

# **PECUNIA FINANCE**

## **Prepared For :**

Bootcamp Program at Capgemini Technology Services India Ltd.,

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## **PROBLEM STATEMENT :**

To create a Finance System Web Application which makes online banking easier by providing facilities like credit, debit, apply for loan, etc.

## **DESCRIPTION :**

This finance system is a java-based system which would help a customer to open a bank account and perform various functions across the country digitally. The customer can deposit or withdraw money from his virtual bank account. They can also apply for a loan by following a few steps. The customer can view the transaction history and applied loan history

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## **FUNCTIONAL REQUIREMENTS :**

### **LOGIN AUTHENTICATION :**

This module is designed for the employee to log-in.

The form requires login credentials as customer ID and password.

If the entered credentials match with the one saved in the database, the customer is allowed to log in successfully and perform different operations.

To validate, all the fields are necessary to be filled.

## **CREATE ACCOUNT :**

A signup page is needed for creating a new user bank account using which he can login into the system and perform desired operations.

The page will need few customer details like name, gender, date of birth, contact number, aadhar number, PAN card number, password, etc.

After proper validation and authentication, the account number will be generated and displayed to the user.

## **VIEW ACCOUNT DETAILS :**

The User can view his account details on this page after logging in with his account number and password.

## **UPDATE/DELETE ACCOUNT DETAILS :**

The User can change his account details on this page after logging in with his account number and password.

He can update the already existing details or he can choose to delete his bank account permanently.

## **TRANSACTIONS :**

- **DEPOSIT MONEY VIA SLIP OR CHEQUE**

The customer can deposit money via slip or cheque. Transaction using cheque requires valid Cheque no. and IFSC code.

Credit is done from the bank account into the database.

- **WITHDRAW MONEY VIA SLIP OR CHEQUE**

The customer can withdraw money via slip or cheque. Transaction using cheque requires valid Cheque no. and IFSC code.

Debit is done from the bank account into the database.

All the transactions will be shown in the passbook upon update.

### **APPLY FOR LOAN :**

The User can fill an application form to request for a loan and submit it. The entry for loan request will contain details like Loan Amount, Tenure, Rate of Interest, Credit Score etc. with proper validation.

### **LOAN DISBURSAL :**

The loan request submitted by the user will be processed with respect to certain criterias to determine whether the loan will be approved and disbursed or not. If the loan is approved, the amount will be added to the user account.

## **PRINT TRANSACTION DETAILS :**

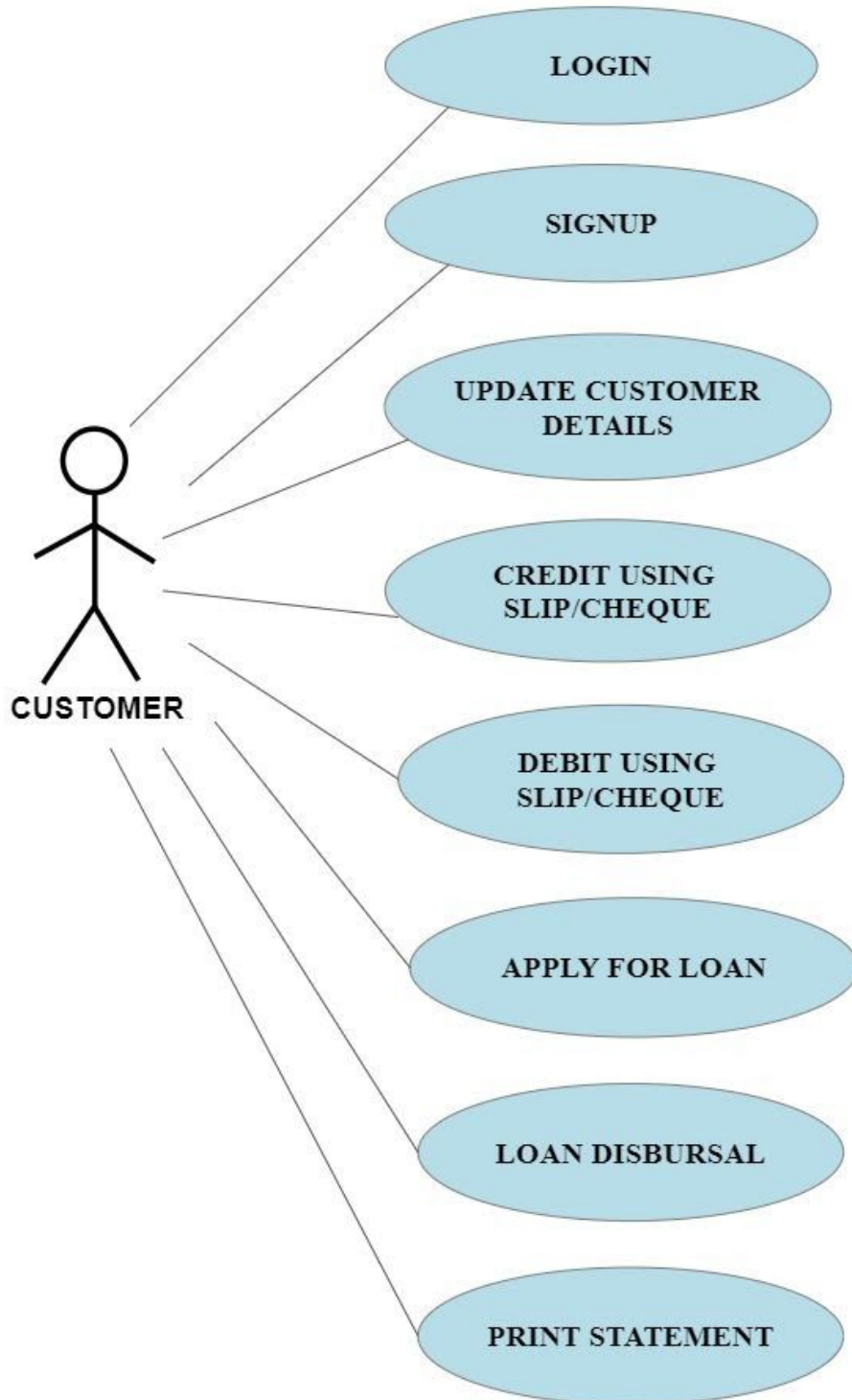
- **Passbook Update :**

It will show the current balance. By entering account no we can fetch this. While entering the account no the form follows proper validations.

- **Account Summary :**

This module is designed to display the list of transactions made between two given dates. It accepts account Id, start date and end date for the range of dates one would like to see the transaction list. The form has proper validation.

## USE CASES DIAGRAM:



## CLASS DIAGRAM:

