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Bluecross pharmacy

COURSE NO. QUAL8370

**Quality Assurance Test Plan Report for Hospital Management System**

**Site Description**

**Persona:**

At Bluecross Pharmacy, we pride ourselves on being your trusted partner in health and wellness. Our team of expert pharmacists is dedicated to ensuring that you receive only the best, most personalized care. Whether you're in need of over-the-counter medications or prescription drugs, we have the knowledge and expertise to guide you every step of the way.

We understand that choosing the right medication can be a daunting task, which is why we take the time to educate our patients on the potential side effects and interactions of each medication. Our goal is to help you make informed decisions that prioritize your health and well-being.

At Bluecross Pharmacy, we go above and beyond to ensure that you have a seamless and stress-free experience. Our convenient prescription request process allows you to easily order your medications with a written prescription provided by your doctor. We're here to provide the support and guidance you need to achieve optimal health and wellness. Choose Bluecross Pharmacy for all your medication needs and experience the difference that personalized care can make.

**Domain:**

To use the site, one needs to have knowledge in pharmacy and medical record keeping. The site will store the patient's medical information and generate invoice upon checkout in pdf format.

**Priorities:**

The pharmacy requires the store to perform the basic CRUD operations. The site should be able to create and add a new patient, read from the database and display the patient list, update the patient's entries on request and delete entries.

**Architecture:**

The site is built on the PHP. It has a front-end (the user interface) and a backend (API and Database). For the front-end, html, css/bootstrap is used. For the back-end, php are used to make the API that facilitates communication between the front-end and the backend. Lastly, the site stores and retrieves the patient's data in mysql.

**Infrastructure:**

To run the code you will have to import the files locally into htdocs Folder in Xampp and start SQL and Apache Servers on the XAMPP application. To run the application in web browser write Localhost/application name in the browser URL Section.

**Features, User Flow and Test Cases**

The site has six main features. These include:

* Site Navigation: Our site is designed to be easy to navigate, with clear and concise menus that will help you find what you're looking for quickly.
* Patient List: Our patient list is a central hub for all your patient data. You can easily view, search, and filter your patient data to find the information you need.
* Add New Patient: Our "Add New Patient" feature allows you to quickly and easily add new patients to your list. Simply input their information and save.
* Edit Patient Details: With our "Edit Patient Details" feature, you can easily update patient information at any time. This includes details such as name, address, and contact information.
* Delete Patient: If you need to remove a patient from your list, our "Delete Patient" feature makes it quick and easy to do so.

**Site Navigation:**

* Navigate the site easily by clicking on the navigation link in the navigation bar.
* Quickly go back to the previous page by clicking on the back button.

**Patient List:**

* Access the patient list from the home page and view all patients listed.
* Filter the patient list by gender using the gender select box to view patients as per the specified filter.

**Add New Patient:**

* Add a new patient to the list by clicking on "Add New Patient" on the home page.
* Fill out the patient information form and add the new patient to the list by clicking "Add."
* Confirm that the new patient is now listed on the patient page.

**Edit Patient Details:**

* Edit patient details by selecting the patient from the patient list and clicking on the "Edit" button.
* Update the patient information in the edit form and save changes by clicking "Done."
* Confirm that the patient entry has been updated on the patient page.

**Delete Patient:**

* Delete a patient from the list by selecting the patient from the patient list and clicking on the "Delete" button.
* Confirm the deletion by clicking "OK" in the confirmation popup.
* Verify that the patient has been removed from the list and the patient list has been updated accordingly.

**Test Cases for each of the Features:**

***Feature: Site Navigation***

***Aim: Test for accurate navigation to the respective pages***

***Testing Framework:***

|  |  |  |
| --- | --- | --- |
| **ID** | **Test Scenario** | **Expected Results** |
| N001 | User Clicks on Home Link | The site displays the Home page |
| N002 | User Clicks on Patient List Link | The site displays the Patient list page |

***Feature: Patient List***

***Aim: Test for accurate fetching of data from database and displaying it on home page/Patient list page***

***Testing Framework: Decision-Table***

|  |  |  |
| --- | --- | --- |
| **ID** | **Test Scenario** | **Expected Results** |
| L001 | User opens Patients page | The site displays all Patients in table format |
| L002 | User clicks on Gender - Male Filter | The site displays all Male Patients and their details |
| L003 | User clicks on Gender - Female Filter | The site displays all Female Patients and their details |

***Feature: Add New Patient***

***Aim: Test on form input validation and response***

***Testing Framework: Decision-Table***

|  |  |  |
| --- | --- | --- |
| **ID** | **Test Scenario** | **Expected Result** |
| N001 | User enters no values on any of the fields | The site shows an error message against all the required fields and does not proceed with the Add Patient function |
| N002 | User enters an invalid name – less than 2 characters | The site shows an error message against the first name field stating “Name too short” |
| N003 | User selects a date that is greater than today’s date on the date of birth | The site shows an error message stating “Date of birth should be less than current date |
| N005 | User inputs letters on the phone number field | The site does not receive the input as it is not in number form |

***Feature: Edit Patient***

***Aim: Test on form input validation and response***

***Testing Framework: Decision-Table***

|  |  |  |
| --- | --- | --- |
| **ID** | **Test Scenario** | **Expected Results** |
| E001 | User clicks on edit button | The site displays the edit form |
| E002 | User enters invalid name – less than 2 characters | The site shows an error message against the first name field stating “Name too short” |
| E003 | User selects a date that is greater than today’s date on the date of birth | The site shows an error message stating “Date of birth should be less than current date |
| E004 | User inputs letters on the phone number field | Site does not receive the input as it is not in number form |
| E005 | User clicks on update button having filled valid inputs | The site updates the Patient and shows updated data on the Patient list |

***Feature: Delete Patient***

***Aim: Test on feature functionality***

***Testing Framework: Decision-Table***

|  |  |  |
| --- | --- | --- |
| **ID** | **Test Scenario** | **Expected Results** |
| **D001** | User clicks on the Delete button against a patient entry | The site deletes the Patient and refreshes the Patient list. |
|  |  |  |

Automation Tests:

* The initial automated test inputs valid data into the relevant fields for adding a new patient record, and then verifies that the system displays an message confirming the creation of a new patient.
* In the second automated test, the system receives invalid data when attempting to create a new patient record, and the test confirms that the system displays an error message and does not add the patient to the system.
* The third automated test clicks the delete button for a first patient record, and the test checks that the patient is successfully removed from the system.

Output Screenshots:

