TEST PLAN

Version 1.0

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VERSION HISTORY

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1 INTRODUCTION

1.1 PURPOSE OF THE TEST PLAN DOCUMENT

The Test Plan document documents and tracks the necessary information required to effectively define the approach to be used in the testing of the project's product. The Test Plan document is created during the Planning Phase of the project. Its intended audience is the project manager, project team, and testing team. Some portions of this document may on occasion be shared with the client/user and other stakeholder whose input/approval into the testing process is needed.

2 FUNCTIONAL TESTING

2.1 TEST RISKS / ISSUES

The Functional Test Suite Prepared would be run by testing team member after Deployment of a functionality in each Sprint.

The Risks involved are:

- The testing is intended to be performed at later stage of sprint.
- > Competency of testers for functional testing.
- > Timeline for the product is less to perform functional testing in a detailed manner

Exhaustive testing cannot be performed. Hence only the test cases mentioned in Functional test suite which are approved by the Product owner will be performed.

2.2 ITEMS TO BE TESTED / NOT TESTED



Item to Test	Test Description	Test Date	Responsibility
Modify Appointment	User with access to modify can modify the Appointment	26/3/2015	Bharadwaj
Login	Authenticated User can only login to the application.	26/3/2015	Bharadwaj
View Appointment	User can view their or authorized appointments	26/3/2015	Bharadwaj
Submit Symptom Report	User is able to submit system report	26/3/2015	Bharadwaj
View Reports User with proper access car view reports		26/3/2015	Bharadwaj
Suggest a Care Hospital Personal can suggest a care.		26/3/2015	Bharadwaj

2.3 TEST APPROACH(S)

Test Objectives:

To find any defects at the end of each sprint for the functionalities.

- 1. To ensure that all requirements have been met.
- 2. All the test cases in functional test cases have been performed and documented.
- 3. There are no Priority 1 and Priority 2 Defects and all the defects have been mitigated
- 4. In order to get early picture of quality of the software high priority test cases which are approved by Product owner would be executed earlier.

Goals

- ➤ All the Test cases are properly documented and have necessary approvals.
- Entrance and Exit criteria are met and adhered to.
- ➤ All the required Exit documents have been prepared.
- > The Software Developed meets Quality Requirements.

2.4 TEST REGULATORY / MANDATE CRITERIA

There are no regulations or mandates to test against for the above software.

2.5 TEST PASS / FAIL CRITERIA

The test case will be marked as pass if the requirement/functionality works as per expectation.

The Test case would be regarded as failed if it deviates with the documented behavior which the product owner feels can cause a problem.

2.6 TEST ENTRY / EXIT CRITERIA

Test Entry Criteria: After Approval from Developer and Product owner and the deployment is completed in the sprint.

Test Exit Criteria: All the test cases have been executed and there are no defects which are not fixed. Moreover if the No. of defects which are in process are less than or equal to given number than still test exit can take place.

No. of priority 1 Defects: 0

No. of priority 2 Defects: 0

No. of priority 3 Defects: 2

No. of priority 4 Defects: 5

2.7 TEST DELIVERABLES

The Deliverables intended are the No. of test cases executed and test cases which have passed or failed with proper comments.

2.8 TEST SUSPENSION / RESUMPTION CRITERIA

Testing can be suspended if there is any change any major code change during the testing phase which effects the functionality. Also any suspension or resumption activity should need to be approved by Stake holders and product owner.

2.9 TEST ENVIRONMENTAL / STAFFING / TRAINING NEEDS

Testers have some experience in functional testing.

The Tests will be done on a Desktop application which has JDK 8.0 or More installed and Heap memory of minimum 512 MB.

3 SYSTEM TESTING

3.1 TEST RISKS / ISSUES

The Risks involved are:

- > The testing is intended to be performed at later stage of sprint.
- Competency of testers for System testing.
- ➤ The Integration issues are complex and difficult to detect.

3.2 ITEMS TO BE TESTED / NOT TESTED

Item to Test		Test Description	Test Date	Responsibility
Create a report		A Symptom Report should be created Successfully.	04/02/2015	Bharadwaj
View Reports		Reports can be viewed Successfully	04/02/2015	Bharadwaj
Suggest a created Report		The Symptom report created is suggested a care	04/02/2015	Bharadwaj
Schedule appointment patient	for the	The patient who created the appointment is scheduled an appointment.	04/02/2015	Bharadwaj
Modify the appointment		The appointment is modified	04/02/2015	Bharadwaj

3.3 TEST APPROACH(S)

To find any defects at the end of each sprint on the functionality developed by development team.

High Priority test cases will be executed first so as to ensure high priority defects are detected early.

To ensure that all requirements have been met.

All the test cases in test case suite have been executed and documented.

There are no Priority 1 and Priority 2 Defects and all the defects have been mitigated

Goals

- > All the Test cases are properly documented and have necessary approvals.
- Entrance and Exit criteria are met and adhered to.
- > All the required documents have been prepared.

3.4 TEST REGULATORY / MANDATE CRITERIA

There are no regulations or mandates to test against for the above software.

3.5 TEST PASS / FAIL CRITERIA

The test case will be marked as pass if the requirement/functionality works as per expectation.

The Test case would be regarded as failed if it deviates with the documented behavior which the product owner feels can cause a problem.

3.6 TEST ENTRY / EXIT CRITERIA

Test Entry Criteria: After Approval from Developer and Product owner and the deployment is completed in the sprint.

Test Exit Criteria: All the test cases have been executed and

No. of priority 1 Defects: 0

No. of priority 2 Defects: 0

No. of priority 3 Defects: 2

No. of priority 4 Defects: 5

3.7 TEST DELIVERABLES

Test Case Document with test cases executed and test case pass and fail along with Defects.

3.8 TEST SUSPENSION / RESUMPTION CRITERIA

Testing can be suspended if there is any change any major code change during the testing phase which effects the functionality. Also any suspension or resumption activity should need to be approved by Stake holders and product owner.

3.9 TEST ENVIRONMENTAL / STAFFING / TRAINING NEEDS

The Tests will be done on a Desktop application which has JDK 8.0 or more installed and Heap memory of minimum 512 MB.

4 UNIT TESTING

4.1 TEST RISKS / ISSUES

The Risks involved are:

- The testing is intended to be performed at later stage of sprint.
- ➤ Competency of Developers to find unit test and test correctly.

4.2 ITEMS TO BE TESTED / NOT TESTED

Item to Test	Test Description	Test Date	Responsibility
Patient Class	All the Functionalities, Exceptions work as intended	03/23/2015	Clinton
Doctor Class	All the Functionalities, Exceptions work as intended	03/23/2015	Clinton
Nurse Class	All the Functionalities, Exceptions work as intended	03/23/2015	Clinton
Receptionist Class	All the Functionalities, Exceptions work as intended	03/23/2015	Clinton
Appointment class	All the Functionalities, Exceptions work as intended	03/23/2015	Clinton
Symptom class	All the Functionalities, Exceptions work as intended	03/23/2015	Clinton

4.3 TEST APPROACH(S)

To find any defects at the end of each sprint on the functionality developed by development team

- 1. To ensure that all requirements have been met.
- 2. All the test cases in test case suite have been executed and documented.
- 3. There are no Priority 1 and Priority 2 Defects and all the defects have been mitigated

Goals

- All the Test cases are properly documented and have necessary approvals.
- > Entrance and Exit criteria are met and adhered to.
- > All the required documents have been prepared.

4.4 TEST REGULATORY / MANDATE CRITERIA

The unit tests should be performed using JUNITS.

4.5 TEST PASS / FAIL CRITERIA

The test case will be marked as pass if the requirement/functionality works as per expectation.

The Test case would be regarded as failed if it deviates with the documented behavior which the product owner feels can cause a problem.

4.6 TEST ENTRY / EXIT CRITERIA

Test Entry Criteria: After Approval from Developer and Product owner and the deployment is completed in the sprint.

Test Exit Criteria: All the test cases have been executed and

No. of priority 1 Defects: 0 No. of priority 2 Defects: 0 No. of priority 3 Defects: 2 No. of priority 4 Defects: 5

4.7 TEST DELIVERABLES

Test Case Document with test cases executed and test case pass and fail along with Defects.

4.8 TEST SUSPENSION / RESUMPTION CRITERIA

Testing can be suspended if there is any change any major code change during the testing phase which effects the functionality. Also any suspension or resumption activity should need to be approved by Stake holders and product owner.

4.9 TEST ENVIRONMENTAL / STAFFING / TRAINING NEEDS

The Unit tests should be performed using Junit.

The testers should have proper knowledge of Junits.

Appendix A: References

The following table summarizes the documents referenced in this document.

Document Name and Version	Description	Location	
Test strategy	Test Strategies employed	http://en.wikipedia.org/wiki/Test_strategy	
Types of risks	Different types of risks in Testing	http://www.softwaretestinghelp.com/types-of-risks-in-software-projects/	
Compatibility Testing	What is Compatibility Testing	http://en.wikipedia.org/wiki/Compatibility_testing	
Test Approach	Different test approaches	http://www.tutorialspoint.com/software_testing_dictionary/test_approach.htm http://www.satisfice.com/presentations/strategy.pdf	
Test Plan Templates	Writing a good test plan	http://www.softwaretestinghel p.com/test-plan-sample- softwaretesting-and-quality- assurance-templates/	
		http://www.softwaretestinghel p.com/how-to-write-test-plan- document-software-testing- training-day3/	

Appendix B: Key Terms

The following table provides definitions for terms relevant to this document.

Term	Definition	
Test Approach	Strategy for execution of the test cases.	
Compatibility testing	Generally Referred as UI Testing aims at checking the compatibility of software	
Priority	It is the level given to an defect to describe the importance of the defect i.e. how fast it should be resolved	
	Priority 1>priority 2>priority 3>priority 4	
Product Owner	Refers to the Business User who looks at the business interests and is in contact with business and testing team	
JUNIT	Software used to design code for unit testing.	