Defect Reporting and Defect Life Cycle Management – V 3.0
Lab Book

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Document Revision History

Date	Revision No.	Author	Summary of Changes
12/8/09	1	Priya Rane	Revamp
13 /06/11	1.1	Kishori Khadilkar	Revamp
2/6/15	2.0	Alphy Thomson & Shilpa Bhosle	Material Revamp
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Lab 1. Logging defect into Defect Report Template

Goals	• Understand the process of reporting defects. • Learn to report defect free defects.
Time	60 min

1.1 **The testing team has found certain defects during testing the Banking Exam Portal Application. As a one of the team member of the testing team the responsibility has been given to you to log these defects into Defect Report so that the development team can understand the defects well and take necessary measures to eliminate the same from the application. You need to ensure that defects found during test execution are logged with proper care so that the defect removal cycle can be reduced.**

Note – The below mentioned defects are imaginary defects. Make a proper use of the Defect Tracking Sheet to log below given defects.

Home Page:

1. The link "List of exams on the portal" is not able to navigate the user to the web page displaying various exams available on the Banking Exam Portal application.
2. The link "List of exams on the portal" is displayed at the left side of the web page instead of right side.
3. The User Name field is accepting any type of data.
4. The application is not generating an error even if Password filed is left empty while logging to the application
5. The application behaves in a wired manner by disallowing a user to login to the website even if the user has entered the valid credential i.e. valid User Name and Password.
6. After clicking on the Submit button on the home page user gets an error message "Page Cannot Be Displayed".

Lab 2. Logging defect free defect reports

Goals	• Understand the application and report defects in defect report
Time	60 min

2.1 Defect Report for Bank Exam Portal Application

Make Defect Entry for the Following Defects in the Defect Entry Report:

Registration:

1. The Spelling of "Personal Information" is wrong. The web page displays it as "Persnal Information".
2. Mobile number field is accepting alphabets and special characters also.
3. The insert Photo field is accepting a photo of size more than 150 kb.
4. In marital status only 2 options i.e. Married & Unmarried should be shown on the web page, however the web page is displaying three options to the user i.e. Married, Unmarried & Divorcee.
5. After clicking on the "Save & Submit" button, Registration Id should get auto-generated and displayed on the screen; however the application is not able generate and display the Registration ID upon successful registration process.

2.2 Defect Report for Bank Exam Portal Application – "Add Exam Details"

You have designed test cases for testing the various functionalities of **"Add Exam Details"** page. Assume that your test cases have failed. Prepare the defect report for all failed test cases.

Note: Every participant may have different test cases. Use the test cases that you have written for logging the defect in the defect report. Do not restrict the scenarios to a single page or field; rather focus on the flow of the application as an end user or applicant.

Lab 3. Execute test cases & log defect free defects

Goals	• Understand the application and report defects in defect report
Time	180 min

3.1 Defect Report for CyberShopee System Application.

You have designed test cases for testing the various functionalities of "CyberShopee System" as a part of the Testing Concepts lab assignment. You need to execute these test cases by running the application. Based on the execution result, you need to log all the defects that you found during the test execution in the Defect Report Template according to the guidelines discussed in the class. You need to ensure that you log defect free defects in the defect log which can help development team to reproduce & eliminate the defects.

Note: Every participant may have different test cases. Use the test cases that you have written for logging the defect in the defect report. Do not restrict the scenarios to a single page or field; rather focus on the flow of the application as an end user or applicant. You can also perform an exploratory testing/random testing.

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Lab 4.Create your own Site & a Project in JIRA

Goals	• To create a site and project in JIRA.
Time	10 minutes

Problem Statement:
1. Create a Site named 'jiraLabSite'
2. Create a Project named 'ProductOrderSystem'

Lab 5. Creating Issues in JIRA

Goals	- To write an Epic - To write a User Story - To write tasks - To write sub tasks
Time	90 minutes

Problem Statement:
      a. Create the following listed Epics, Stories, Tasks & Sub-tasks under the project 'ProductOrderSystem'.
      b. Also give other details for each of these issues such as – priority, link, assignee, description, etc.

Issue Type	Summary
Epic 1	As a user, I should be able to back up my entire hard drive.
Story 1	As a power user, I can specify files or folders to backup based on file size, date created and date modified.
Story 2	As a power user, I can indicate folders not to backup so that my backup drive isn't filled up with things I don't need saved.
Epic 2	Develop this software any way you'd like as long as you achieve 100,000 concurrent users.
Story 1	As a customer, I want to access your application on all versions of Windows from Windows 95 on.
Story 2	As the CTO, I want the system to use our existing orders database rather than create a new one, so that we don't have one more database to maintain.
Story 3	As the Customer, I want the site to be available 99.999 percent of the time I try to access it, so that I don't get frustrated and find another site to use.
Epic 3	Browse Product Catalog
Story 1	As a customer, I want to navigate the category hierarchy, so that I can browse products and drill down to the product most suitable for my needs.
Story 2	As a customer, I want to browse the product catalog, so that I can make an informed purchase decision
Story 3	As a customer, I want to search for a product using the keyboard by typing the first alphabet of the product name or the complete product name that I don't have to waste time in scrolling through so many products
Sub-task 1	design a 'datalist'
Sub-task 2	create a test data
Sub-task 3	Execute and test it
Story 4	As a customer, I want to filter the product catalog by product attributes such as price, range, brand, colour, size etc. so that I can make a correct purchase decision.
Task 1	Evaluate 3rd party library XXX
Task 2	Develop high level Interaction for browsing product catalog
Epic 4	As a customer, I should be able to maintain wishlist
Task 1	As a customer, I want to save a product in my wishlist so that I can view it again later
Sub-task 1	Put 'Add to wishlist' button on each product page.
Sub-task 2	create a new db to store wishlist items.
Story 1	As a customer, I want to view my wishlist so that I can buy items from it.
Sub-task 1	Create a page to display user's wishlist
Sub-task 2	Add 'view wishlist' link to home page

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Lab 6.Creating & Managing bugs in JIRA

Goals	• To write a bug • To edit a bug • To delete a bug
Time	30 minutes

Problem Statement:
a. Write the following bugs under the project 'ProductOrderSystem'.
b. Also give other details for each of these bugs such as – priority,
   link, assignee, description, etc.

Issue Type	Summary
Bug 1	It is found that the application is not accessible on firefox browser i.e. below version 40.
Bug 2	It is found that the product cannot be searched using the keyboard.
Bug 3	It is found that there is no 'view wishlist' link on the homepage of the application
Bug 4	It is found that very often the performance of the application slows down between 10 pm to 2 am
Bug 5	It is found that the button 'Add to wishlist' is mistyped as 'create wishlist'

c. Try editing the fields of any one of the Bugs
d. Try deleting one of the bugs

Lab 7.Managing sprints & generating reports in JIRA

Goals	• To create sprints • To start sprints • To view the workflow • To generate reports
Time	30 minutes

Problem Statement:
a. Create 2 – 3 sprints for resolving the above issues
b. Start the sprints
c. Adjust (Drag drop) the issues into different workflows (to do, in progress, done) of each sprint.
d. Generate sprint report for your project