

ABSTRACT SYSTEM DESIGN OF FOOD PANDA APPLICATION

In abstract system design we are going to explain the architecture, interfaces and functionalities of our project. Application FOOD PANDA consist of following four layers:

- ✓ User Interface Layer
- ✓ Application Layer
- ✓ Database Layer
- ✓ Integration Layer

User Interface Layer

This layer is responsible for presenting the application's user interface to the end-users. It includes all the screens, pages, and components that the user interacts with, such as the login page, home page, menu pages, order pages, etc. This layer interacts with the application layer through various API calls and user events.

Application Layer

This layer contains the core logic of the food panda application, including the business rules, workflows, and data processing. It acts as a bridge between the user interface layer and the database layer, processing the requests from the user interface layer and returning the appropriate responses. It also handles authentication and authorization of users, manages sessions and maintains the application state.

Database Layer

This layer consists of the database and associated database management systems that store and manage the application's data. It includes all the tables, views, stored procedures, and other database objects required to support the application's data requirements. The application layer communicates with the database layer through APIs or other frameworks to perform operations on data

Integration Layer

This layer is responsible for integrating the food panda application with external systems and services, such as payment gateways, SMS gateways, email services, etc. It provides the necessary communication channels and protocols to connect the application with external systems and handle the data exchange between them.

ABSTRACT DESIGN DIAGRAM

