**Pharmacy Management System**

This is an online management system for managing the inventory activities of an Pharmacy. Pharmacy is involved with many management activities involved with its Employees, Drugs and Inventory. Most of the managing activities need an organized methodology to process in order to meet customer satisfaction. This proposed pharmacy management system has a number of functions, one of which is to ensure the safe and efficient administration of pharmaceutical medications. During the dispensing process, the system will alert the stock manager to double-check that the drug they've stored in the correct way, has the correct quantity and dosage, and that the prescription label contains accurate information.

| Brief Description | User Registration |
| --- | --- |
| Basic Flow | This use case describes how a client registers into the system.   1. The admin registers the employees of the Pharmacy to the Online system. 2. After successful registration, Admin will get a success message. 3. The following information is required during registration.  * Name * Employee ID number * Address * Mobile Number |
| Alternate Flow | 1. The system will validate the information provided. If any invalid data is found, the input form will be redirected with an error message. |
| Validation | 1. Name is required and minimum 3 characters & max 30 characters. 2. Address can be alphanumeric. 3. Mobile Number should only contain numerics & length should be 10. |
| Pre-Condition | Staff should provide necessary details. |
| Post-Condition | Success message should be shown. |

| Brief Description | Login |
| --- | --- |
| Basic Flow | This use case describes how a user log-in in to the system   1. Staff members are registered by the admin to the system 2. After successful registration, staff members can login to the system by themselves. 3. After the successful login, user will be taken to the appropriate landing page. 4. The following information is required to login.  * username * password |
| Alternative Flow | The system will validate the credentials provided. If credentials are invalid, the login form will be redirected again with an error message. |
| Validation | Valid username  Valid password |
| Pre-Conditions | User should have proper network access, and user should give valid login credentials |
| Post-Conditions | Success message should be displayed, and should be navigated to the relevant page. |

| Brief Description | Insert Supplier Details |
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| Basic Flow | This use case describes how a drug supplier registers into the system.   1. The admin inserts the details of the suppliers of Pharmacy to the Online system. 2. After inserting supplier details successfully, the admin will get a success message. 3. The following information is required when inserting the supplier into the system. After inserting a supplier into the system, the supplier id will be auto generated.  * Name * Supplier NIC * Address * Mobile Number |
| Alternative Flow | 1. The system will validate the information provided. If any invalid data is found, the input form will be redirected with an error message |
| Validation | 1. Name is required and minimum 3 characters & max 30 characters. 2. All fields are required 3. The address can be alphanumeric. 4. Mobile Number should only contain numerics & length should be 10. |
| Pre-Conditions | Suppliers should provide necessary details |
| Post-Conditions | Success message for the supplier insertion should be displayed by the system |

| Brief Description | Insert drug purchasing details to the system |
| --- | --- |
| Basic Flow | This use case describes how a drug purchasing payment details insert into the system.   1. The stock manager inserts the drug purchasing payment details to the system after purchasing the drugs from suppliers. 2. After inserting drug purchasing payment details to the system, the system displays a success message. 3. The following information is required when inserting the supplier into the system.  * OrderId * Drug Id * Drug quantity * Supplier Id * Order date * Order received date * Amount * Payment receipt(jpg,jpeg or pdf format) |
| Alternative Flow | 1. The system will validate the information provided. If any invalid data is found, the input form will be redirected with an error message |
| Validation | 1. All fields are required 2. Payment receipt should be a jpg, jpeg or pdf format. |
| Pre-Conditions | Stock manager should have valid drug purchasing payment details. |
| Post-Conditions | Success message for the data insertion should be displayed by the system. |

| Brief Description | Order Drugs |
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| Basic Flow | This use case describes how a drug supplier gets orders into the system.   1. The admin inserts the details of the drugs of Pharmacy into the Online system. 2. After inserting drug details successfully, the admin will get a success message. 3. The following information is required when inserting the drugs into the system.  * Name * Drug Id * Supplier Id |
| Alternative Flow | 1. The system will validate the information provided. If any invalid data is found, the input form will be redirected with an error message 2. If the form order submits with an empty field it is shown the error message |
| Validation | 1. Name is required and minimum 3 characters & max 30 characters. 2. All fields are required |
| Pre-Conditions | Suppliers should provide necessary drug details |
| Post-Conditions | Success message for the drug details insertion should be displayed by the system. |

**Use Case Diagram**

