# Capstone Project Requirements





Infosys
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This course helps to build an automation framework for functional testing.

## 1.1 Background

A Software Development engineer in Test is the one who is enabled to develop as well as perform end to end testing.

The functional requirements for testing the application are given in the upcoming pages. The participants should go through the requirements, understand them and test the application.

## 1. FUNCTIONAL TESTING

Below provided is the detailed explanation for the functional requirements of In essence Bank of Infosys.
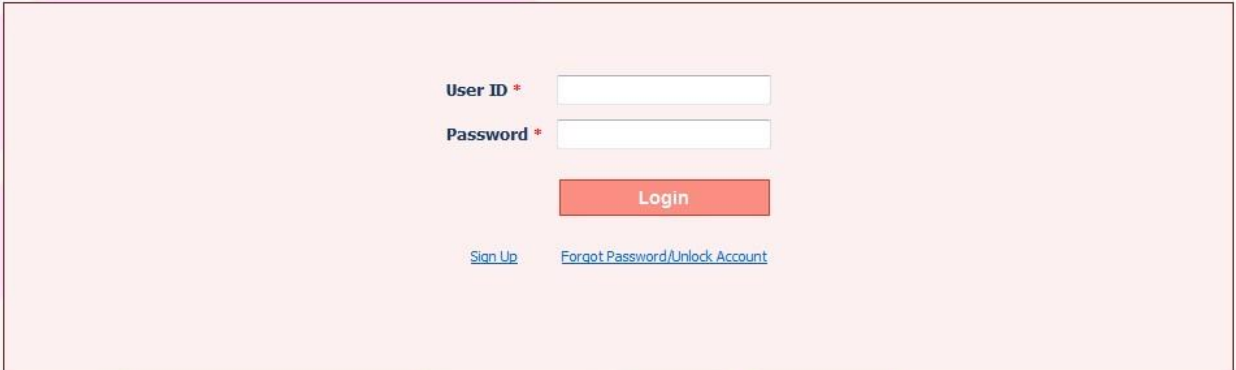
1. Application can be accessed using the below url:
   http://10.82.180.36/Common/Login.aspx
2. Refer the functional requirements of the given modules of the application which has been explained below in detail with the help of screenshots.
3. The participants should go through the below requirements.
4. Create manual test cases for the given modules and then to convert those test cases into automation test scripts using functional testing tool.

IEBI is a banking application which has services related accounts, Loans, Cards, Deposits and Services.

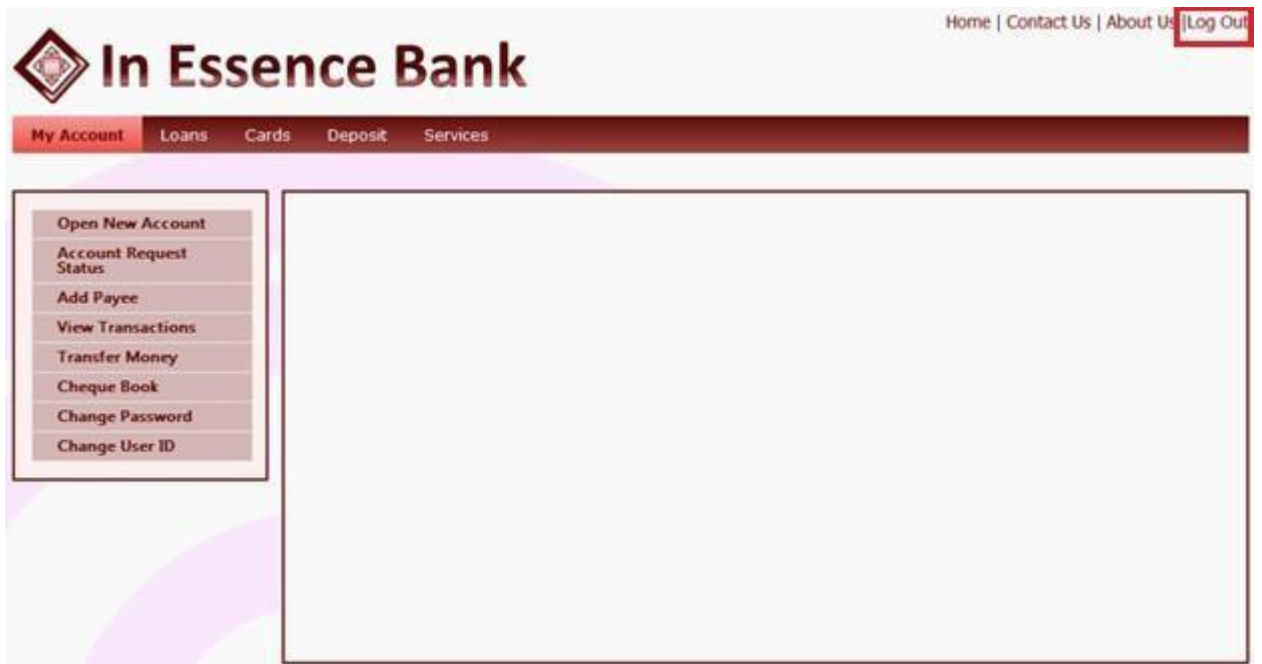## 1.1 Login and Log Out

### 1.1.1 Login

1. Accessible to: Visitor
2. For security reasons, each user must first login and only then access the web site. Direct access to any of the pages should be avoided
3. The page would look like as shown below-

4. The user should enter the User Id and Password
5. On clicks of "Sign Up" link,
   - ➢ Visitor should be redirected to "Register" page
6. On click of "Forgot Password/Unlock Account" link,
   - ➢ Visitor should be redirected to "Unlock Account/Forgot Password" page
7. On click of "Login" button,
   - ➢ The login credentials are validated and checked with database for authentication
   - ➢ If the entered credentials are valid, the users will be navigated to their corresponding home page according to their role
     - If the user is a "Customer" then redirect to "Account Home" page
   - ➢ If the entered credentials are invalid or the user account is blocked or locked or user is inactive,
     - Display appropriate message to the visitor
8. **Validations:**
   - ➢ All the fields are mandatory
   - ➢ Password field should be masked

## 1.1.2 Log Out

- o Accessible to: All logged in user
- o Every user has to logout from the website using the "Log Out" option present on every page
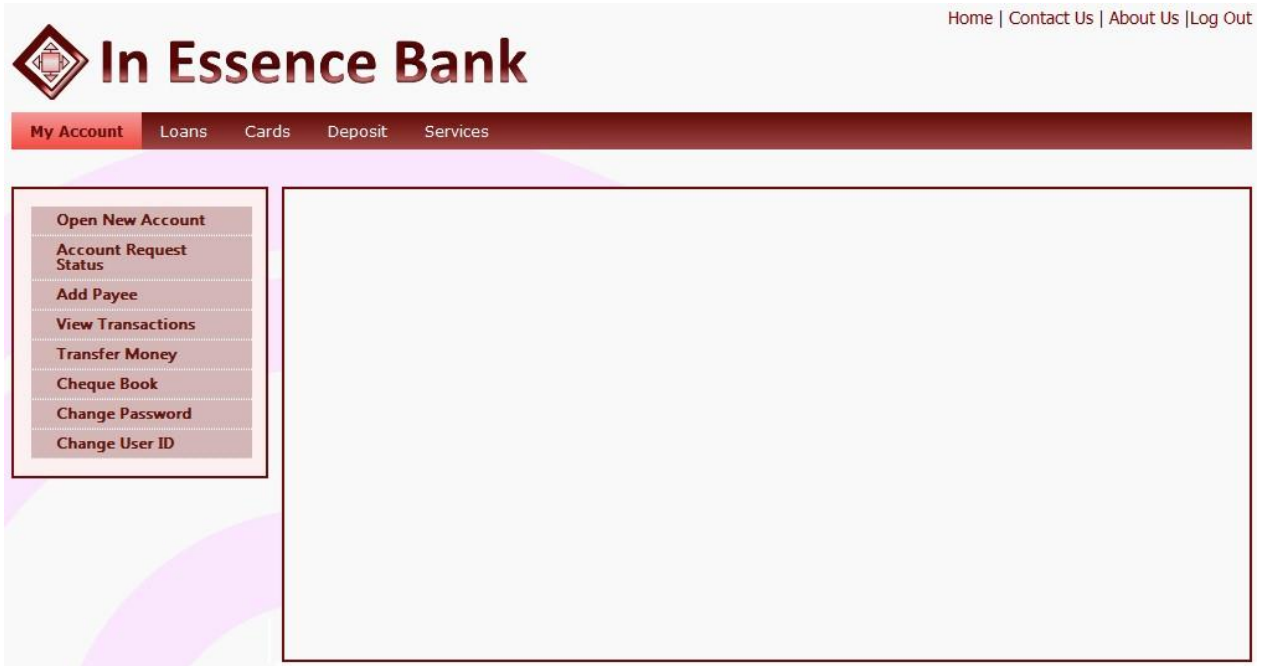
- o When the link is clicked,
  - all the values stored in session should be cleared and user should be redirected to the "Login" page
- o After the user logs out,
  - clicking on Back button of the browser should not allow the user to access the pages from the history. The user must login again to the website to access any of the pages

## 1.2 Accounts

The bank customers require a lot of facilities online such as transfer money, open a new account and various others. IEBI has considered this request and allows customers to pursue a lot of tasks online. Accounts module deals in all such tasks.

The master page for "customer" looks like as shown below-

## 1.2.1 View Transactions

- o   Accessible to: Customer
- o   This page is to be displayed when the "View Transactions" menu item under "My Account" tab is clicked
- o   On page load,
    - ▪  The "Account No" drop down list, "Statement Type" radio button list and the buttons are visible to the user
    - ▪  "Account No" drop down list is populated with all the active accounts of the logged-in user. The page would look like as shown below-

o On selection of statement type from "Statement Type" radio button list,

&#9678; If the statement type is "Mini"
- No changes on the page is done

&#9678; If the statement type is "Detailed",
- "From Date" and "To Date" get visible to the user. The transaction type drops down list should be populated with all the available transaction types with "--All--"as the first item. The page would look like as shown below-



o On click of "View Transaction" button,
&#9678; If the statement type is "Mini",

- Last 10 transactions of the customer will be displayed in a grid view for the selected account. The page would look like as shown below-

**VIEW TRANSACTIONS**

Account No *  100000000000  ▾

Statement Type *  ◉ Mini  ○ Detailed

[ View Transactions ]    [ Reset ]

| Transaction Date And Time | Transaction Remarks | Type Description | Amount (₹) | Transaction Types |
|---|---|---|---|---|
| 28/03/2013 | Forth Transaction | FundTransfer | 5000.00 | Credit |
| 28/03/2013 | Third Transaction | FundTransfer | 5000.00 | Credit |
| 28/03/2013 | Second transaction | FundTransfer | 5000.00 | Credit |
| 28/03/2013 | First Transaction | FundTransfer | 5000.00 | Credit |
| 01/03/2013 | gggg | BillPay | 231.00 | Debit |
| 26/02/2013 | Service Charge for Feb-2013 | LockerService | 100.00 | Debit |
| 26/02/2013 | Penalty for Feb-2013 | LockerService | 5.00 | Debit |
| 26/02/2013 | Service Charge for Jan-2013 | LockerService | 100.00 | Debit |
| 26/02/2013 | Penalty for Jan-2013 | LockerService | 5.00 | Debit |
| 26/02/2013 | Service Charge for Jan-2013 | LockerService | 50.00 | Debit |

## 1.3  Services

IEBI provides a vast range of services to its customers which makes the customer's life easier and lets them do their tasks at fingertips. These services include availing lockers online, payments of bills and recharging mobiles.

The master page for customer looks like as shown below-

## 1.3.1 Service Home Page

- o Accessible to: Customer
- o This page is to be displayed when the "Services" tab is clicked
- o It's a static page and displays various information about services provided by IEBI the 'Service Home' screen would look like as shown below-



**ENJOY OUR SERVICES**

In Essence bank brings to you a wide range of services. You can pay your post-paid mobile , DTH and broad band bills, get a new locker, recharge your mobile, all at one point.

We try to make life easier for you...