**Architecture:**

Web Service Layered Architecture:

Service Layer

Business Domain Layer

Data Access Layer

Our project2 was to develop Business Domain Layer and Data Access Layer. Our project is divided into 3 modules:

**• DAO**: Data Access Object, aims at establishing connection to database and running queries on it.

**• Model**: This module creates the model of our project, consists of all the basic java classes to manage Product, Partners, Customer, Manage Order details.

**• Services:** This module provides all the required functionalities like search product, add customer, add partner and Buy product and more.

We have used Hibernate ORM to perform object relational mapping and query databases.

**Implementations:**

1. Created all required Model classes and corresponding database structure establishing the relationships between the models . (DDL doc added in doc folder of the project)

2. We have successfully implemented following functionalities:

• Search Product

• Check availability

• Buy Product

• Payment

• Create Order

• Fulfill order

• Provide Status

• Add Customer

• Add Partner