1. **Database**

**Description**- Oracle Database is a RDBMS database is used to store User details, Product details, Categories, Order details, Payment details. This database will provide the backend support to our shophub web application. This will be at backend side, which will be connected to the Servlet which will further connect to the shophub client UI. This will help to manipulate all data and provides CRUD operations.

**Tables-**

* **User-** user tables contains all the user related information like name, contact, password and so on.

This table manipulate all user details and provide CRUD operation related to user. This table is also connected to the product table, order table and payment table to keep track of all the users.

* **Product-** product table contains all product details and this is connected to categories table.
* **Categories-** This table maintain all categories of product. It will help to differentiate product based on the categories and user can easily search required product.
* **Order-** This table will handle all the orders placed by the user. It will keep all records of order details.
* **Payment-** This table stores all payment details of product which is added by the user to the cart.

1. **Java**

**Interfaces-**

**IShopHub-**

-Add()  
 -remove()

-read()

-update()

**IProduct-** add(), read(), remove()

**Classes-**

**User** - to take user details and manipulate user data.

**Product implements Iproduct-** CRUD opreation related to product.

**Order-** place order and remove order. Connected to the payment class.

**Payment –** all payment related services. Total amount of all added product.

**ConnectionFactory-** gives connection to the database.

**DAOUtility-**

**UserDAO-**

**ProductDAO-**