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Testers Involved

Tested By	Tested Date	Approved By	Approval Date	Tasks
Bharadwaj	*04-15-2015*	*Arpan*	*04-17-2015*	**Functional Tests**
Bharadwaj	*04-15-2015*	*Arpan*	*04-17-2015*	**IntegrationTests**

1. USE CASE and CLASS DIAGRAMS

1.1. Use Case Diagram
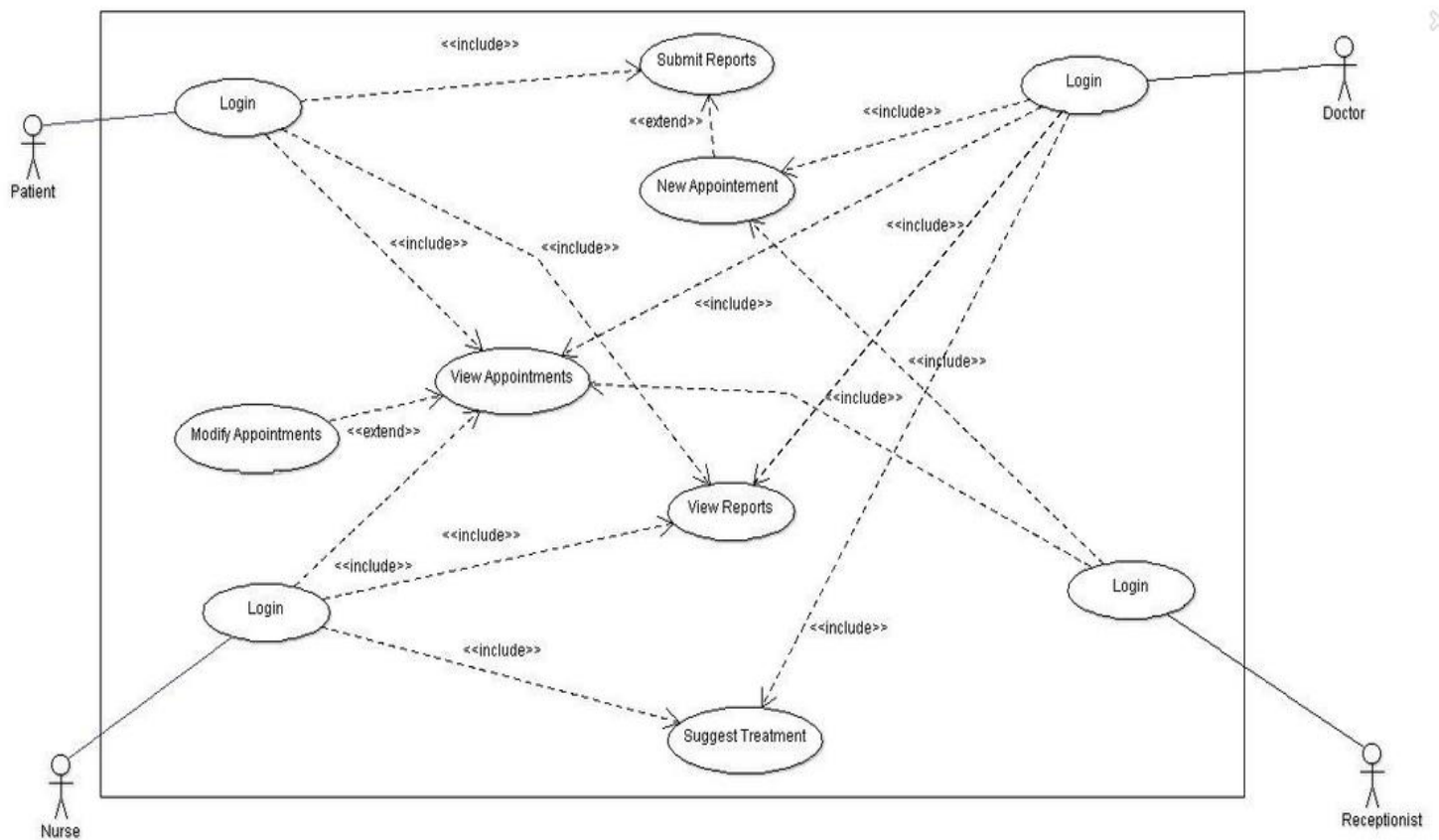
2. <u>Functional and Integration Testing</u>

2.1. <u>Functional Testing:</u>

Functional tests were performed on the UI and through console to verify the functionalities. The Functionalities were verified on java 8.0.

<u>Functional test Cases</u>

Test Scenario	Test case ID	Test Case	Result
Log in the Application	TC_1	Verify that user can Login As Patient	Able to Login as Patient
	TC_2	Verify that user can Login As Doctor	Able to Login as Doctor
	TC_3	Verify that user can Login As Receptionist	Able to Login as Receptionist
	TC_4	Verify that user can Login As Nurse	Able to Login as Nurse
View Appointments	TC_5	Verify Patient can see his Appointments	Able to see appointments in decreasing order
	TC_6	Verify Doctor can see patients Appointments	Able to see appointments in decreasing order
	TC_7	Verify Patient cannot see others Appointments	Unable to see appointments
Make Appointments	TC_8	Verify Patients can make Appointments	Cannot make Appointments
	TC_9	Verify Receptionist can make appointments	Can make appointments
View Reports	TC_10	Verify Doctor can see patients Reports	Able to see patients reports
	TC_11	Verify patients can see only his reports	Able to see doctor reports
Submit Reports	TC_12	Verify only Patient can submit reports	able to submit patients reports
	TC_13	Verify Doctor doesn't have the option of submitting Report	Doctor cannot submit report
Suggest a treatment	TC_15	Verify Doctor can suggest a treatment	Able to suggest a treatment
	TC_16	Verify Receptionist can suggest a treatment	Able to suggest a treatment
	TC_17	Verify Nurse can suggest a treatment	Able to suggest a treatment
Modify Appointment	TC_18	Verify User can Modify the Appointment	Able to modify

| Login	TC_19	User is logged into a single role	Able to Login

Test Risks:

- Enough time was not available for testing.
- Exhaustive Testing is not possible.
- Prioritized Testing has been given More Preference.

Test Results

Defect ID	Defect	Status	Test Case
Def_1	Appointments couldn't be viewed properly by Doctor	Closed	TC_6
Def_2	Patient is prompted to make appointments though fails with error	Closed	TC_8
Def_3[1]	Modify Appointment is not available	Resolved	TC_18

[1] The Functionality has been implemented and combined with View Appointments

Functional Test Case Chart
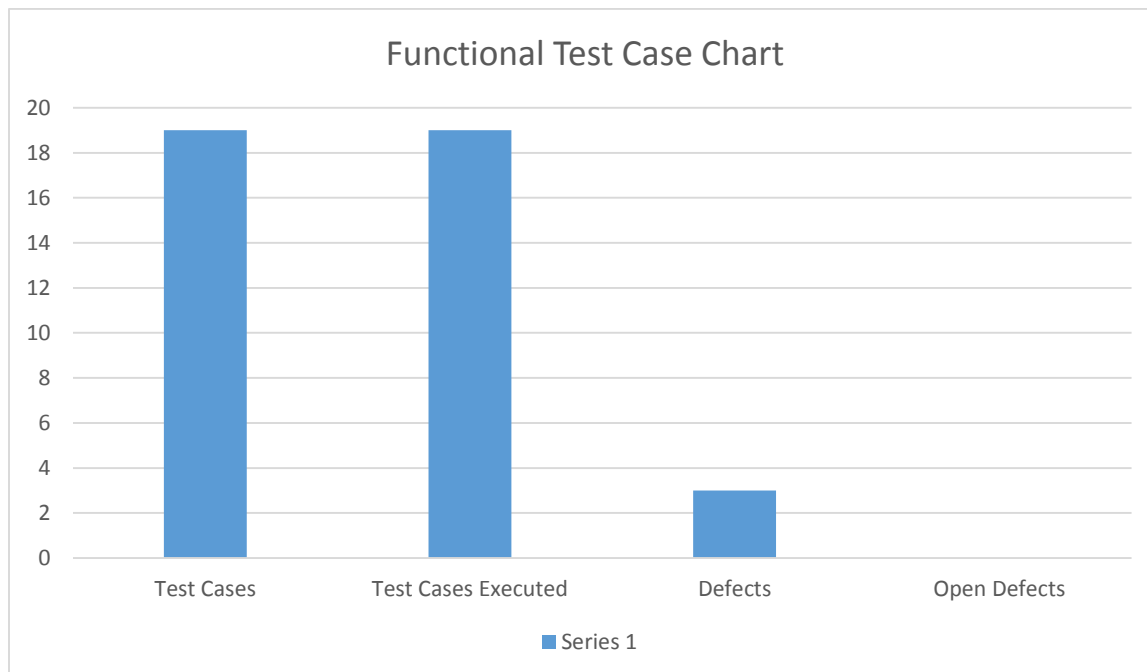
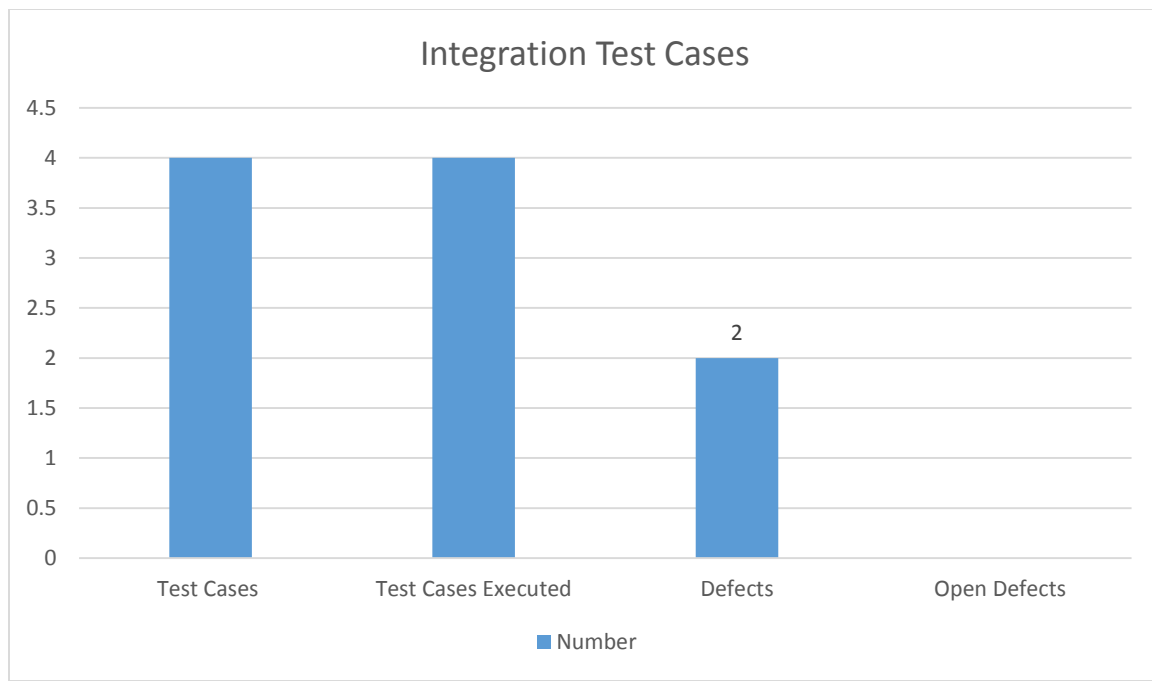III. Functional Testing Metrics

2.2   Integration Testing

Integration Tests were performed on the Application having Java 8.0

Integration Test Cases

Test Case ID	Test Case	Test Steps	Result
	Verify Functionality of receptionist		
		Login as a Receptionist	Pass
TC_1		Create an Appointment for Patient	Pass
	Verify Functionality of patient		
		Login as a Patient	Pass
		View the appointment Created	Pass
		Submit a Report	Pass
TC_2		View the submitted Report	Pass
	Verify Functionality of Doctor		
		Login as Doctor	Pass
		View my Appointments	Pass
		view Reports of patient	Pass
		Make an appointment	Pass
TC_3		Suggest a note	Pass
	Verify Functionality of Nurse		
		Login as Nurse	Pass
		View my Appointments	Pass
		view Reports of patients	Pass
TC_4		Suggest a note	Pass

Test Results

Defect ID	Defect	Status	Test Case
Def_1	Report Created was not visible through view reports	Closed	TC_2
Def_2	Submitted Reports was not Visible for Doctor	Closed	TC_3

Integration Test Cases

III. Integration Testing Metrics

3. <u>Test Cases In Detail</u>

Functionality: Login with correct inputs

Test Case	Inputs			Expected Output
	Role	Username and Password	No. of Attempts	
Verify Can Login with Correct Role	Correct Role	---	----	Enter credentials
		Correct Credentials	----	Logged in Successfully

Functionality: Login with incorrect inputs

Test Case	Inputs		Expected Output
	Username and Password	No. of Attempts	
Login with Improper inputs	----	----	Enter credentials
	Incorrect Credentials	Less than 3	Incorrect credentials Attempt No.
Login with Improper inputs more than 3 times	---	---	Enter credentials
	Incorrect Credentials	More than 3	Sorry you are not allowed more than 3 attempts at a time.

Functionality: View Reports with Appropriate Role

Test Case	Input		Output
	Role	Patient ID	
Patient can view only his reports	Patient	---	All his reports are shown

Doctor can view only his patients reports	Doctor	Correct	See Reports of his patients
Nurse can view all patients reports	Doctor	Correct	See Reports of the all patients
Receptionist can view all patients report	Correct	See Reports of the Patient selected	See Reports of the all patients

Functionality: Submit a Symptom Report

Test Case	Input	Output
	Role	
Patient can submit a report	Patient	Only patient can submit the report
Others cannot submit the report	Doctor, Nurse ,Receptionist	They do not have the option to submit the report

Functionality: View Appointment with Appropriate Role

Test Case	Input	Output
	Role	
View Appointments	Doctor, Nurse, Receptionist	Able to see all appointments on homepage with patient name, date time and description
View Appointments	Patient	Able to see all appointments on homepage with Doctor ,date time and description

Functionality: Create an Appointment

Test Case	Input		Output
	Role	Patient ID	
Make an Appointment	Patient	---	Cannot make appointment.
Make an Appointment	Doctor, Nurse, Receptionist	Select an patient ID	A link is shown in login page for Making Appointment

Functionality: Modify an Appointment

Test Case	Input			Output
	Role	Option	Appointment ID	
14(Path 8)	Patient	Modify	Select an Appointment ID	A link is shown in Home page for Modifying Appointment

15(Path 8)	Employee	Modify	Select an Appointment ID	A link is shown in Home page for Modifying Appointment

Functionality: Suggest a Care

Test Case	Input			Output
	Role	Symptom Report ID	Recommend an Appointment	
Suggest a Treatment	Patient	---	--	The functionality shouldn't be available to patient
Suggest a Treatment for Report	Nurse, Doctor, Receptionist	Click on Suggest a care	--	A Pop Up appears for Suggesting an Appointment.