***DAO***

1. **Interface- CustomerDao**

**Method- getCustomerById()**

Parameters- int id

Returns- String

Description- This method throws SQL exception and entity not found exception in case customer is not present in the database. It takes the customer id and matches it with the database.

**Class – CustomerImpl implements CustomerDao**

1. **Interface - EmployeeDao**

**Method-** login

Parameters- int id, String password

Returns- Employee Object

Description-This method authenticates an employee by matching their id and password.

**Class –EmployeeImpl implements EmployeeDao**

1. **Interface InvoiceDao**

**Method- displayInvoices(int order\_id)**

Parameters- int order\_id

Returns- Invoice object

Description- This method displays invoices of the given order Id.

**Class InvoiceImpl implements InvoiceDao**

1. **Interface OrderDao**

**Method- getOrders()**

Parameters- None

Returns- List<Orders>

Description- This method retrieves all orders without list of products. It throws SQL exception as well.

**Method- getOrdersWithoutProductListByCustomerId()**

Parameters- int id

Returns- void

Description- This method retrieves all orders without list of products with the help of customer id. It throws SQL exception as well.

**Method-setQuoteStatus(int order\_id)**

Parameters- int order\_id

Returns- void

Description- This method sets the quote status

**Method- displayQuoteDetails(int customer\_id)**

Parameters- int customer\_id

Returns- void

Description-This method displays the quote details of particular customer.

**class OrderImpl implements OrderDao**

Description- This method changes the status to expires if order approval fails and takes order id in exchange. It throws SQL exception.

1. **Interface ProductDao**

**Method- getAllProducts()**

Parameters- none

Returns- List<Product>

Description- This method retrieves all product details. It throws SQL exception as well.

**Method- addProducts()**

Parameters- Set<Product> products

Returns- void

Description- This method retrieves adds product details to the database. It throws SQL exception as well.

**Class ProductImpl implements ProductDao**