**Project Report**

# **Project Title**

Online Furniture Store

# **Name of the Website**

Furniture Store

# **Project Description**

Online furniture shop is a web based project that allows users to check for various furniture available at the online store and can purchase furniture online. The project consists of the lists of furniture products displayed in various models and designs. The website displays all the information about furniture including furniture description, price and delivery information, etc.

There are two type of users in this system i.e. Customer and Admin. This project has implemented all the requirements including the CRUD functionalities for the admin user, products listed with filtering and search functions, and items added to the cart.

# **Database Design**

The database design involves creation of tables. Tables are represented in the physical database as stored files. They have their own independent existence. A table consists of rows and columns. Each column corresponds to a piece of information called field. A set of fields constitutes a record. The record contains all the information, specific to a particular item. The SQL statements required to create and populate these tables are provided in an attached file.

Database Name: shopping\_cart

Table Name: users

Primary Key: user\_id

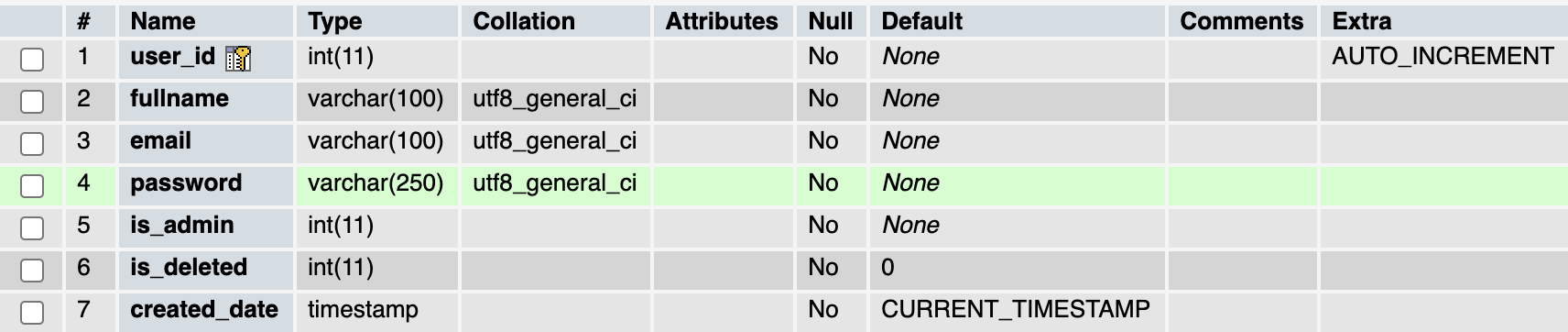


Table Name: product\_category

Primary Key: category\_id

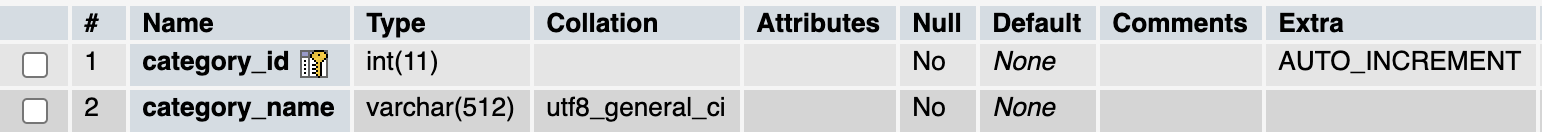


Table Name: products

Primary Key: product\_id, Foreign Key: category

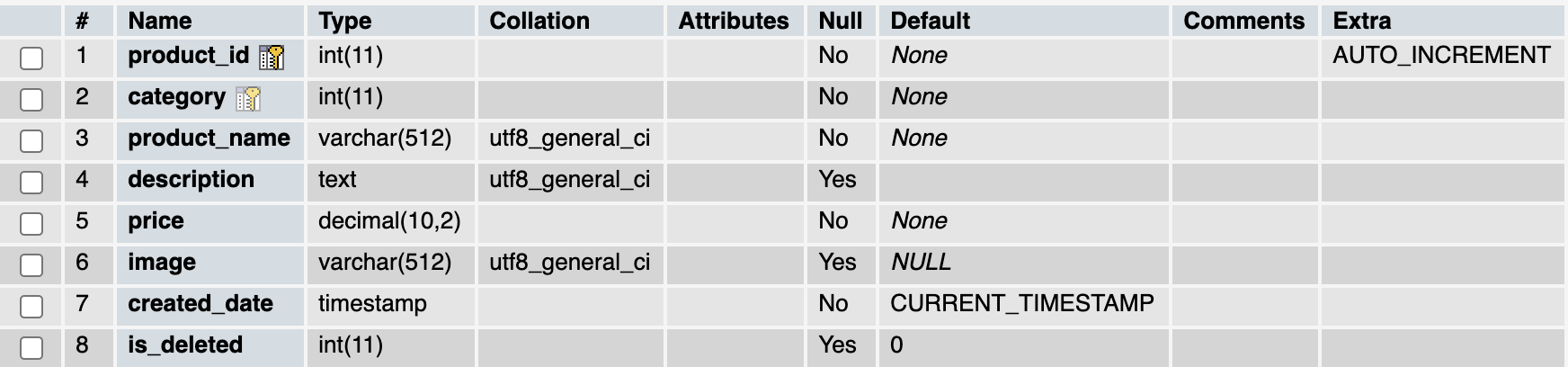


Table Name: order\_item

Primary Key: order\_item\_id, Foreign Key: order\_id, product\_id

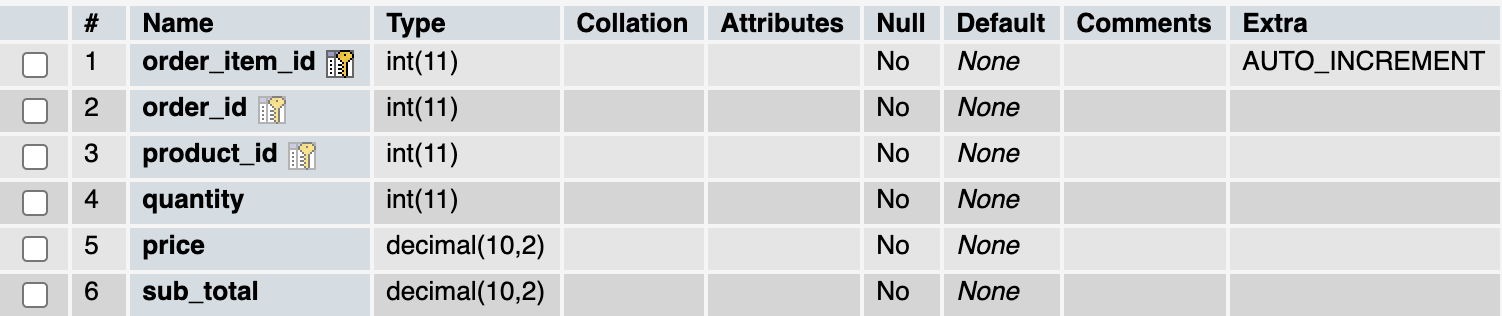
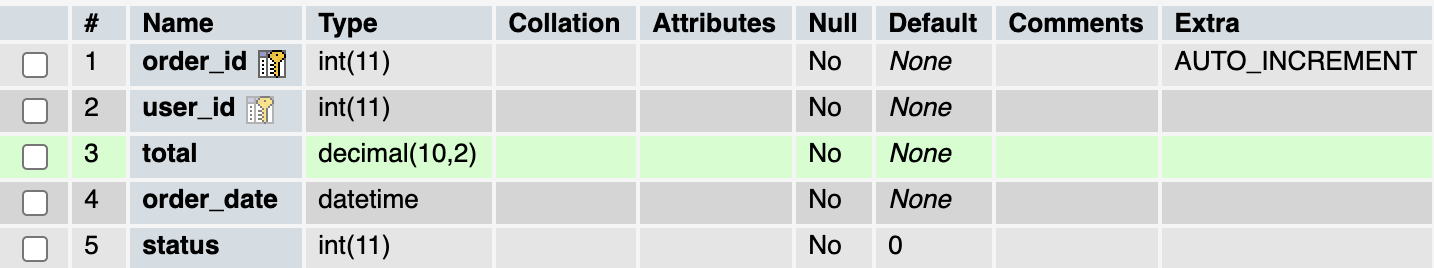


Table Name: orders

Primary Key: order\_id, Foreign Key: user\_id



# **Languages/frameworks used for implementation**

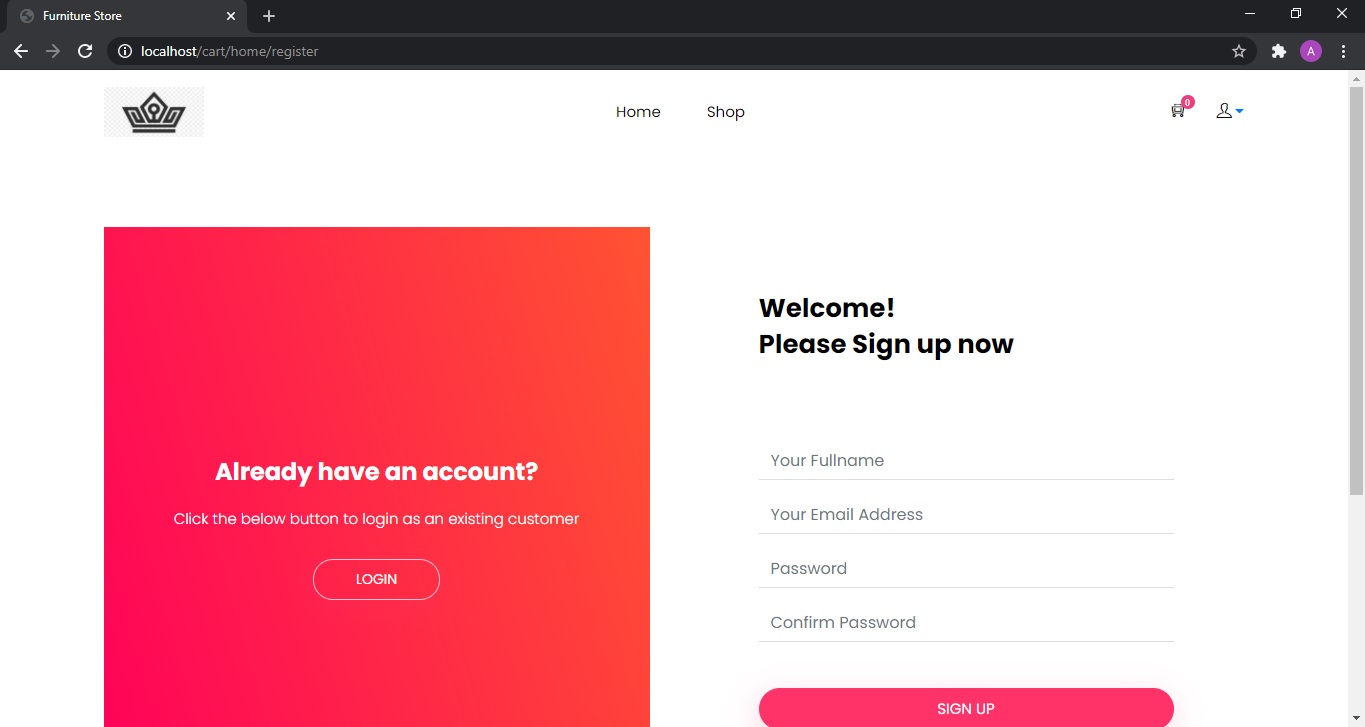
Front-end : PHP

Back-end : MySQL server

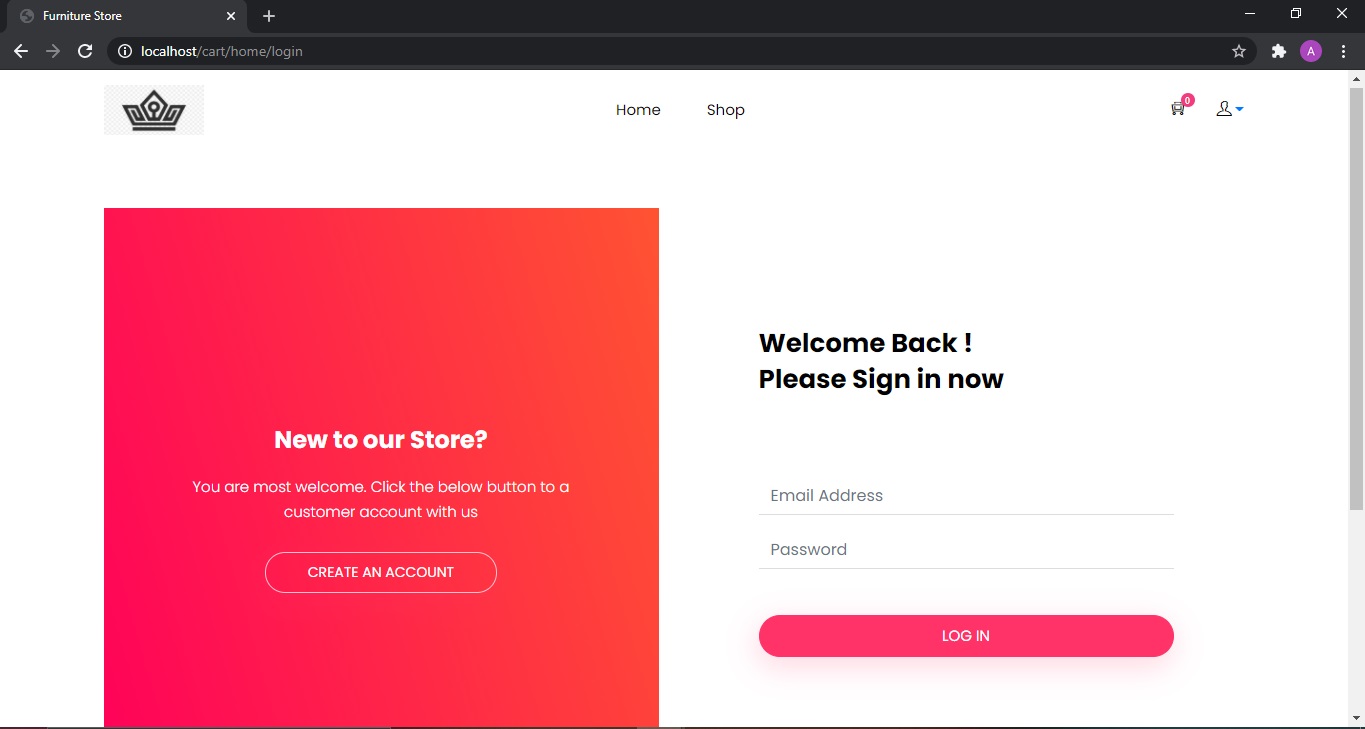
Framework : CodeIgniter

# **Main functionalities**

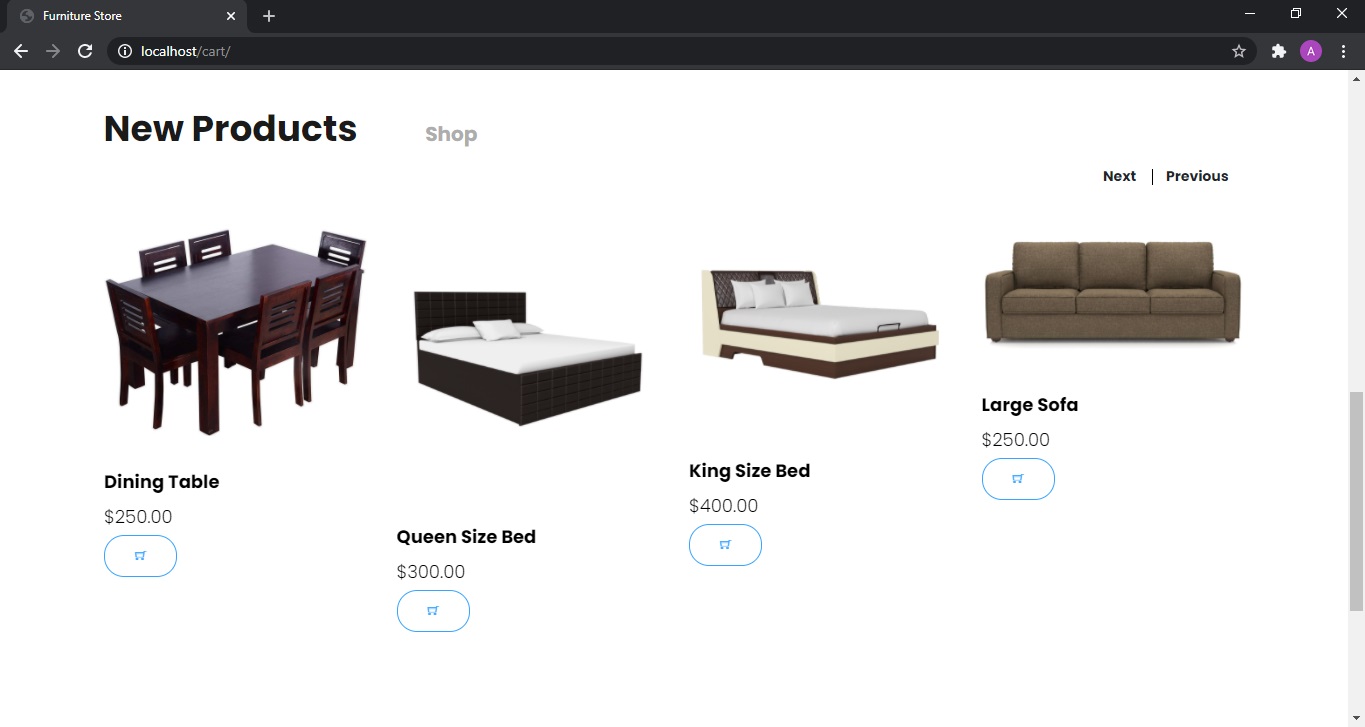
* Signup -- Here new users can access the website by registering using name, email address and password. The form consists of field validation. It will check if the existence of username, password strength and mandatory fields.



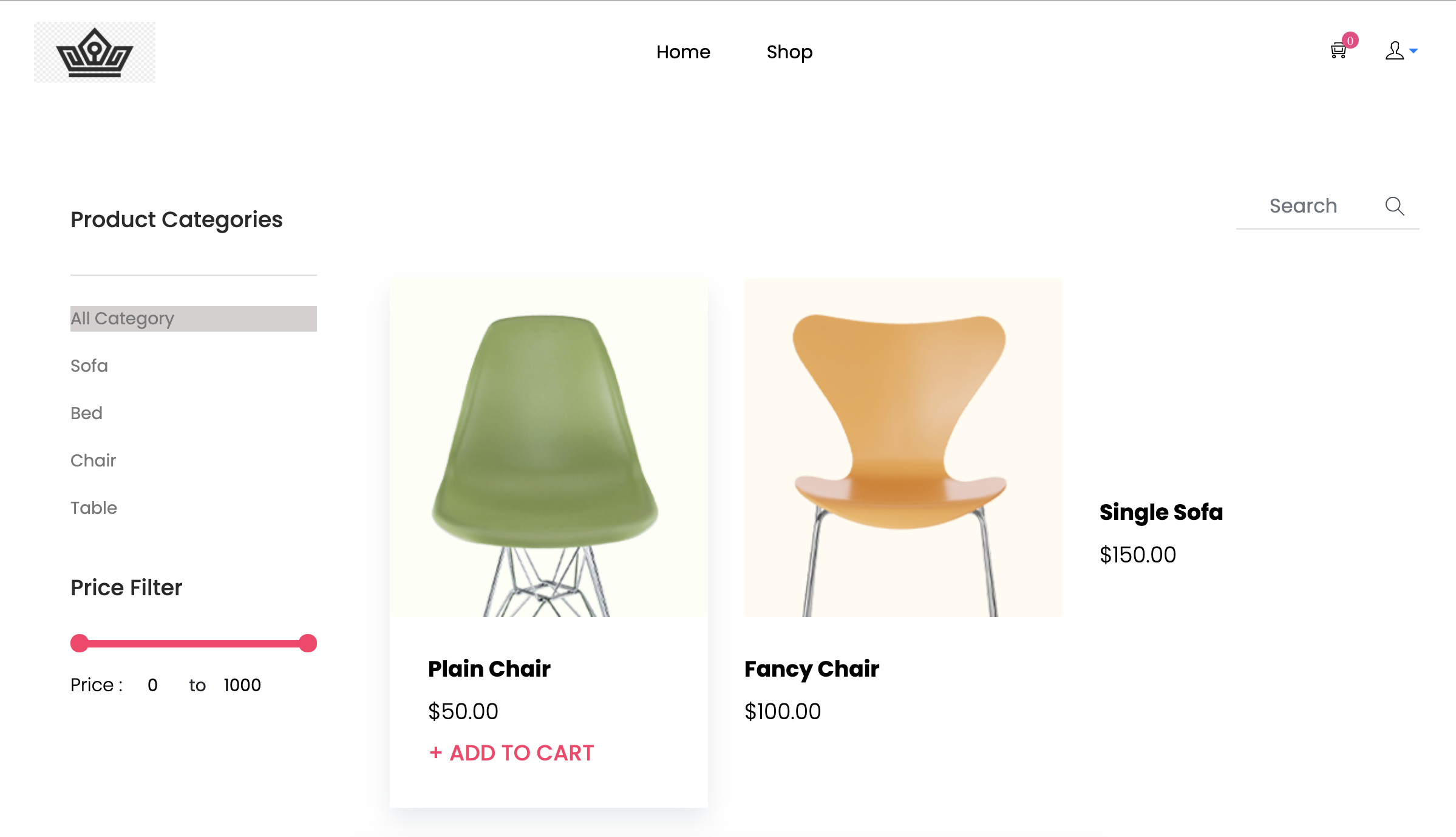
* Login -- After creating an account, the user can login using the email address and password.
  + Admin can login with username: [admin@email.com](mailto:admin@email.com) and password: admin@123.



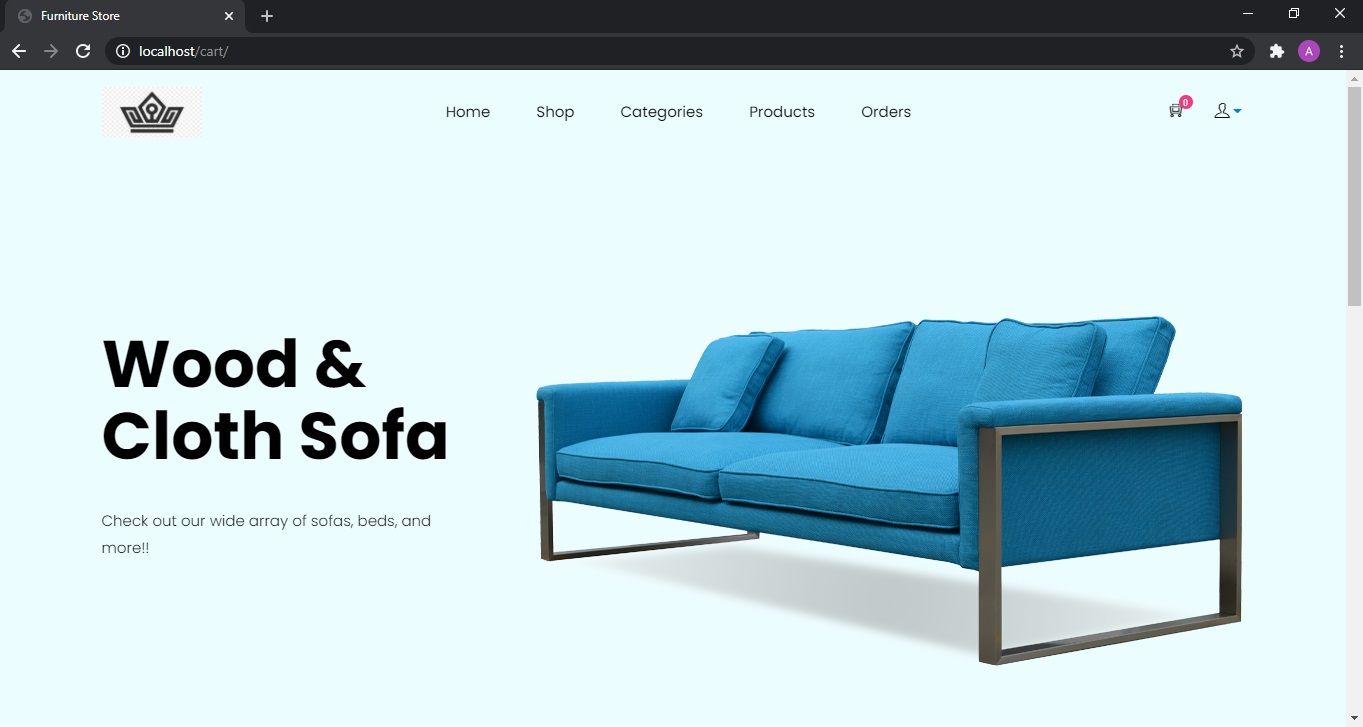
* Home(user/customer) -- Here new or existing customers can login and view the new products added in the website. Customers can view or edit his order and billing records. Anyone can view furniture details but to purchase furniture, user need to be registered to the system.



* Shop(user/customer) -- In this module, customers can add one or more products to their cart, while filtering different categories or prices, in addition to a search function.

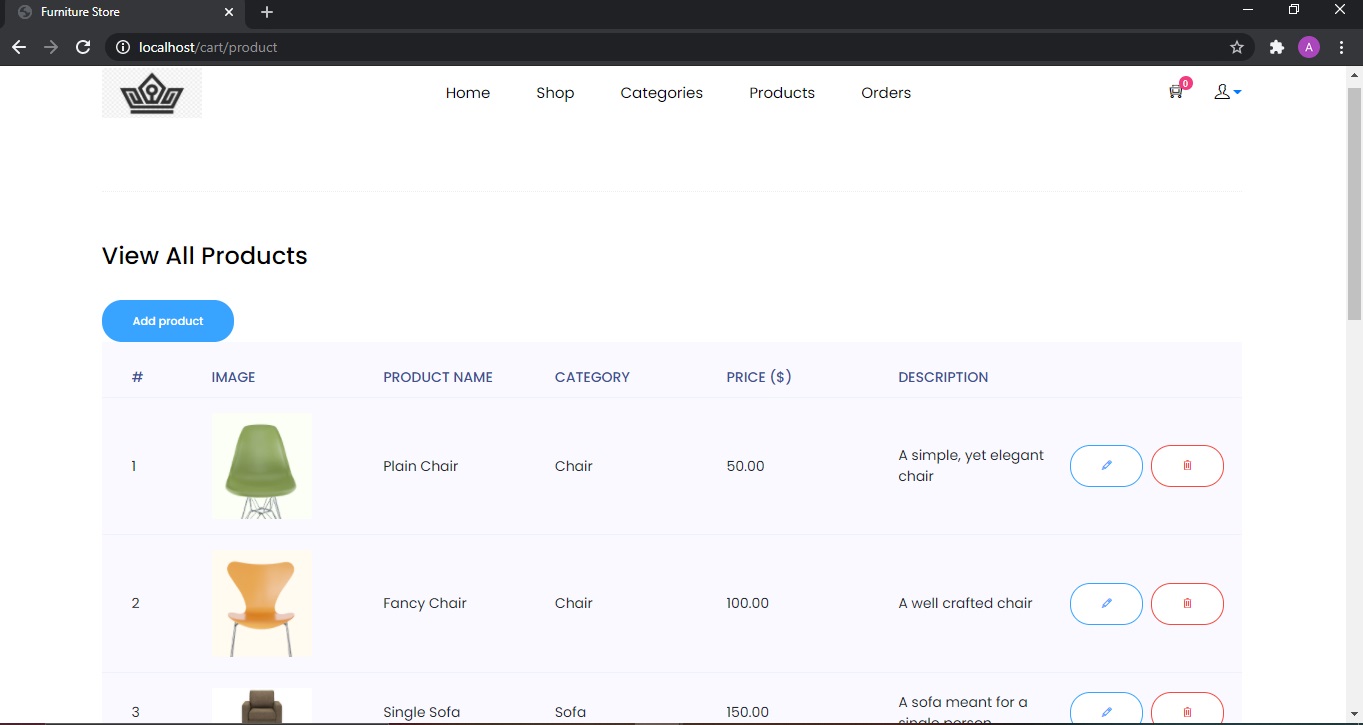


* Home(admin) -- After admin logs in, he/she will be able to view the detailed list of products.

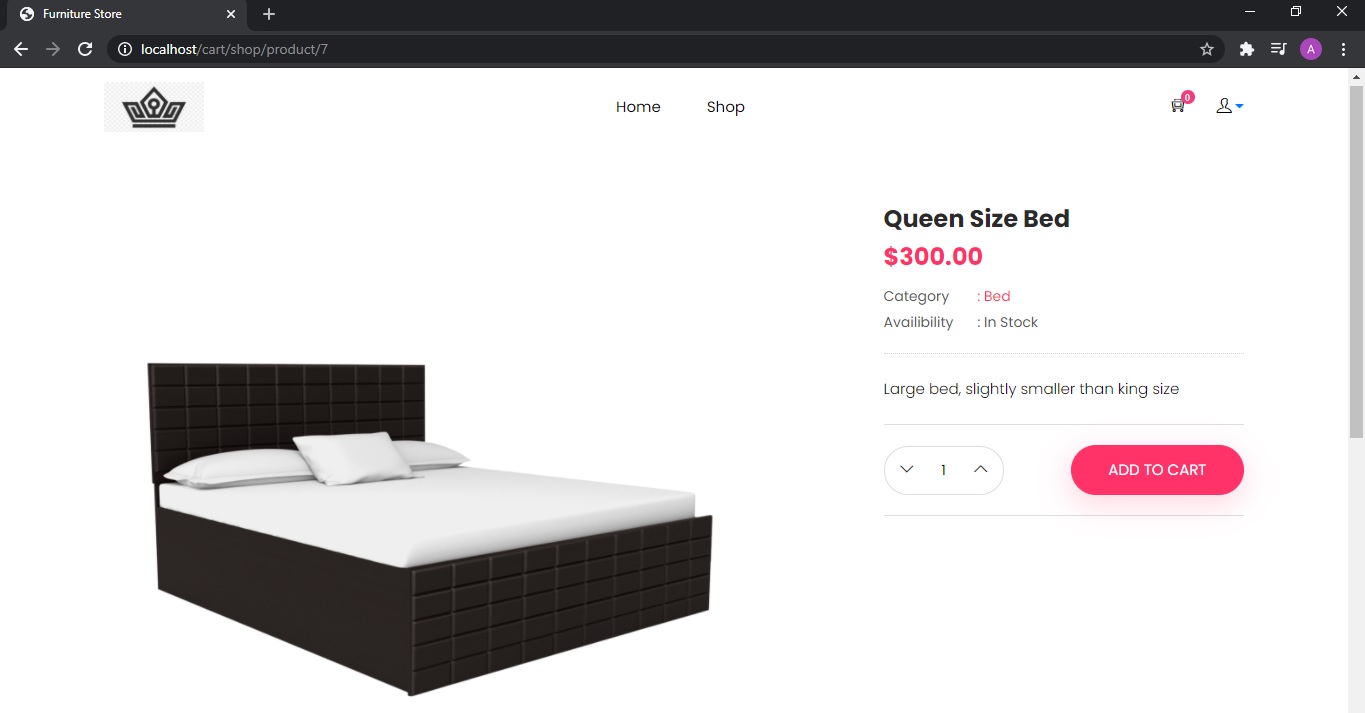


* Product Lists -- In this module, admin can view all the furniture list with name, image, description, etc.

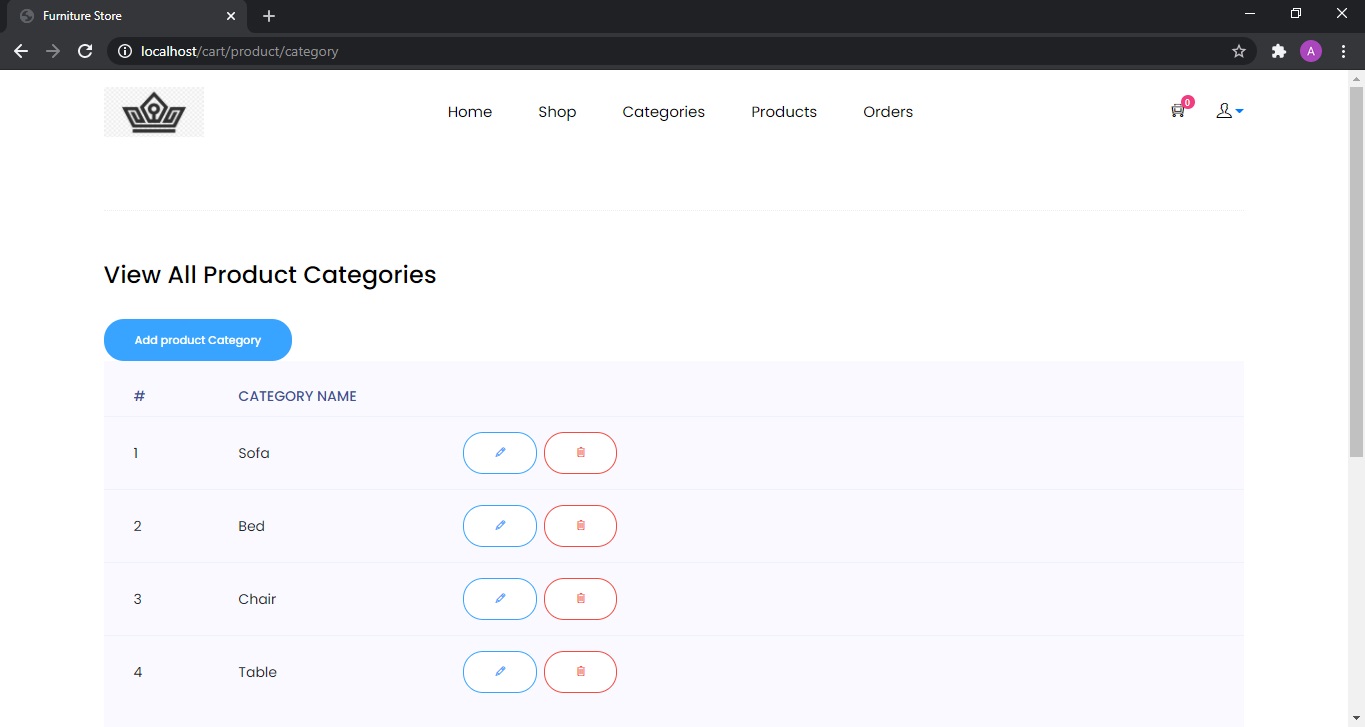
Admin will have features to add, update and delete any new furniture. Admin will be able to upload pictures for the items.



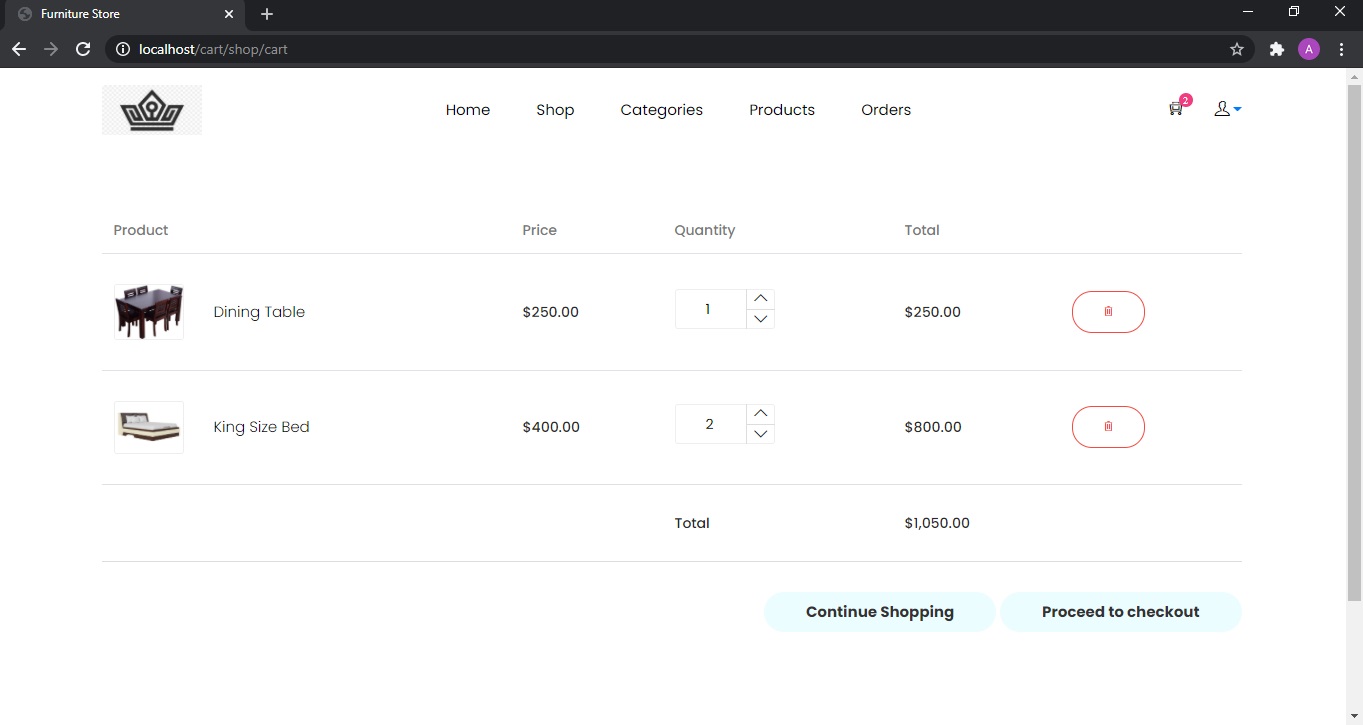
* Paging -- Each product can be viewed in a unique page, with the details clearly presented for the individual item.



* Product Category -- The furniture records are divided in categories. The admin can add, delete or edit categories as required.



* Cart/Billing -- In this module customers can order for furniture. They can order multiple items together. After to proceed to checkout, the system will show order details with total summary and price.



# **Team Members**

| **Name** | **Net-ID** |
| --- | --- |
| Tasneem Ramazanun Nessa | txr200009 |
| Arnold John Regis | ajr200004 |
| Abdulmateen Adebiyi | aaa170012 |

# **Work division among team members**

| Tasneem Ramazanun Nessa | Worked primarily for the signup and login. Worked on the relational database(user) and frontend. |
| --- | --- |
| Arnold John Regis | Worked primarily for the product details part. Worked on the relational database(products) and frontend. |
| Abdulmateen Adebiyi | Worked primarily for the cart functionality. Worked on the relational database(order) and frontend. |

Overall, we were all actively involved in the project from the sharing of ideas, deliberation of the language to use and the implementation.