**Project Title**: Online Furniture Store

**Category:** Web Application

**Scope**:

* Secure registration and profile management facilities for Customers.
* Adequate searching mechanism for easy and quick access to particular products and services.
* Creating a shopping cart so that customers can shop ‘n’ number of items and check out finally with entire shopping carts.
* Customers can add or delete item in carts.
* Maintaining database of regular customers of different needs.
* Feedback mechanism, so that customers can give feedback for product or service which they have purchased.
* Adequate payment mechanism and gateway for all popular credit cards, debit cards and other relevant payment options, as available from time to time.

**Functions**:

A customer can browse through shops and choose products to place in a virtual shopping cart. The shopping cart details can be viewed and items can be removed from the cart. To proceed with purchase, customer is prompted to login. Also the customer can modify personal profile information (such as phone number and shipping address) stored by the application. The customer can also view the status o any previous order, and cancel any order that has not been shipped yet.

**Introduction:** An online furniture shop that allows users to check for various furniture available at the online store and purchase online. The project consists of list of furniture products displayed in various models and designs.

**Advantage:**

* Helps furniture shops to automate furniture selling online.
* Helps furniture shops to take online payments.
* Provides email confirmation on payment success.
* Customer can add and view product in cart.
* Product Images on the product detail page have the option to zoom in.

**Functional Requirement:**

* The admin can add new product.
* Admin can see the list of product.
* Only admin can edit and update the product
* Admin will be able to delete the product
* Admin will be able to see his details
* Admin can see all order details
* Admin can manage product category

**Non Functional Requirement:**

**Safety Requirements:**

The database may get crushed at any certain time due to virus or operating system failure. Therefore it is required to take the database backup so that the database is not lost. Proper UPS/ Inverter facility should be there in case of power supply failure.

**Security Requirements:**

* System will use secured database.
* Normal users can just read information but they cannot edit or modify anything except their personal and some other information.
* System will have different types of users and every user has access constraints.

**Performance Requirements:**

There is no performance requirement in this system because the server request and response is depended on the end user internet connection.

**Maintainability:**

**Software Tools:** We have developed this technology using below technology.

* **Data Base Server:** MySQL
* **Development Tool:** Visual Studio Code
* **Programming Language:** Java, HTML, CSS, Java Script, Eclipse
* **Java Spring Boot:** All business and backend API logic has been implemented in Java Spring Boot.

**Supported Operating System:** We can configure this project on following operating system**.**

* **Windows:** This project can be easily configured on windows operating system**.**
* **Linux**: We can run this project also on all versions of Linux operating system.
* **Mac:** We can easily configured this project on Mac operating system.

**Hardware Specifications:**

* **Processor:** Intel Core i3
* **Processor Generation:** 11th Gen
* **RAM:** 8 GB
* **Hard Drive:** 1000 GB