

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


	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	user_id 	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	fullname	varchar(100)	utf8_general_ci		No	None		
<input type="checkbox"/>	3	email	varchar(100)	utf8_general_ci		No	None		
<input type="checkbox"/>	4	password	varchar(250)	utf8_general_ci		No	None		
<input type="checkbox"/>	5	is_admin	int(11)			No	None		
<input type="checkbox"/>	6	is_deleted	int(11)			No	0		
<input type="checkbox"/>	7	created_date	timestamp			No	CURRENT_TIMESTAMP		

Table Name: product_category

Primary Key: category_id

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	category_id 🗄️	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	category_name	varchar(512)	utf8_general_ci		No	None		

Table Name: products

Primary Key: product_id, Foreign Key: category

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	product_id 🗄️	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	category 🗄️	int(11)			No	None		
<input type="checkbox"/>	3	product_name	varchar(512)	utf8_general_ci		No	None		
<input type="checkbox"/>	4	description	text	utf8_general_ci		Yes			
<input type="checkbox"/>	5	price	decimal(10,2)			No	None		
<input type="checkbox"/>	6	image	varchar(512)	utf8_general_ci		Yes	NULL		
<input type="checkbox"/>	7	created_date	timestamp			No	CURRENT_TIMESTAMP		
<input type="checkbox"/>	8	is_deleted	int(11)			Yes	0		

Table Name: order_item

Primary Key: order_item_id, Foreign Key: order_id, product_id

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	order_item_id 🗄️	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	order_id 🗄️	int(11)			No	None		
<input type="checkbox"/>	3	product_id 🗄️	int(11)			No	None		
<input type="checkbox"/>	4	quantity	int(11)			No	None		
<input type="checkbox"/>	5	price	decimal(10,2)			No	None		
<input type="checkbox"/>	6	sub_total	decimal(10,2)			No	None		

Table Name: orders

Primary Key: order_id, Foreign Key: user_id

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	order_id 🗄️	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	user_id 🗄️	int(11)			No	None		
<input type="checkbox"/>	3	total	decimal(10,2)			No	None		
<input type="checkbox"/>	4	order_date	datetime			No	None		
<input type="checkbox"/>	5	status	int(11)			No	0		

Languages/frameworks used for implementation

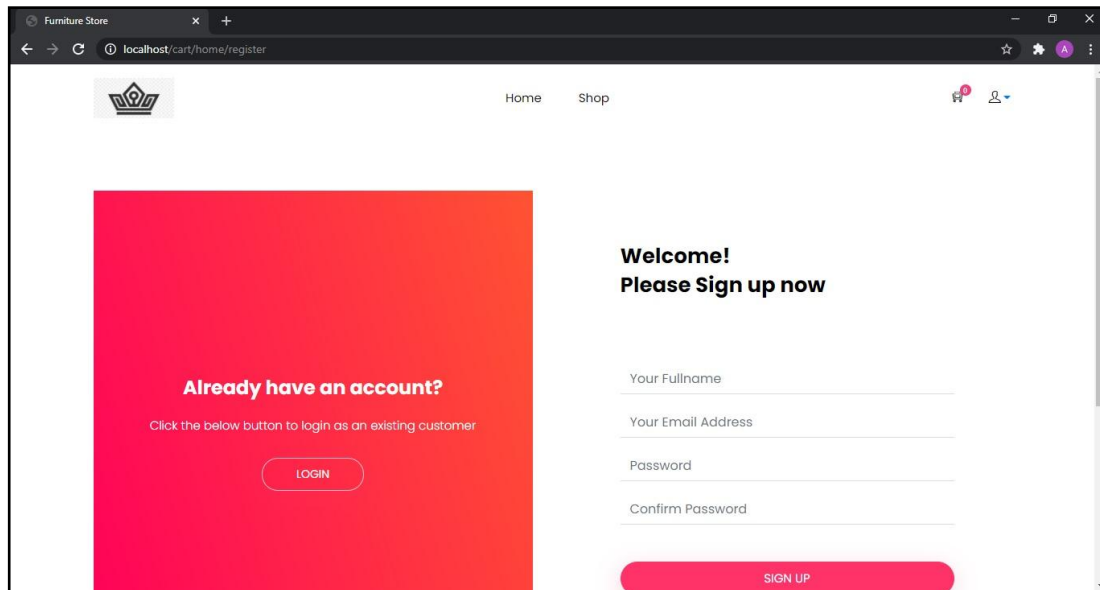
Front-end : PHP

Back-end : MySQL server

Framework : CodeIgniter

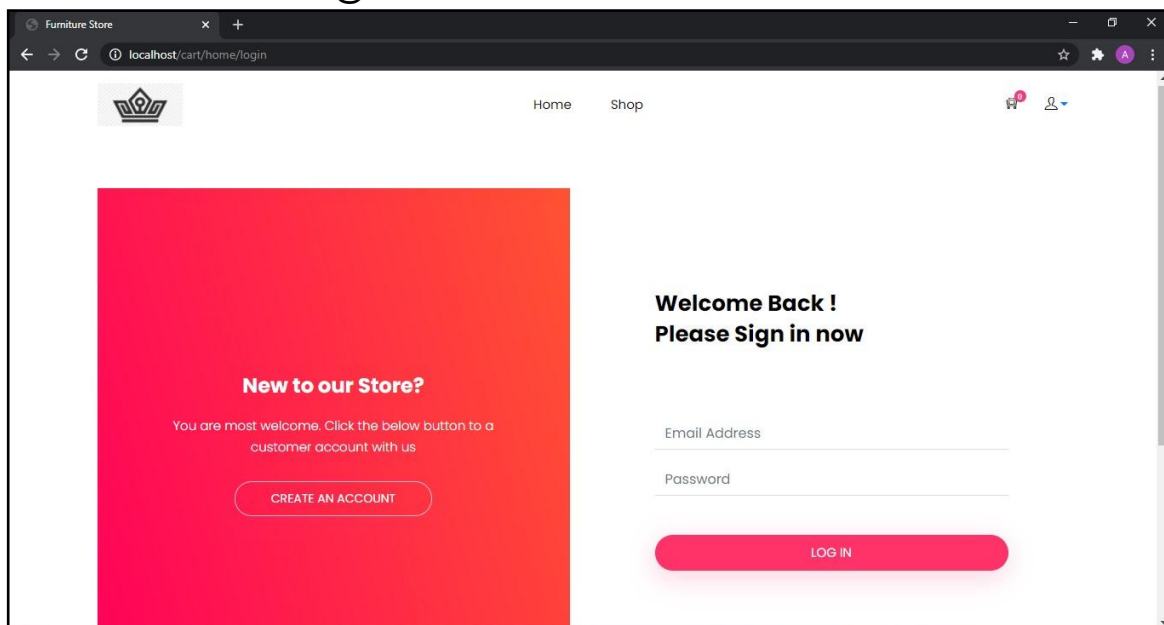
Main functionalities

- 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.



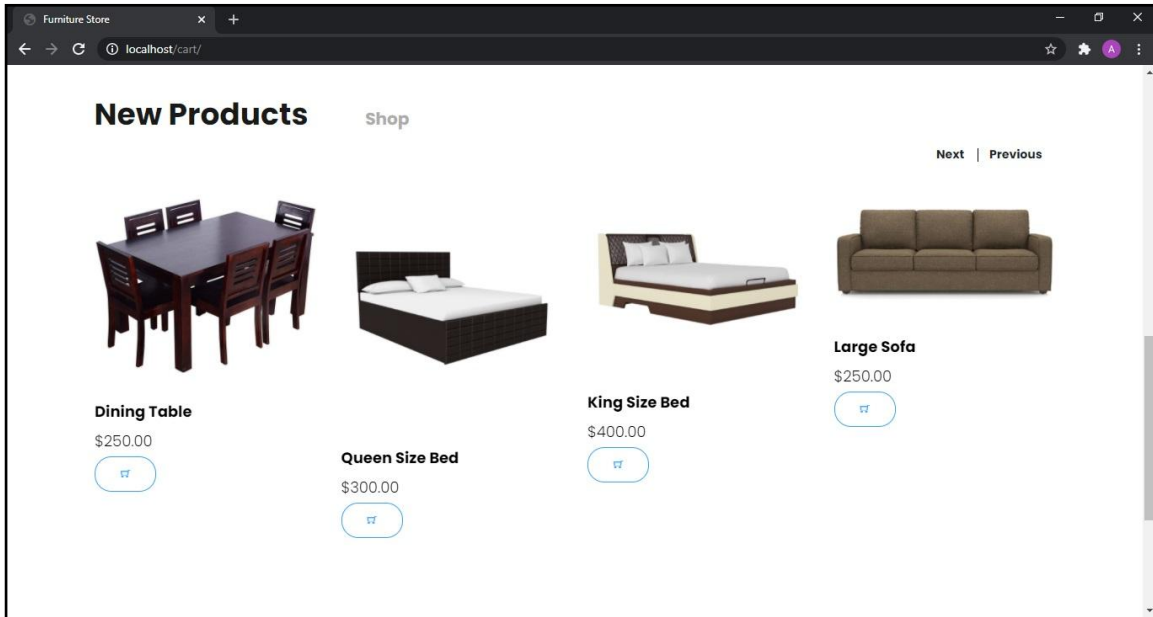
The screenshot shows the registration page of a 'Furniture Store' website. The browser address bar indicates the URL is `localhost/cart/home/register`. The page features a logo in the top left, navigation links for 'Home' and 'Shop', and a shopping cart icon with a notification badge. A large red box on the left contains the text 'Already have an account?' and 'Click the below button to login as an existing customer', with a 'LOGIN' button. On the right, the heading 'Welcome! Please Sign up now' is followed by a registration form with fields for 'Your Fullname', 'Your Email Address', 'Password', and 'Confirm Password'. A 'SIGN UP' button is at the bottom right.

- Login -- After creating an account, the user can login using the email address and password.
 - Admin can login with username: admin@email.com and password: `admin@123`.

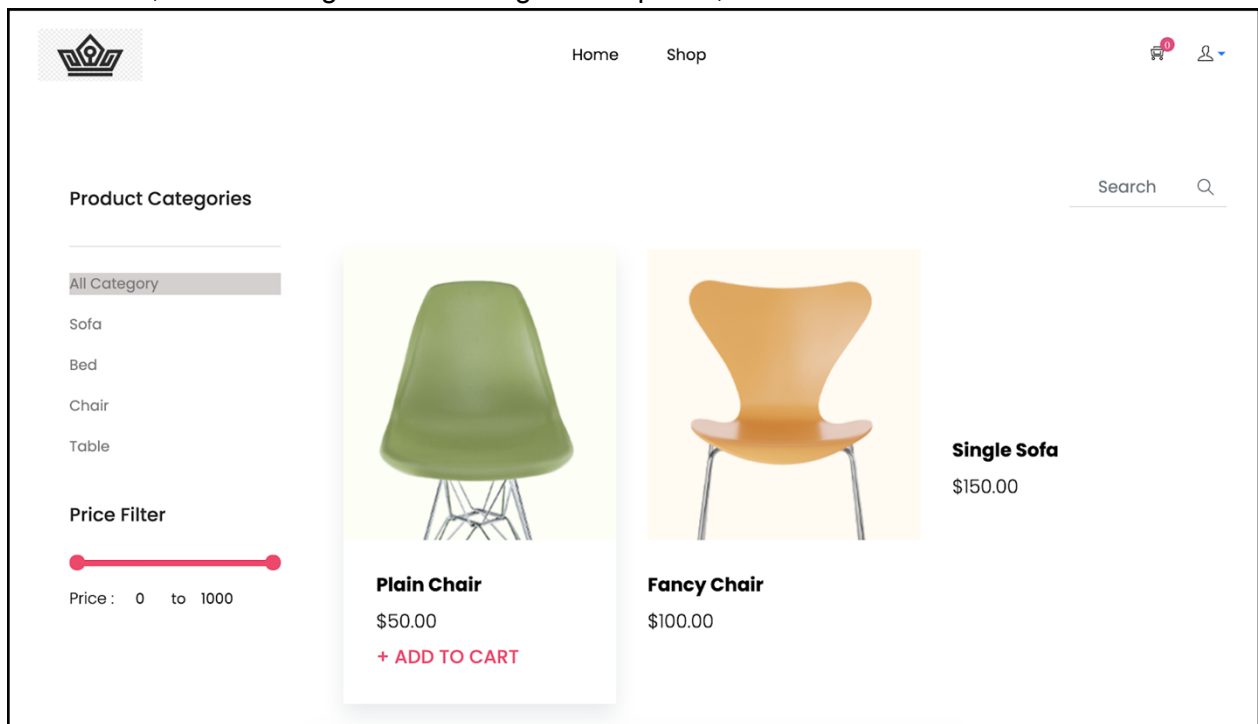


The screenshot shows the login page of the 'Furniture Store' website. The browser address bar indicates the URL is `localhost/cart/home/login`. The layout is consistent with the registration page, featuring the same logo, navigation, and shopping cart icon. A large red box on the left contains the text 'New to our Store?' and 'You are most welcome. Click the below button to a customer account with us', with a 'CREATE AN ACCOUNT' button. On the right, the heading 'Welcome Back ! Please Sign in now' is followed by a login form with fields for 'Email Address' and 'Password'. A 'LOG IN' button is at the bottom right.

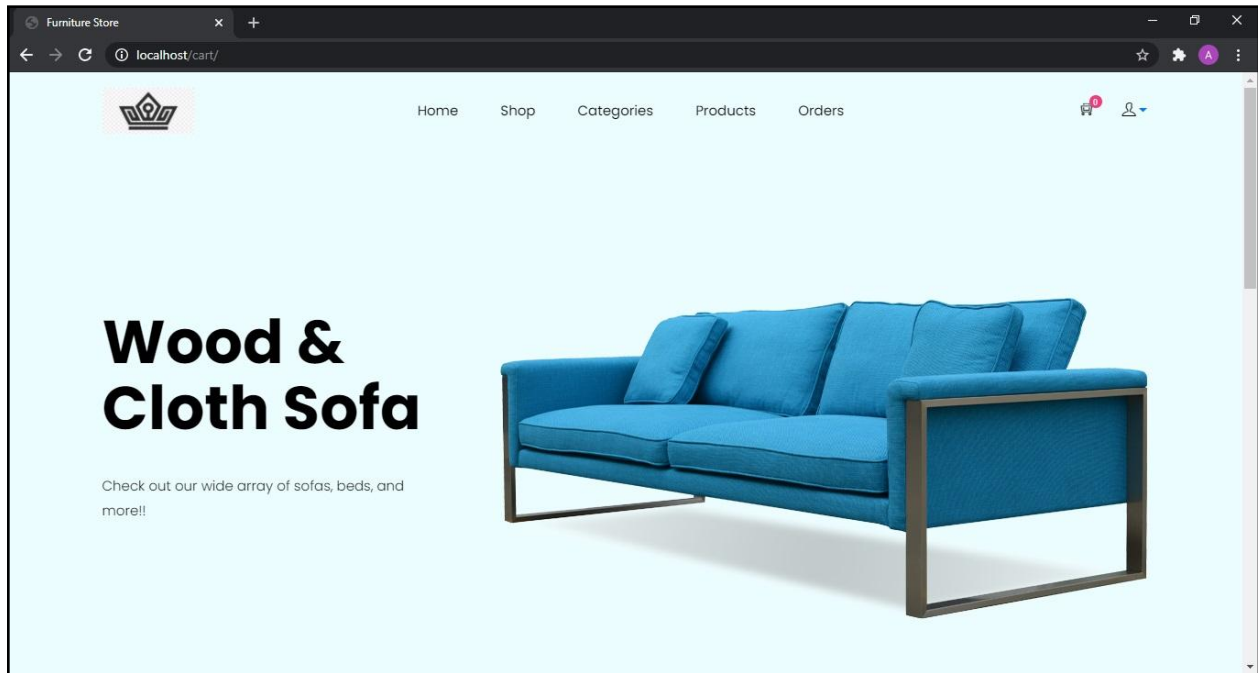
- Home(user/customer) -- Here new or existing customers can login and view the new products added in the website. Customers can view or edit his order and billing records. Anyone can view furniture details but to purchase furniture, user need to be registered to the system.



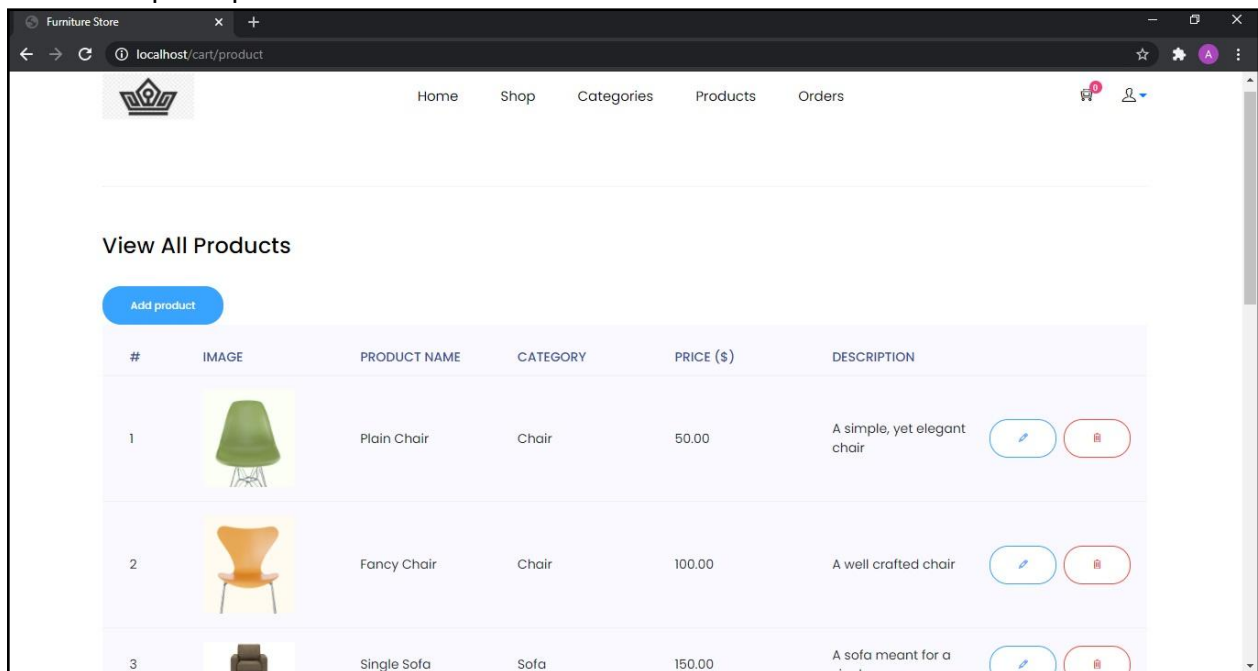
- Shop(user/customer) -- In this module, customers can add one or more products to their cart, while filtering different categories or prices, in addition to a search function.



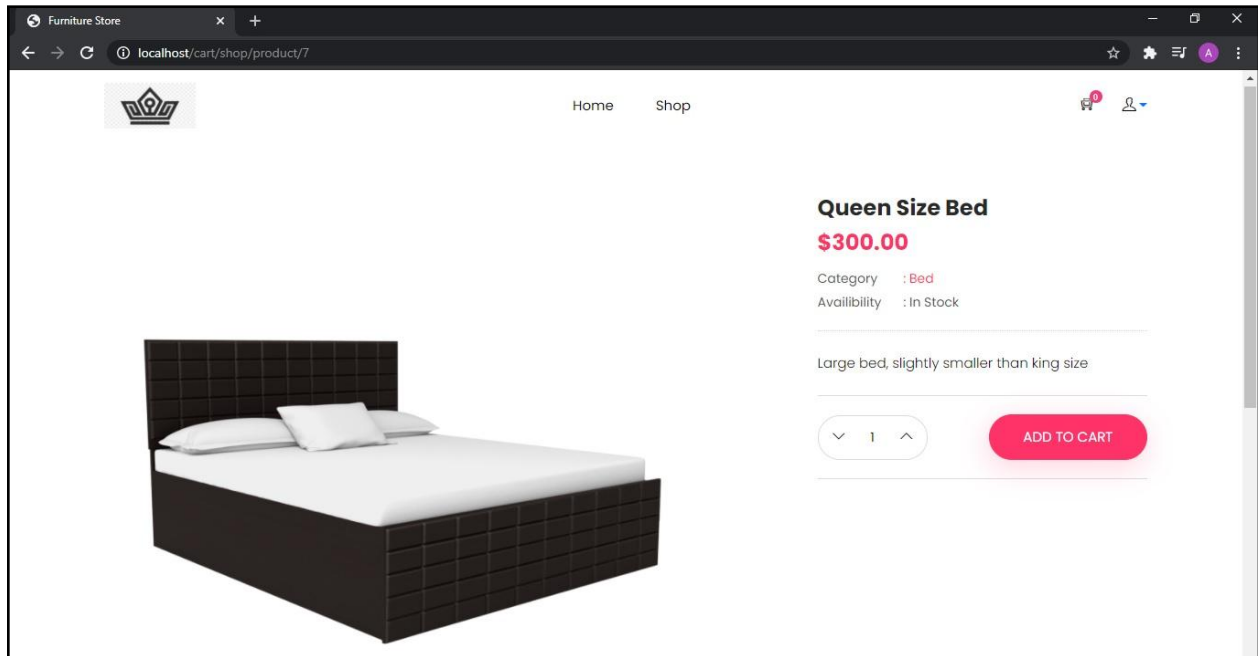
- Home(admin) -- After admin logs in, he/she will be able to view the detailed list of products.



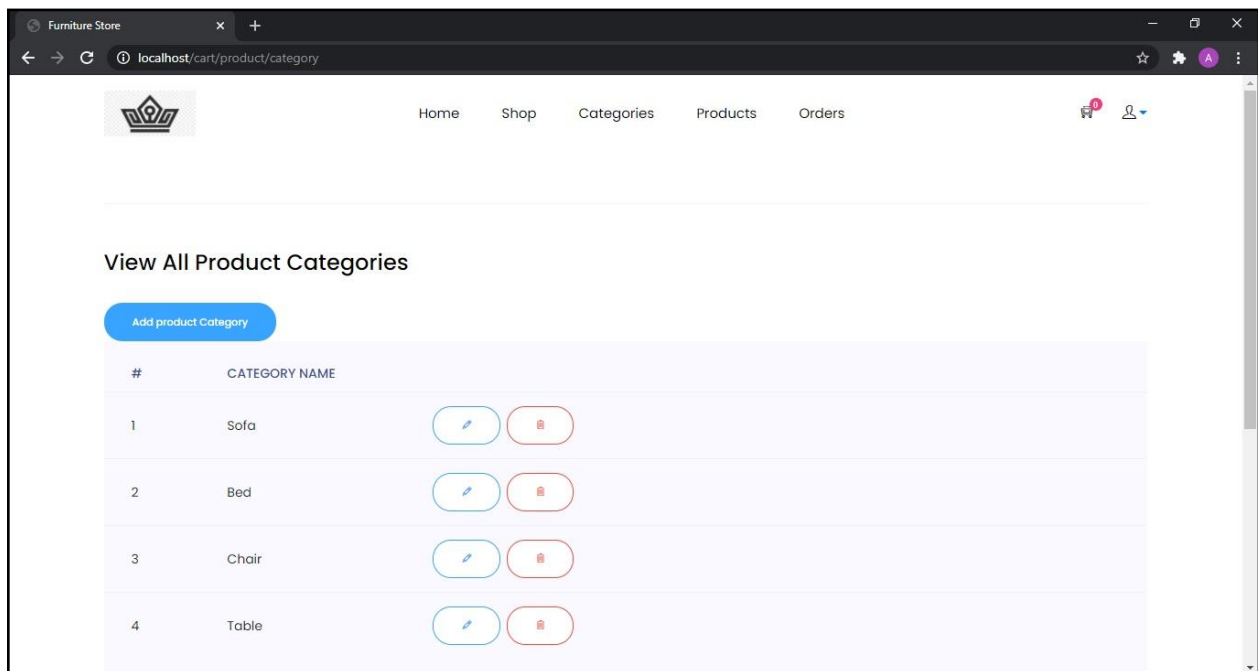
- Product Lists -- In this module, admin can view all the furniture list with name, image, description, etc.
Admin will have features to add, update and delete any new furniture. Admin will be able to upload pictures for the items.



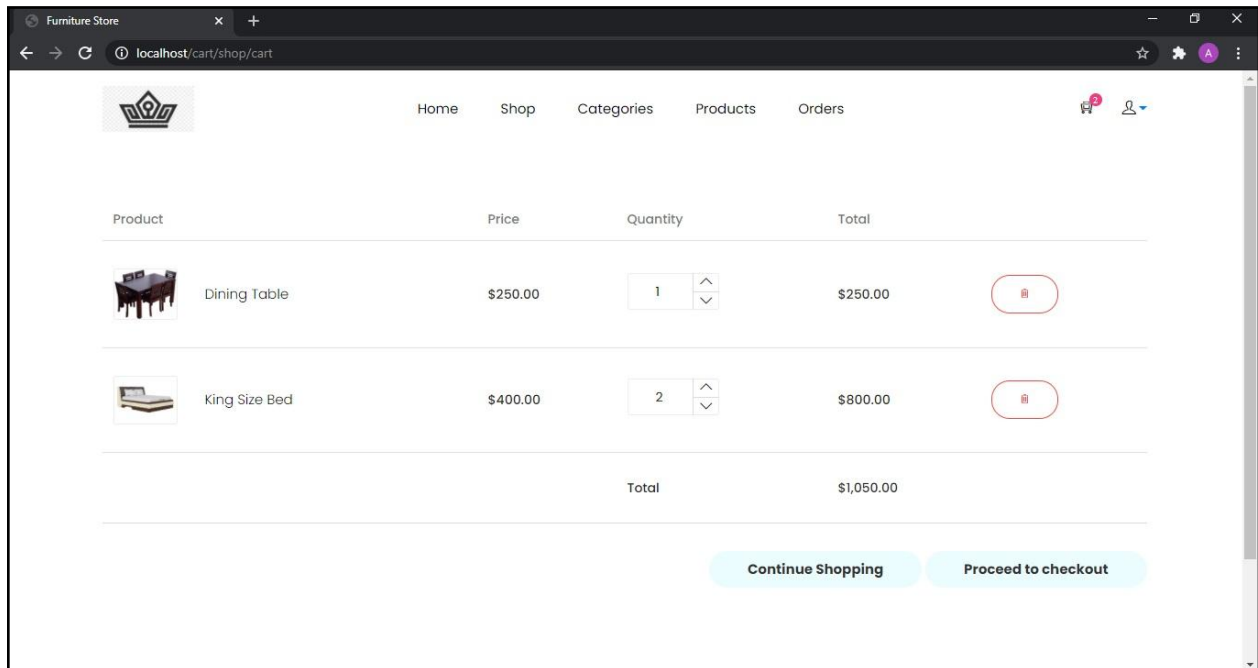
- Paging -- Each product can be viewed in a unique page, with the details clearly presented for the individual item.



- 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.