February 11, 2020

*DOUH Hospital Management SYSTEM (DOUH HMS) Testing Plan & Log*

# **Test Plan Overview**

## **Introduction**

This document is a blueprint for the testing approach of the DOUH Hospital Management System to ascertain the system meets the business requirements. The document introduces the test strategy, the execution strategy, and the test management.

Based on the use cases listed in the event table of the Project System analysis & Design document, 14 Test Cases will be created for this exercise. The Tester will execute the tests as stipulated for each Test case and will document the outcome as specified.

It is the plan of the DOUH HMS team to evaluate and utilize the outputs of this test exercise to generate the Test Summary report and the Incident Reports where applicable.

## **Features not to be tested**

* Admin gets alerted when users update their profile
* Patient gets an email notification when he books an appointment
* Patient can create a review of Doctor after a visit to the hospital
* Patient can book double appointments in a day
* Nurse can send prescriptions to a Pharmacy shop
* Nurse can cancel a patient’s appointment
* Create Janitor account

## **Environmental needs**

* PhpStorm IDE 2019.2.1
* DOUH HMS Team member Laptop
* HCCIS web hosting platform
* Web browser
* Illuminate
* Composer
* MySQL

## **Testing tasks & schedule**

The DOUH HMS project team will be engaging XYZ, the Project Manager of team ABC to conduct the test exercise. The testing exercise shall be conducted on February 11, 2020 at Room 205W using the Laptop of a team member.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 1** | | | | | |
| **Test Description:** Admin creates a Doctor account | | | | | |
| **Use Case:** Create Doctor account | | | | | |
| **Functional Requirements Tested:** Only the system Administrator can create an account for a new Doctor | | | | | |
| **Acceptance Criteria:** An account is created for a Doctor and a message displays to show account creation was successful | | | | | |
| **Special Requirements:** Admin must be logged on | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Registration Form | Doctor provides all the required contact details. Admin hit the register button to create an account for the Doctor | Valid Doctor’s particulars | | System Admin created an account for the Doctor. A message will display to show account creation was successful | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 2** | | | | | |
| **Test Description:** Admin creates a Nurse account | | | | | |
| **Use Case:** Create Nurse account | | | | | |
| **Functional Requirements Tested:** Only the system Administrator can create an account for a new Nurse | | | | | |
| **Acceptance Criteria:** An account is created for a Nurse and a message displays to show account creation was successful | | | | | |
| **Special Requirements:** Admin must be logged on | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Registration Form | Nurse provides all the required contact details. Admin hit the register button to create an account for the Doctor | Valid Nurse’s particulars | | System Admin created an account for the Nurse. A message will display to show account creation was successful | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 3** | | | | | |
| **Test Description:** Register a patient | | | | | |
| **Use Case:** Register patient | | | | | |
| **Functional Requirements Tested:** Patient can register an account | | | | | |
| **Acceptance Criteria:** A patient can be registered, and a message should display to show account creation was successful | | | | | |
| **Special Requirements:** Patient must have the required information for registration | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Patient Registration Form | Patient fills in all the required details and hits the register button. | Valid Patient’s particulars | | Patient can register an account and a message will display to show that account was created successfully | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 4** | | | | | |
| **Test Description:** Nurse wants to create a medical record for a Patient | | | | | |
| **Use Case:** Create patient medical record | | | | | |
| **Functional Requirements Tested:** Nurse can create a medical record for a patient | | | | | |
| **Acceptance Criteria:** Nurse can create a new medical record for a patient visiting the hospital | | | | | |
| **Special Requirements:** Nurse must be logged on | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Patient Medical Record Form | Nurse fills in all the Patient’s vital records | Blood Pressure – 120/80mmHg,  Weight – 80kg,  Height – 1.6m,  Pulse Rate – 70bpm, notes | | Nurse can add the vital records of the patient to the patient’s medical record | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 5** | | | | | |
| **Test Description:** Logged in Doctor cannot access other Doctors’ account information | | | | | |
| **Use Case:** Doctor view only his personal information | | | | | |
| **Functional Requirements Tested:** Change the id in the URL | | | | | |
| **Acceptance Criteria:**  Doctors are not allowed to see another doctor’s information | | | | | |
| **Special Requirements:** The doctor should be logged in | | | | | |
| **Test Result: Fail** | | | | | |
| **Issues/Comments:** Test did not meet the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Doctor information view form | Change the id in the URL | Id that holds an information of a doctor | | Doctor are not allowed to see another doctor’s information | Doctor was able to access other Doctors account |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 6** | | | | | |
| **Test Description:** Patient can log into his account | | | | | |
| **Use Case:** Patient log in | | | | | |
| **Functional Requirements Tested:** Patient can log into his account after he registers an account | | | | | |
| **Acceptance Criteria:** A patient was able to log into his account with the log in credentials used when registering an account | | | | | |
| **Special Requirements:** Patient must have an active account | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Patient log in form | Enter username and password and hit the login button | Username: patient  Password: 12345@! | | Patient successfully logged in message displays and the Patient is directed to his Personal profile page | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 7** | | | | | |
| **Test Description:** Nurse can log into his account | | | | | |
| **Use Case:** Nurse log in | | | | | |
| **Functional Requirements Tested:** Nurse can log into his account after an account is set-up for him by the Admin | | | | | |
| **Acceptance Criteria:** A Nurse was able to log into his account with the log in credentials issued to him by the Admin | | | | | |
| **Special Requirements:** Nurse must have an active account | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Nurse log in form | Enter username and password and hit the login button | Username: nurse  Password: 12345@! | | Nurse successfully logged in message displays and the Nurse is directed to his Personal profile page | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 8** | | | | | |
| **Test Description:** Doctor can log into his account | | | | | |
| **Use Case:** Doctor log in | | | | | |
| **Functional Requirements Tested:** Doctor can log into his account after an account is set-up for him by the Admin | | | | | |
| **Acceptance Criteria:** A Doctor was able to log into his account with the log in credentials issued to him by the Admin | | | | | |
| **Special Requirements:** Doctor must have an active account | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Doctor log in form | Enter username and password and hit the login button | Username: doctor  Password: 12345@! | | Doctor successfully logged in message displays and the Doctor is directed to his Personal profile page | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 9** | | | | | |
| **Test Description:** Admin should have the ability to do the CRUD operation to all users | | | | | |
| **Use Case:** Admin create patient account | | | | | |
| **Functional Requirements Tested:** Admin add a patient | | | | | |
| **Acceptance Criteria:**  Admin should have the ability to add a patient | | | | | |
| **Special Requirements:** The admin should be logged in | | | | | |
| **Test Result: Fail** | | | | | |
| **Issues/Comments:** Test did not meet the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Registration a patient | Use the url to change to the registration page or choose registration page | A valid patient information | | Admin should be adding a patient | Expected result was not achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 10** | | | | | |
| **Test Description:** Booking of an appointmentbefore the current date | | | | | |
| **Use Case:** Book an appointment | | | | | |
| **Functional Requirements Tested:** Booking | | | | | |
| **Acceptance Criteria:**  A message should show up at the top of the screen | | | | | |
| **Special Requirements:** The user must log in before any booking an appointment | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations/ the message will show up after hitting add profile | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Booking appointment | Patient booking an appointment | Health Card number and an upcoming date and current date | | System checks the date of the booking if it valid or not | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 11** | | | | | |
| **Test Description:** Adding a user with a username that already exists | | | | | |
| **Use Case:** General Registration | | | | | |
| **Functional Requirements Tested:** Register any type of user with the same username | | | | | |
| **Acceptance Criteria:**  A message should show up at the top of the screen | | | | | |
| **Special Requirements:** Username that does not exist in database | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations/ the message is only showing up after hitting add profile | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Registration Form | Doctor provides all the required contact details. Admin hit the register button to create an account for the Doctor | Username: doctor  Password: 12345@!  \*note you need similar username | | System checks the unique values that should not have the same values | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 12** | | | | | |
| **Test Description:** Nurse can view their profile information. | | | | | |
| **Use Case:** View nurse profile. | | | | | |
| **Functional Requirements Tested:** Nurse can login and view their own profiles only. | | | | | |
| **Acceptance Criteria:** Nurse must be logged in to view their profile information only. | | | | | |
| **Special Requirements:** Nurse must be able to see the profile information and have the option to update it in case of any change in record. | | | | | |
| **Test Result:** Passed | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Nurse Profile Record | Nurse is able to view their profile information and have option to update. | Name: Ransom Mertz  Date of Birth: 1970-04-06  Gender: Female  Phone: 1112223334  Email: Ransom.mertz@douh.com  Address: 140 Weymouth street, Charlottetown PE. | | Nurse can view their profile information and have option to update to keep it current. | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 13** | | | | | |
| **Test Description:** Patient can view their profile information. | | | | | |
| **Use Case:** View patient profile. | | | | | |
| **Functional Requirements Tested:** Patient can login and view their own profiles only. | | | | | |
| **Acceptance Criteria:** Patient must be logged in to view their profile information only. | | | | | |
| **Special Requirements:** Patient must be able to see the profile information and have the option to update it in case of any change in record. | | | | | |
| **Test Result:** Passed | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Patient Profile Record | Patient is able to view their profile information and have option to update. | Name: Brittany Bergnaum  Health card number: 83334535  Date of Birth: 1970-04-06  Gender: Female  Phone: 1231231234  Email: Brittany.bergnaum@gmail.com  Address: 140 Weymouth street, Charlottetown PE. | | Patient can view their profile information and have option to update to keep it current. | Expected result achieved |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #: 14** | | | | | |
| **Test Description:** Doctor wants to add notes to a Patient’s medical record | | | | | |
| **Use Case:** Add notes to patient medical record | | | | | |
| **Functional Requirements Tested:** Doctor to add diagnostic notes to patients’ medical record | | | | | |
| **Acceptance Criteria:** Doctor can add notes to the patients’ medical record | | | | | |
| **Special Requirements:** Doctor must be logged on | | | | | |
| **Test Result: Passed** | | | | | |
| **Issues/Comments:** Test met the expectations | | | | | |
| **Tested By: Md Ahsanul Hoque** | | | **Date Tested: February 11, 2020** | | |
|  | | | | | |
| **Test Case Details** | | | | | |
| **Screen/Field/Form** | **Action** | **Data Value** | | **Expected Result** | **Actual Result** |
| Patient Medical Record Form | Doctor fills in his notes on the diagnosis of the patient | Diagnostic notes, required blood work | | Doctor to add notes on patients record | Expected result achieved |