
SOFTWARE REQUIREMENTS SPECIFICATION

FOR

<INVENTORY MANAGEMENT SYSTEM>

VERSION 1.0 APPROVED

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Revision History

Name	Date	Reason For Changes	Version

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1. Introduction

1.1 Purpose

Inventory Management System is a program which will create an interface for the store employees/admin to manage their stock. It aims at improving the efficiency of the record of the stock which would help to reduce complexities. The purpose of the project is that if the entire process of inventory management is done in manual manner then it would take a lot of time to track the status of the stock and as the store increases its capacity the number of problems and managing the stock would get more complicated. This system provides a way to organize everything and keep records to avoid any miscalculation and reduce complexities to the maximum extent.

1.2

1.3 Intended Audience and Reading Suggestions

Intended Audience are the shop owners, Store owners, Superstore Owners, Warehouse Managers. This system would help them to manage their stock more effectively.

1.4 Product Scope

Our product will help different stock owners, Warehouse managers, store owners to manage their store, Stocks in synchronized and digitized manner so that adding a product or removing it would become much easier.

1.5

2. Overall Description

Inventory Management System is a program which will create an interface for the store employees/admin to manage their stock. It aims at improving the efficiency of the record of the stock which would help to reduce complexities. The purpose of the project is that if the entire process of inventory management is done in manual manner then it would take a lot of time to track the status of the stock and as the store increases its capacity the number of problems and managing the stock would get more complicated. This system provides a way to organize everything and keep records to avoid any miscalculation and reduce complexities to the maximum extent.

2.1 Product Functions

- Admin can Login.
- Admin can add/update/remove roles.
- Admin can add/update/remove Staff.
- Admin can add/update/remove Product Category.
- Admin can add/update/remove Product.
- Admin can add/update/remove Order.
- Admin can add/update/remove Customer.

2.2 User Classes and Characteristics

Class	Function
Role	Role-id, Role-name, Description
Product	Product-id, Product-name, Product-description, Product-price, Category-id
Category	Category-id, Category-name, Descriptions
Customer	Customer-id, First-name, Last-name, Phone, Email, Staff-id
Staff	Staff-id, First-name, Last-name, Phone-no, Email, Username, Pass, Role-id
Order	Order-id, Customer-name, Category-name, Product-name, Date-of-order, Quantity, Total

2.3 Operating Environment

Windows (MVC, asp.net, SQL management studio)

2.4

2.5 User Documentation

All you need are basic computer operating skills (i.e. Windows XP) *but still if any queries appear user can read the product manual.*

2.6 Assumptions and Dependencies

The program requires an admin to operate it. An admin can add more moderators by assigning specific roles required to make changes to the system.

3. External Interface Requirements

3.1 User Interfaces

☐ Show Role:

This will show all the Role details present in the database. Also gives all of the options like Add, Delete, Update.

☐ Show Staff:

This will also show the user all the staff details present in the database. Also gives all of the options like Add, Delete, Update.

☐ Show Customer:

This will show all the customer details. Also gives the user to Add, Delete, Update.

☐ Show Category:

This will show all the category details. Also gives the user to Add, Delete, Update.

☐ Show Product:

This will show all the Product details present in the database. Also gives all of the options like Add, Delete, Update.

☐ Show Order:

This will also show the user all the order details present in the database. Also gives all of the options like Add, Delete, Update.

Software Interfaces

This program is made on Microsoft Visual Studio using MVC. The data base is made on SQL and linked with the program.

3.2 Communications Interfaces

The program is currently on Local Host and can be hosted on any HTTP or HTTPS website.

4. System Features

A web-based application which will be helpful to the Store owners to manage their inventory and to store the data efficiently. Sometimes the software is so complicated that the user starts to avoid them. But in this Inventory Management System the user interface is easy to use and handles a lot of data in an efficient way. Some of the major functions are following which will show that the software will be easy and reliable.

The product has 6 Categories which have the following attributes:-

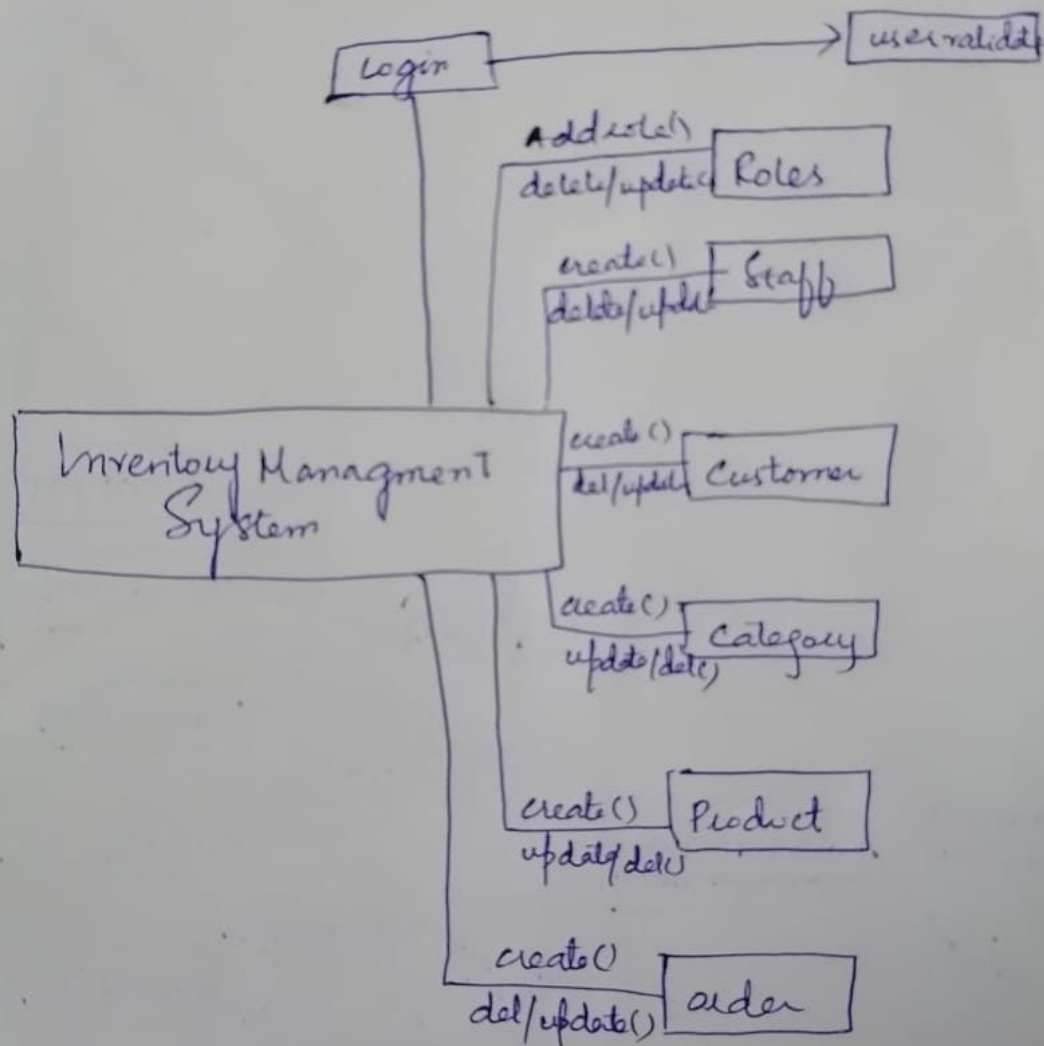
- ADD TO DATABASE
- DELETE FROM DATABASE
- UPDATE FROM DATABASE

Appendix A: Glossary

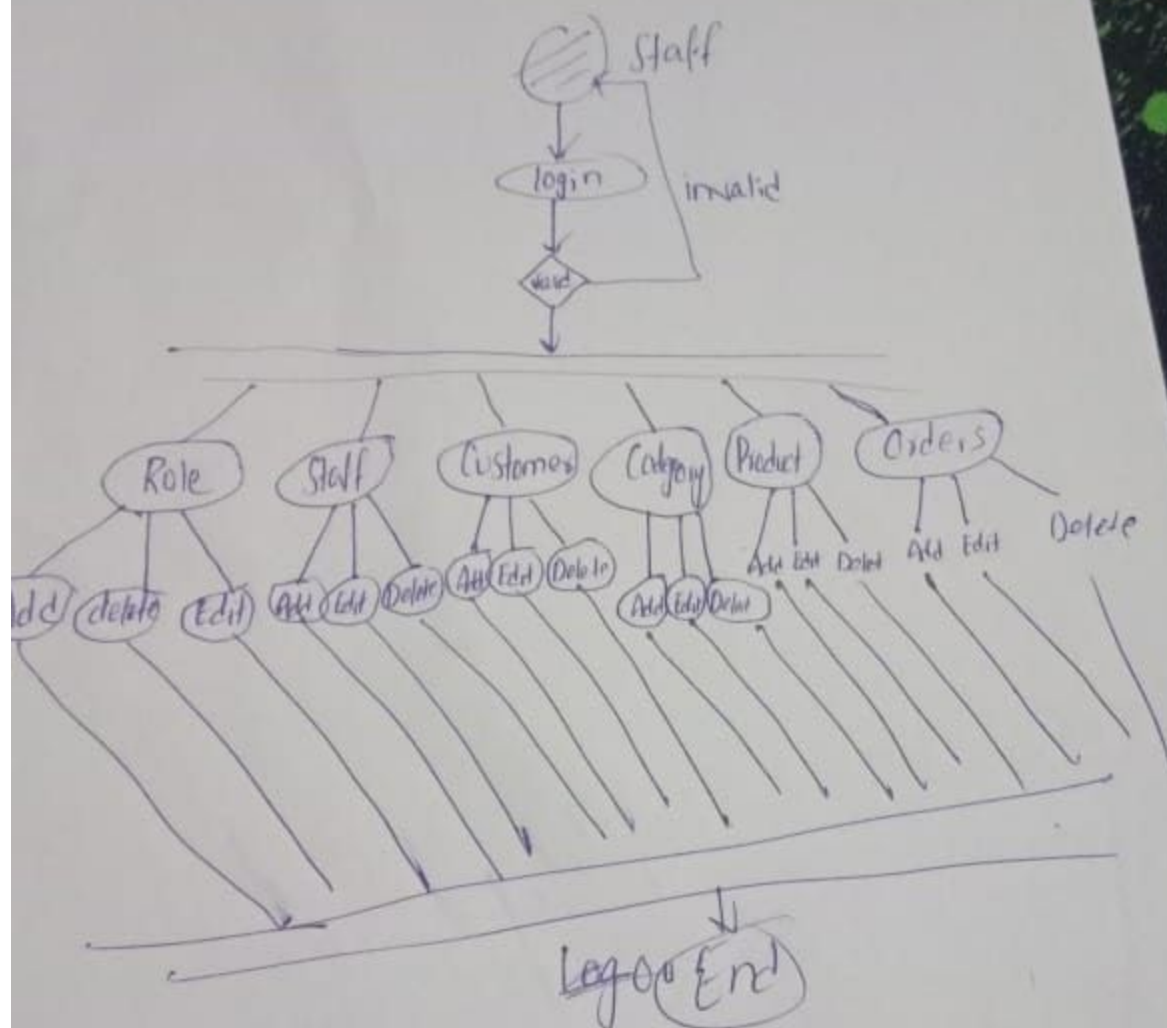
- **Inventory Management System**

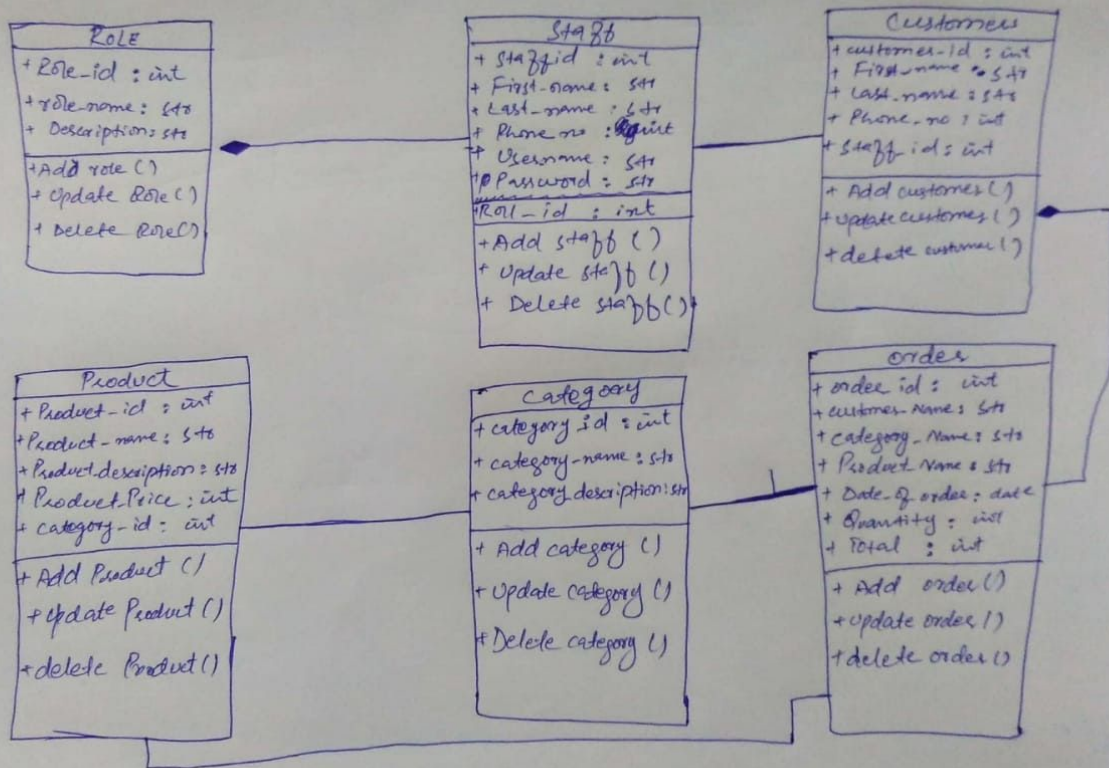
Appendix B: Analysis Models

Collaboration diagram



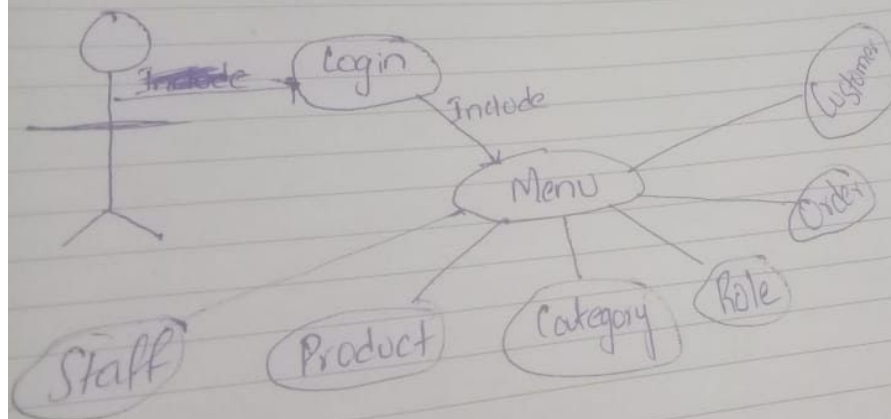
Activity Diagram

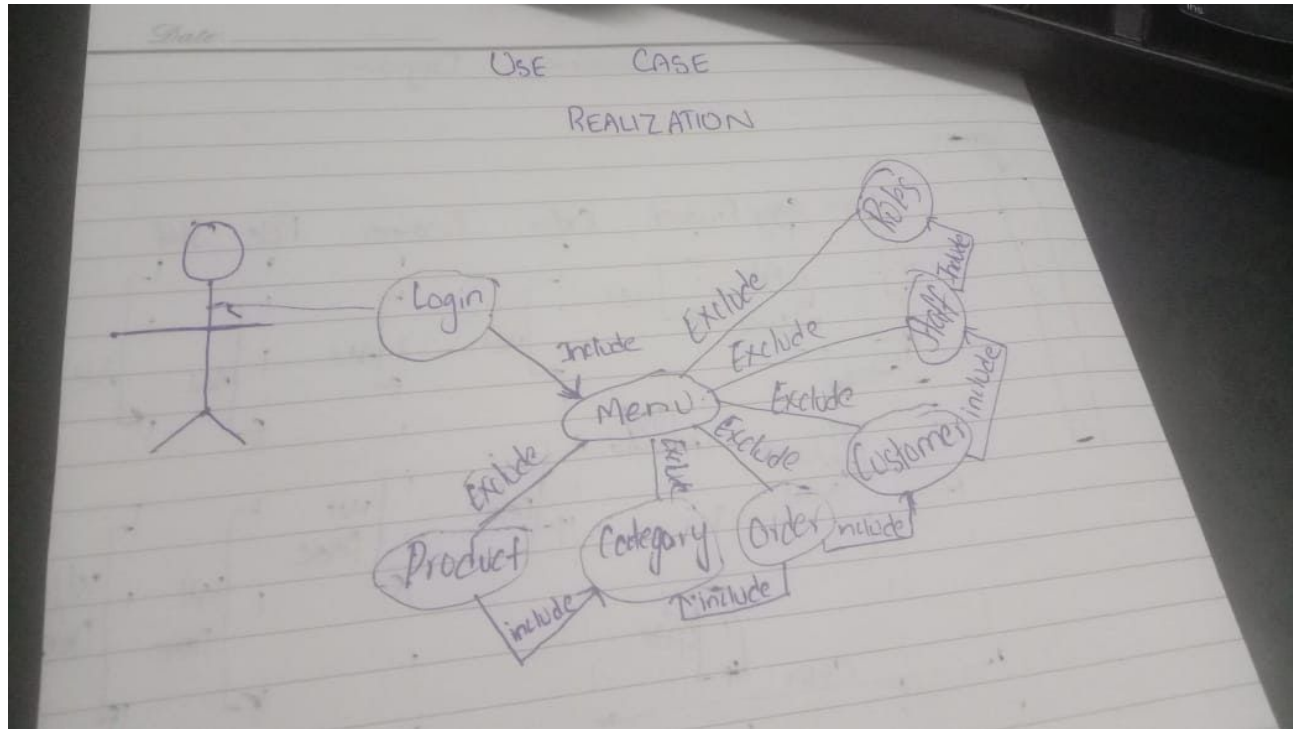


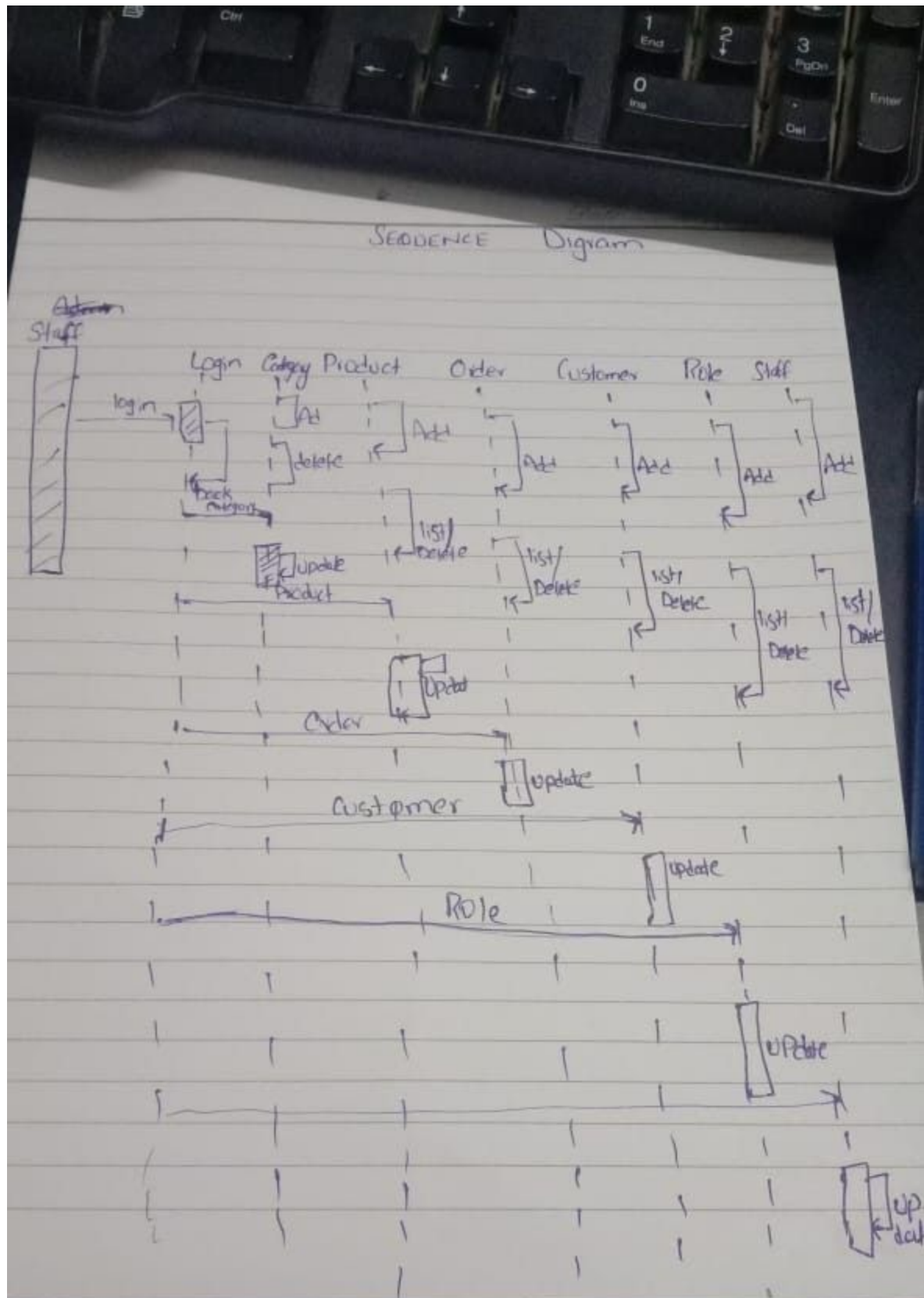
CLASS DIAGRAM

CS

Scanned with CamScanner

USE CASE





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Appendix C: To Be Determined List

The user will be assigned with a Username and Password. By using that Username and Password the user will login. Database will authenticate the given id and password and if it exists in the database. If the user id and password is present in the database the user will see the welcome screen or selection options (show Product, show roles, show staff)