ABSTRACT SYSTEM DESIGN OF FOOD PANDA APPLICATION

Abstract system is a view of overall architecture of a system, including components, modules and interaction between them. Following are the steps to create an abstract system design for Food Panda Application:

- Identify the System Components
- Define the Architecture
- Defining Modules and Interactions
- Document the System Design

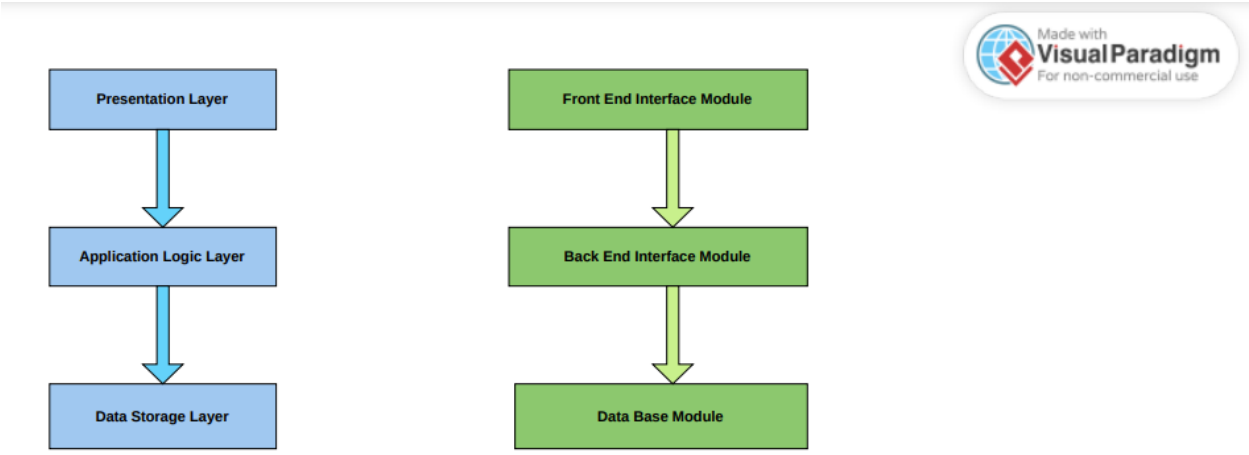
✓ **Identify the System Components:** The first step is to identify the major system components that make up the Food Panda app. These components include the front-end interface, the back-end server, the database, and any external services that the application depends on.

✓ **Define the Architecture:** The Food Panda app can be built using a three architectures, consisting of a presentation layer, a business logic layer, and a data storage layer. The **presentation layer** is responsible for providing the user interface for the app and handling user input. The **business logic layer** is responsible for processing user requests, managing data, and coordinating the interactions between the different components of the system. The **data storage layer** is responsible for managing the app's data and providing access to the data through an API (Application Programming Interface).

✓ **Defining Modules and Interactions:** Next step is to define the modules that make up each layer of the system and the interactions between them. For example, the front-end interface module can interact with the back-end server module through an API to send user requests and receive responses. The back-end server module can interact with the database module to store and retrieve data.

✓ **Document the System Design:** The final step is to document the design in a diagram. Format for documenting an abstract system design is a block diagram or by a flowchart.

ABSTRACT SYSTEM BLOCK DIAGRAM



In the above diagram, the three architecture as shown above the presentation layer, business logic layer, and data storage layer. The front-end interface module is shown as part of the presentation layer, the back-end server module is shown as part of the business logic layer, and the database module is shown as part of the data storage layer.