

Project Explanation in Interview

Project Name: E-Banking

Overview: The goal of the project was to develop a secure online banking platform for a regional bank that allows customers to easily manage their finances, including checking balances, transferring funds, and paying bills, all while ensuring the highest level of security and regulatory compliance.

Modules in the Project:

The Modules involved are

1. Bank Administrator
2. Bank Employee
3. Customers
4. Search
5. Reports
6. Authentication

Bank Administrator

Administrator is a super user treated as owner of this site. He can have all the privileges. The admin services are some reusable components for the MAS and common services like user authentication, user service role mapping and user management.

Administration can keep track the following tasks:

- **Add Managers**
Admin can Add new Managers to the branch and he can edit the Managers.
- **Add Branches**
Administrator adds new branches to the bank and admin can change and update the branch details which are already exist.
- **Add New Loans**
Administrator can add new types of loans which are required for the situation and he can fix the maximum amount for that particular loan type.
- **Add Areas**
Administrator adds new areas. The bank supposed to start a new branch in other country or in the same country he can add country and location where he wants to start a branch.

Bank Employee

The working employee on a Bank with some special powers is called Bank Manager. They can perform different functionality on the particular bank branch.

- Manager can receive the new account request and he can view the old accounts under his bank branch.
- Manager can manage the bank users request for new loans, request for new card(Credit/Debit) and requests for new check books.
- Manager can view the transaction details like username, transaction date and amount Deposited etc..

Customers

- User can change his personal information and he can change the nominee details of his account
- User can send request for new loans, new cards like credit and debit cards, new check book and he can request for reactivation of his account.
- User can transfer the amount to another account.

Search

- Various types of search like Account details, Transaction details, card details and loan details and these search is maintained by the user.

Reports

Different kind of reports is generated by the system.

- Different types of reports on Managers, Branches these reports maintained by the administrator.
- Different types of reports on Requests, Payments, Customers, Nominee details these reports maintained by the Bank Branch Manager.

Authentication

- The process of identifying an individual usually based on a username and password.
- In security systems, authentication is distinct from authorization, which the process of giving individuals access to system object based on their identity.
- Authentication merely ensures that the individual is who he or she claims to be, but says nothing about the access rights of the individual.

My Role in the Project : Software Tester

Responsibilities:

- Understanding all the project requirements in continued with Testing
- Developed and executed comprehensive test scenarios and test cases based on functional specifications.
- Conducted thorough reviews of requirements documents to ensure all scenarios were covered.
- Performing Test Case Execution based on releasing of the builds from development team
- Finding the proper bugs to ensure the quality of the application
- Performing bug reporting , bug tracking and re-testing of the bugs
- Involved in doing different types of testing based on project needs
- Participated in daily stand-ups and status meetings, contributing to discussions about testing strategies and priorities.

Tools Used:

- **JIRA:** For tracking bugs and managing test cases.
- **Selenium:** For automating functional testing.

Types of Testing involved in project

1. Smoke Testing

Executed High Level Testcases to ensure build acceptance provided by the development team to continue the further testing.

2. Functional Testing:

- Verified functionalities like user registration, secure login, account management, fund transfers, and bill payments.
- Developed test cases covering both positive and negative test cases to ensure all the functionality are working correctly.

3. Re-Testing:

Performed re-testing after every bug fix to ensure bug has been fixed correctly are not and involved in closing the bugs which has been working as expected

4. Regression Testing:

- Established a suite of automated regression tests to ensure that new features did not adversely impact existing functionalities.
- Regularly executed regression tests after each build released to maintain application integrity.

Team Communications:

- Worked closely with developers, business analysts, and product managers throughout the project lifecycle.
- Actively participated in sprint retrospectives to discuss testing outcomes and identify areas for improvement.
- Fostered open communication through regular meetings and progress updates, ensuring all team members were aligned on project goals.