

# ASSIGNMENT – 1

## Guidelines

Read the complete set of problem statement and implement the below mentioned methods

ABCBank is one of the leading Bank service in India. It provides service to many customer across the country. Currently they need to develop an online web application for managing their loan activities, the following methods to be developed as part of their first phase of implementation.

### 1. View Loan Based on Loan Id & Customer Id

Table structure and data for the above functional requirements given below

#### *Loan\_Table\_Name*

| Loan_Id                                      | Customer_Id    | Loan_Type    | Loan_Amount  | EMI       | Tenure    | Opening_Date                  | Status           |
|--|----------------|--------------|--------------|-----------|-----------|-------------------------------|------------------|
| (Varchar2(50))<br>Constraint:<br>Primary Key | (Varchar2(50)) | Varchar2(50) | Number(12,2) | Number(5) | Number(2) | Date(advisable) or<br>Varchar | Varchar2<br>(50) |
| L1112  | CUST112        | Home         | 1000000      | 10000     | 120       | 12-10-2016                    | Completed        |
| L1133  | CUST114        | Personal     | 40000        | 2000      | 22        | 13-10-2016                    | New              |

#### Note:

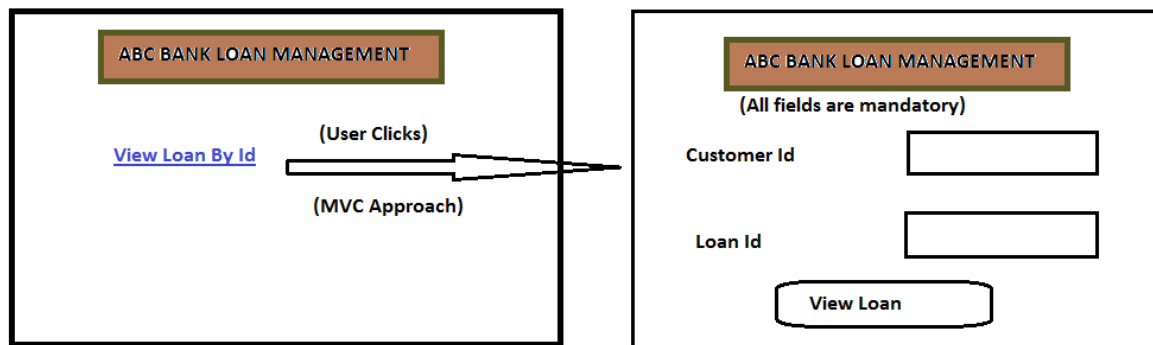
1. Use the sample values mentioned in the above. i.e. row having Loan\_id as “L1112” & “L1133”.

### 1. Create a Home page with the following links

The page should contain a header “ABC Bank Loan Management”, styled with background and font color (any professional color) . Also the below link.

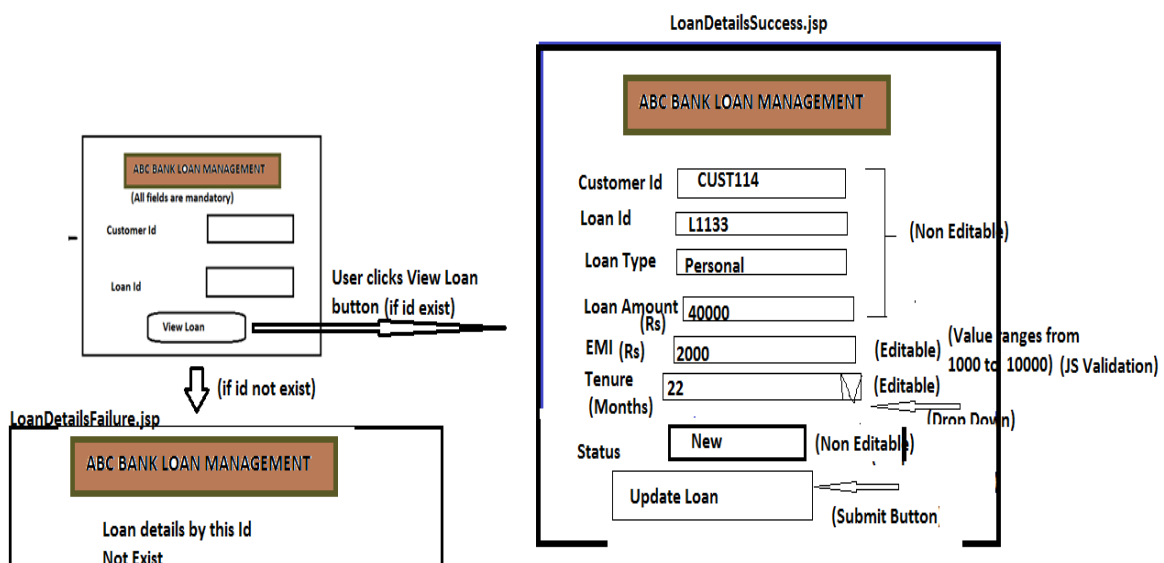
1. View Loan By Id
2. View Loan

When user clicks the **View Loan By Id** link, it Should be redirected to **viewloanbyid**, this page contains the following html controls to accept the Customer Id and Loan Id. This two fields are mandatory, the mandatory field validation should be done through java script.



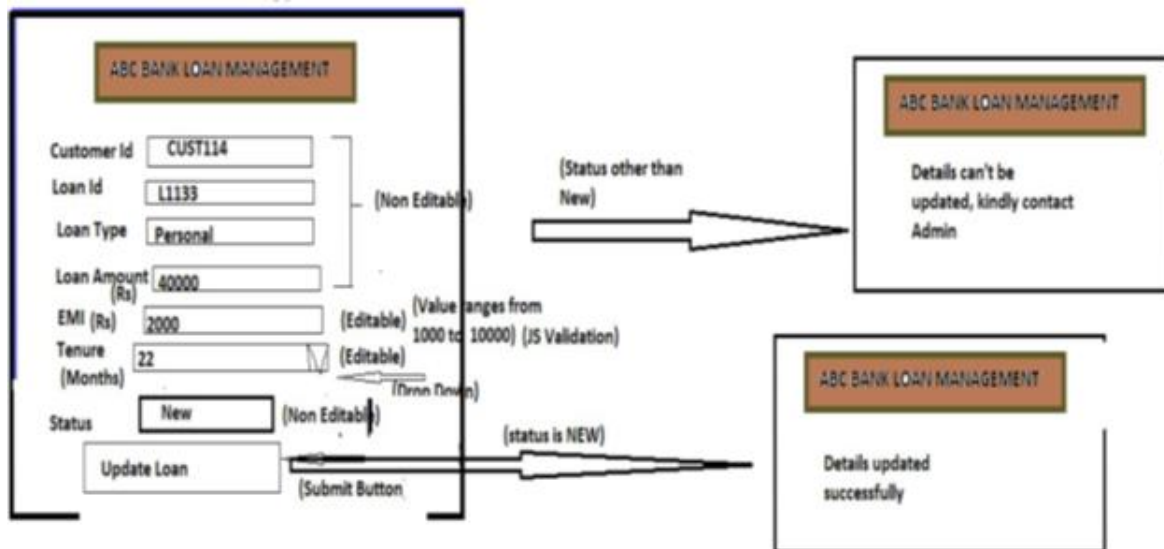
When user enters the “**Customer Id**” & “**User Id**” and submit the View Loan button present in the **viewloanbyid**, it should be navigated and displayed the Loan details in another page based on the diagram and business logic given below.

*Note: Only if the entered “**Customer Id**” & “**User Id**” is present in the db table, then the details should be displayed, otherwise it should be redirected to the failure page*



### 3. Update the Loan details

When user clicks the “**UpdateLoan**” button of **LoanDetailsSuccess**, details should be updated based on the diagram and business rules given below. Only EMI and Tenure are editable and data validation for EMI should be done based on the business rule given below using Java script. Tenure should be populated in drop down and hard coded values can be given as (3,6,9,12,22,24).



**Note:** Only if the status is “**New**” it should be updated in db table, otherwise it should not update and it should display the failure message as mentioned in the above diagram.

**Note :** All server side validation mentioned below should be done in Service class and handled it through exception handling.

1. Status “New” or Not
2. UserId exist or Not

**All Data Validation should be done through AJAX**

1. Mandatory field validation (Customer Id & Loan Id)
2. EMI Validation for value ranges from 1000 to 10000