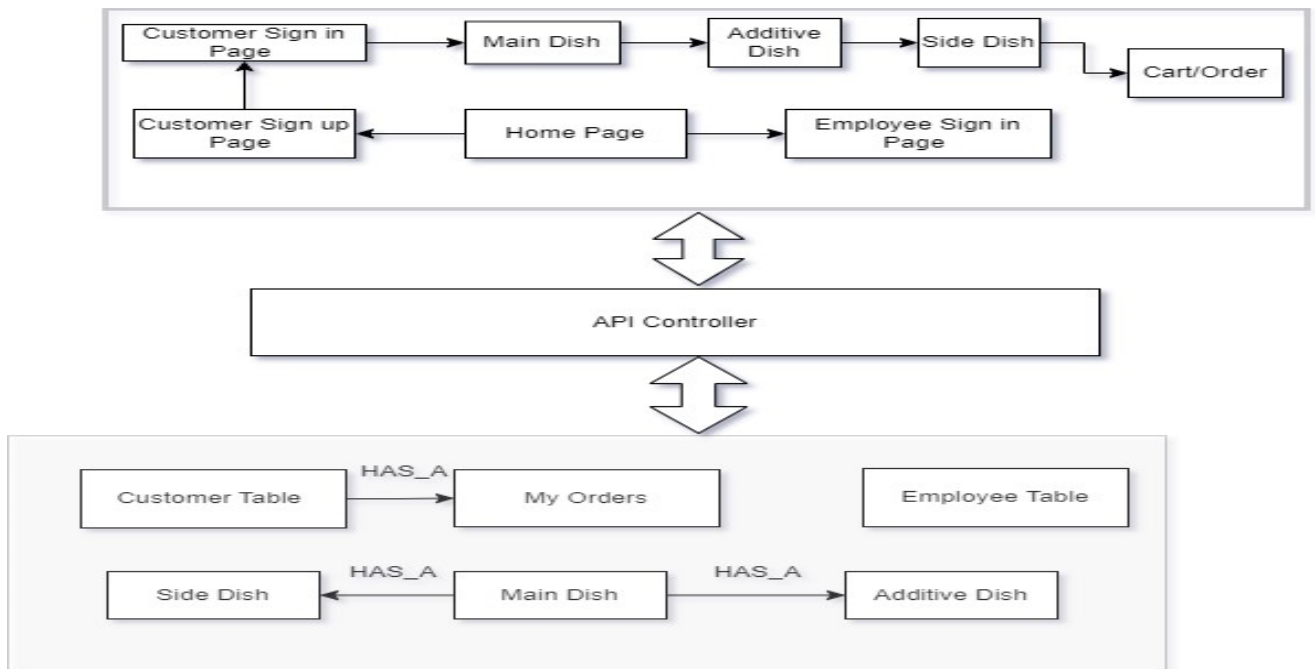
Database Integration:

Establish a connection with MySQL database to store and retrieve order data. This component will handle the persistence of order details, customer information, and order statuses. It will ensure data consistency and integrity.

Data Base Architecture Schema diagram:



Architecture Diagram:



Flow Diagram:

