**Project 16**

**Nova Men’s Clothing Shop Management System**

**Customer Module**

The main aim of this module is provide all the functionality related to customers. This customer module is the main module in this project Clothing Shop Management System. It tracks all the information and details of the customer. Students will all type of CRUD (Create, Read, Update and Delete) operations of the customers. This is a role based module where admin can perform each and every operations on data but the customer will be able to view only his/her data, so access level restrictions has also been implemented on the project.  
  
**Features of Customer Module:**

* Admin can add new customers records
* Admin can see the list of customers details
* Only admin can edit and update the record of the customers
* Admin will be able to delete the records of the customers
* All customers forms are validated on client side using JavaScript
* Customer will be able to see his details
* Customer will be able to update his details

**Product Module:**

The main purpose for developing this module is to manage the product data wise. So all product will be managed by admin and customer will be able to see product. Admin can see the list of all the product and filter it according to the customers.  
  
**Features of Product Module:**

* Admin can manage the product
* Admin can edit/delete the product
* Admin can see the list of all product
* Customer can see product

**Product Type Module:**

The main objective for developing this module is to manage the product type. So all product will be managed by admin and customer will be able to see the product type.

**Features of Product Type Module:**

* Admin can manage the product type
* Admin can edit/delete the product type
* Admin can see the list of all product type
* Customer can see product type

**Product Company Module:**

The main purpose for developing this module is to manage the product company. So all product company will be managed by admin and customer will be able to see the product company.

**Features of Product Company Module:**

* Admin can manage the product company
* Admin can edit/delete the product company
* Admin can see the list of all product company
* Customer can see product company

**Sales Module:**

The main purpose for developing this module is to manage the customer sales.

**Features of Sales Module:**

* Admin can manage the sells
* Admin can edit/delete the sells
* Admin can see the list of all sells
* Customer can see his sells

**Supplier Module:**

The main purpose of this module is provide all the functionality related to supplier. It will track all the information and details of the supplier. Students need to develop all type of CRUD (Create, Read, Update and Delete) operations of the supplier.

**Features of Supplier Module:**

* Admin can add new supplier
* Admin can see the list of supplier details
* Only admin can edit and update the record of the supplier
* Admin will be able to delete the records of the supplier
* All supplier forms are validated on client side using JavaScript

**Functionality performed by Admin user:**

**These are the functionality performed by the admin users.**

* Login For Admin
* Admin Dashboard
* Forgot password for Admin
* Edit Profile For Admin
* Change Password For Admin
* Logout Functionality
* Dashboard for Admin User
* **Manage Customer**
  + Adding New Customer
  + Edit the Exitinng Customer
  + View details of the Customer
  + Listing of all Customer
* **Manage Product Company**
  + Adding New Product Company
  + Edit the Exiting Product Company
  + View details of the Product Company
  + Listing of all Product Company
* **Manage Product**
  + Adding New Product
  + Edit the Exiting Product
  + View details of the Product
  + Listing of all Product
* **Manage Product Type**
  + Adding New Product Type
  + Edit the Exiting Product Type
  + View details of the Product Type
  + Listing of all Product Type
* **Manage Product Stock**
  + Adding New Product Stock
  + Edit the Exiting Product Stock
  + View details of the Product Stock
  + Listing of all Product Stock
* **Manage Sells**
  + Adding New Sells
  + Edit the Exiting Sells
  + View details of the Sells
  + Listing of all Sells
* **Manage Supplier**
  + Adding New Supplier
  + Edit the Exiting Supplier
  + View details of the Supplier
  + Listing of all Supplier
* **Manage System Users**
  + Adding New System Users
  + Edit the Exiting System Users
  + View details of the System Users
  + Listing of all System Users
* **Reports of the project Clothing Shop Management System**
  + Report of all Customers
  + Report of all Product Companies
  + Report of all Products
  + Report of all Product Types
  + Report of all Product Stocks
  + Report of all Sells
  + Report of all Suppliers
  + Report of all System User

**Static Pages and other sections:**

* Home Page with good UI
* Home Page will contain an animated slider for images banner
* About us page will be available which will describe about the project
* Contact us page will be available in the project

Functional requirements are product features or functions that developers must implement to enable users to accomplish their tasks. So, it’s important to make them clear for the stakeholders. Generally, functional requirements describe system behavior under specific conditions.

The developers of this system must enhance the performance and efficiency of the system by adding 15 to 20 more functional requirements. Students need to do their own research to find how they can improve the system and which FRs need to added. The group must need a prior approval from the stakeholders/project supervisor before finalizing these Functional Requirements.

These enhanced FRs must be reflected separately in Final SRS Report after the approval.

**Non Functional Requirements**

There are a lot of software requirements specifications included in the non-functional requirements of the system, which contains various processes, namely Security, Performance, Maintainability, and Reliability.

**Security:**

* Patient Identification: The system needs the patient to recognize herself or himself using the phone.
* Logon ID: Any users who make use of the system need to hold a Logon ID and password.
* Modifications: Any modifications like insert, delete, update, etc. for the database can be synchronized quickly and executed only by the ward administrator.
* Front Desk Staff Rights: The staff at the front desk can view any data in the system, and add new patients record to the HMS but they don't have any rights to alter any data in it.
* Administrator rights: The administrator can view as well as alter any information in the system.
* Cybersecurity Implementation: Identify ethical risks in database design and implement the actions of mitigation.
* Cybersecurity Implementation: Provide evidence that you have implemented the data encryption and anonymization of data.
* Cybersecurity Implementation: Perform ‘Data Protection Impact assessment’ to help ensure compliance, facilitate a privacy by-design approach and identify better practice.
* Cybersecurity Implementation: Implement the secure methods for data encryption, data security and data breach to maintain the privacy of end users.

**Performance:**

* Response Time: The system provides acknowledgment in just one second once the 'patient's information is checked.
* Capacity: The system needs to support at least 1000 people at once.
* User-Interface: The user interface acknowledges within five seconds.
* Conformity: The system needs to ensure that the guidelines of the Microsoft accessibilities are followed.

**Maintainability:**

* Back-Up: The system offers efficiency for data backup.
* Errors: The system will track every mistake as well as keep a log of it.

**Reliability:**

* Availability: The system is available all the time.

Project should aim at Business process automation.

* + In computer system the person has to fill the various forms & number of copies of the forms should be easily generated at a time.
  + In computer system, it is not necessary to create the manifest but we can directly print it, which saves time.
  + To assist the staff in capturing the effort spent on their respective working areas.
  + To utilize resources in an efficient manner by increasing their productivity through automation.
* The system should generate types of information that can be used for various purposes.
* It satisfy the user requirement
* Be easy to understand by the user and operator
* Be easy to operate
* Have a good user interface
* Be expandable
* Delivered on schedule within the budget.

**Hardware Requirement: Should be recommended by the developers.**

**Software Requirement: Should be recommended by the developers.**