Medical Management System

Project Name: medical management System

Test Engineer: Sinan

Date: 10/01/2023

Prepared by: Monika

1.Test Objective or Aim:

The objective of the testing is to ensure that the online medical management system is working as intended and meets the requirements and specifications. The testing will cover the functional.

2.Scope of testing:  
 **a) Within the scope:**

* Checking the appointment
* Checking the available doctors
* Creating the appointment
* Manual Testing

**b) Out of scope:**

* + Automation Testing
  + Stress Testing
  + Performance Testing

3.Test Strategy:

**a) Levels of testing:**

* **System testing**: Testing the system as a whole, including the front-end and back-end functionality

**b) Types of testing:**

* **Functional testing**: Testing the functional requirements and features of the system
* **Black-box testing**: Black box testing involves testing a system with no prior knowledge of its internal workings.
* **Integration testing**: Testing the integration of different modules and components of the system

**c) Test Design Techniques:**

* BVA
* EP

**d) Configuration Management tool:**

* GIT

**e) Terminology:**

* Test Plan
* Test Scenarios
* Test Cases
* Defect Log
* RTM

1. Exit and Entry criteria:
   1. **Entry Criteria:**

* Test Environment Ready
* Build available for testing
* Test data ready to test execution
* Test Scenarios and Test Cases are created
  1. **Exit Criteria:**
* All the Test Cases are executed
* Defect not are of low severity
* Schedule didn’t get extended

5.Test deliverables:

* Test plan
* Test cases
* Test scenarios
* Defect logs
* Project Documentation

6.Roles and Responsibility:

Test Engineer: Sinan, Nivash - Developed java code, Database connection and creation.

Monika, Satish - Prepared Test Plan.

Mounika, Minhaj - Prepared test scenarios, Test cases, Defect logs and RTM

7.Risks and mitigation:

* Lack of personal resources when testing is to begin.
* Lack of availability of required hardware, software, data or tools.
* Late delivery of hardware, software, data or tools.
* Reviewing test plan and modifying components.
* Restoring data and restarting
* Clear database

1. Schedule:

|  |  |  |
| --- | --- | --- |
| **Task** | **Members** | **Estimation effort** |
| Writing java code, database connection and database creation. | Sinan, Nivash | 50 man- hour |
| Test Plan | Monika, Satish | 2 man- hour |
| Test Scenarios, Test Cases, Defect log and RTM | Mounika, Minhaj | 4 man- hour |
| Total |  | 57 man - hour |

1. Test Environment:
   1. System Test Environment

* Database Server (oracle 11g) – 8gb ram, 150gb hard disk, 3.2ghz
* java version “1.8.0\_341”
* Eclipse IDE

1. Approval Information:

**Project Manager**: reviews the content of the test plan, test strategy and test estimates signs off on it.

**Test Manager**: reviews of test cases, test conditions, test data names and titles of persons who must approve this plan

**Signature:**

**Name:**

**Role:**

**Date:**

Date

1. Test Metrics:

* Passes test cases percentage= (Number of passed Tests/Total number of tests executed) \*100
* Fixed Defects percentage= (Defects Fixed/Defects Reported) \*100
* Defects Deferred percentage= (Defects deferred for future releases/Total Defects Reported) \*100
* Average time for a development team to repair defects= (Total time taken for bug fixes/Number of bugs
* Number of tests run per time period= Number of tests run/Total time.