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SCII/01356/2018  
ONLINE FURNITURE SHOP SYSTEM

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# Overview

## Project Background and Description

An online shopping system is a form of electronic commerce that allows customers to buy goods or services directly from the seller via the internet.

Online furniture shopping system, therefore, is an online shop that allows various customers to access and purchase furniture online. It also allows shop management to add variety of furniture, that is, different categories of furniture. Many furniture shops use manual system to vary out various activities such as making sales and record keeping. As a result, customers face challenges in accessing furniture available in the store as they waste money and time traveling, checking, and buying the product.

This project aims at developing an online furniture shop system that allows customers to access and purchase the furniture available in online furniture stores.

## Project Scope

The project will contain two main modules, the seller module, and the Customer module. It is a web-based application that is accessible over the internet via various devices.

* Laptops and Desktops – access by both management and customers.
* Smartphones – access by customers only.

As stated above, there are two major participants in the system, that is, the Admin or Manager and the Customer.

The functionalities that will be implemented at a high level are: -

### Authentication of Customer and Seller accounts

* **Customer Account**: To create new customer account customer needs to register to the system. Existing users can login to the system. Customer can update his profile and he can change his password after the login.
* **Seller Account**: To create new seller account customer needs to register to the system. Existing users can login to the system. Seller can update his profile and he can change his password after the login.

### Sellers post Furniture

The sellers will add furniture in respective categories to make it easier for customers to navigate when looking for specific item in the system.

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| --- | --- | --- | --- |
| # | OPERATION | PROVIDED | COMMENTS |
| 1 | Add furniture categories | YES |  |
| 2 | Add furniture items | YES |  |
| 3 | Edit furniture details | NO |  |

### Furniture list Module

This view display all furniture lists. Customer search and view products and they can filter products by category. Admin can monitor all products and he has option to delete the product.

### Customer place order module

This is a part where customers place their order

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| # | OPERATIONS | COMMENTS |
| 1 | View furniture description |  |
| 2 | Add items to cart |  |
| 3 | Place order |  |

Dashboard module

This component is for administrator to manage settings part of the website. Admin is the super-user having full authority of the website.

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| # | Operations |  |
| 1 | Manage users |  |
| 2 | Manage orders |  |
| 3 | Manage furniture |  |

## High-Level Requirements

This is a web-based application and therefore the major requirements are: -

* A device with the latest version of a web browser.
* Internet access.

## Deliverables

* Responsive web-based application for customers.
* Backend software.
* User-friendly system for customers and the admin.
* UI prototype for both customers and admin.
* User manual.

## Affected Parties

* Sellers
* Customers

## Affected Business Processes or Systems

* Store management adding furniture categories.
* Store management adding furniture items.
* Customer registration.
* Customer placing orders.
* Order status.

## Specific Exclusions from Scope

The following are activities out of scope

* Credit card payment – the system is limited to one method of payment or a customer may choose an option to pay for the item once it has been delivered.
* The system does not keep track of the stock.

## Implementation Plan

The following are steps in the implementation plan: -

* The implementation starts with the definition of the requirements.
* The next step is to perform a quick analysis and design phase of the system.
* Building UI prototypes. The users are actively involved in the mocking-up of the UI of the system. This stage is important because it enables the developer to explore the problem space.
* Customer evaluation of the prototype and development of the final system.

## High-Level Timeline/Schedule

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| --- | --- | --- | --- |
| # | Date | Description | Comments |
| 1 | 28/09/2022 -05/10/2022 | Customer authentication module |  |
| 2 | 05/10/2022 -12/10/2022 | Seller authentication module |  |
| 3 | 13/10/2022 -20/10/2022 | Sellers post furniture |  |
| 4 | 20/10/2022 -28/10/2022 | Furniture list module |  |
| 5 | 29/09/2022 -06/11/2022 | Place order module |  |
| 6 | 07/09/2022 -15/11/2022 | Admin dashboard |  |

# Approval and Authority to Proceed

We approve the project as described above, and authorize the team to proceed.

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| --- | --- | --- | --- |
| Name | Title | Signature | Date |
| Felix Otieno Okoth | Mr. |  | 21/09/2022 |
| Joseph Hezekiah |  |  |  |
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| Approved By |  |  | Date |  | Approved By |  |  | Date |