**TEST PLAN**

**VERSION HISTORY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Written By** | **Revision Date** | **Approved By** | **Approval Date** | **Outline** |
| **1.o** | **Bincy Gijo** | **1/14/2018** |  |  | **Test Plan Hospital Management** |

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**INTRODUCTION**

The test plan is designed to prescribe the scope, approach, resource and schedule of all the intended testing activities of the project Hospital Management System.

The test plan is to identify the items to be tested, features to be tested, the type of testing to be performed, the personnel responsible for testing, the recourse and schedule required to complete testing and the risk and mitigation plan associated with the test plan.

1. **TEST STRATEGY**
   1. **Test Type**

In the Hospital Management project, there are 6 type of testing should be conducted.

* Functional Testing
* Regression Testing
* System Testing
* Integration Testing
* Usability Testing
* API Testing
  1. **Scope of testing**
     1. **Features to be tested**

All the features of Hospital Management system that are defined the requirement should be tested.

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Role** | **Description** |
| Admin |  |  |
| Front End Patient |  |  |
| Doctor | Doctor | Doctor can view their profile |
| Nurse |  |  |
| Support staff |  |  |
| Lab |  |  |
| Pharmacist |  |  |
| Accounts |  |  |
| Outpatients |  |  |
| Appointment |  |  |
| Prescription |  |  |
| Treatment |  |  |
| Bed |  |  |
| Operation theatre |  |  |
| Medicine |  |  |
| Diagnosis reports |  |  |
| Invoice |  |  |
| Blood bank |  |  |
| Ambulance |  |  |
| Notice –Event |  |  |
| Message |  |  |
| Management reports |  |  |
| Once click install |  |  |
| Powerful features with unique design |  |  |

* + 1. **Features not to be tested**

These features are not to be tested because these are not included in the requirement specifications.

* User Interfaces
* Hardware Interfaces
* Website security
  1. **Risks and Issues**

|  |  |
| --- | --- |
| **Risks** | **Mitigation plan** |
| Lack of skill for team members | Training to skill up members |
| Project time schedule is too tight to complete the project on time. | Set priority for each task |

* 1. **Test Logistics**
     1. **Who will test?**

The project should use 2 testers work 8 hours per day.

* + 1. **When will test occur?**

The tester will start test execution when the following inputs are ready.

* Test environment is ready
* Test framework is ready
* Enough human resource for testing
* All the software, hardware and database are ready

1. **TEST OBJECTIVE**

The test objectives are to verify the functionality of Hospital Management website; the project should focus on doctor, nurse, staff, treatment, operation list etc to guarantee all modules work as per the business environment.

1. **TEST CRITERIA**
   1. **Suspension criteria**

If the team member reports that there are 40% of the test cases are failed, suspend the test until the development team fixes all the failed test cases.

* 1. **Exit criteria**
* Run rate mandatory to be 100% unless a clear reason is given
* Pass rate is 80%

1. **RESOURCE PLANNING**
   1. **System resource**

* Server/software
* Network
* Computer
* Test management and defect management tools
* Framework
  1. **Human resource**
* Test manager
* Testers
* Developers
* Test administrator

1. **TEST ENVIRONMENT**

Test environment should be properly set up as per the requirement.

1. **SCHEDULE & ESTIMATION**
   1. **All project task and estimation**

|  |  |  |
| --- | --- | --- |
| **Task** | **Member** | **Estimate Effort** |
| Create the test specification | Test manager/designer | 200 man hours |
| Perform test execution | Tester | 100 man hours |
| Test report | Tester | 20 man hours |
| Test delivery |  | 20 man hours |
| Total |  | 340 man hours |

1. **TEST DELIVERABLES**

Test deliverables are provided below

* 1. **Before testing phase**
* Test plan
* Test condition/test cases
* Test design
  1. **During the testing**
* Select test tool
* Prepare test data
* Prepare traceability matrix
* Test log
  1. **After the testing**
* Test report
* Defect report
* Release note
* Installation guidelines