

Technical Design Document

Project Name: Loan Application

Project by:

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Introduction

Loan Application is created to allow the user to do the bank related functions in a span of few minutes such as check balance, apply for the loan, pay the EMI, calculate EMI for some loan amount and also print the transactions.

Functional Requirements:

The functional requirements of the project are:

- Login
- Sign Up
- Check Balance
- Add Balance
- Payment
- Calculate EMI
- Apply Loan
- Pay EMI
- Fore Close Account
- Transactions

Functions:

The different functions in which this project is divided into are:

Check Balance: Check user balance and also add more money to the existing account

Calculate EMI: Calculate the monthly for different loan amount and duration

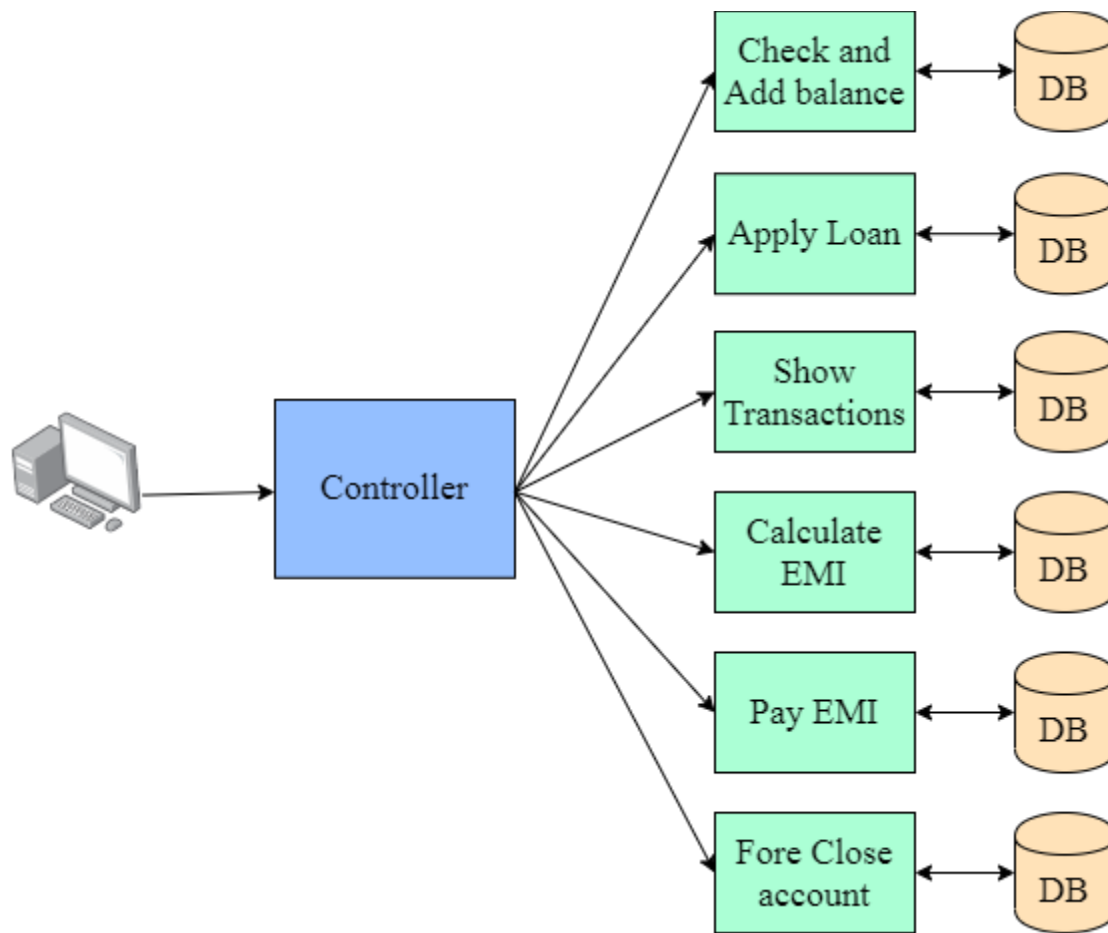
Apply Loan: Apply for the loan and also calculate respective monthly EMI

Pay EMI: Pay the monthly EMI for the loan.

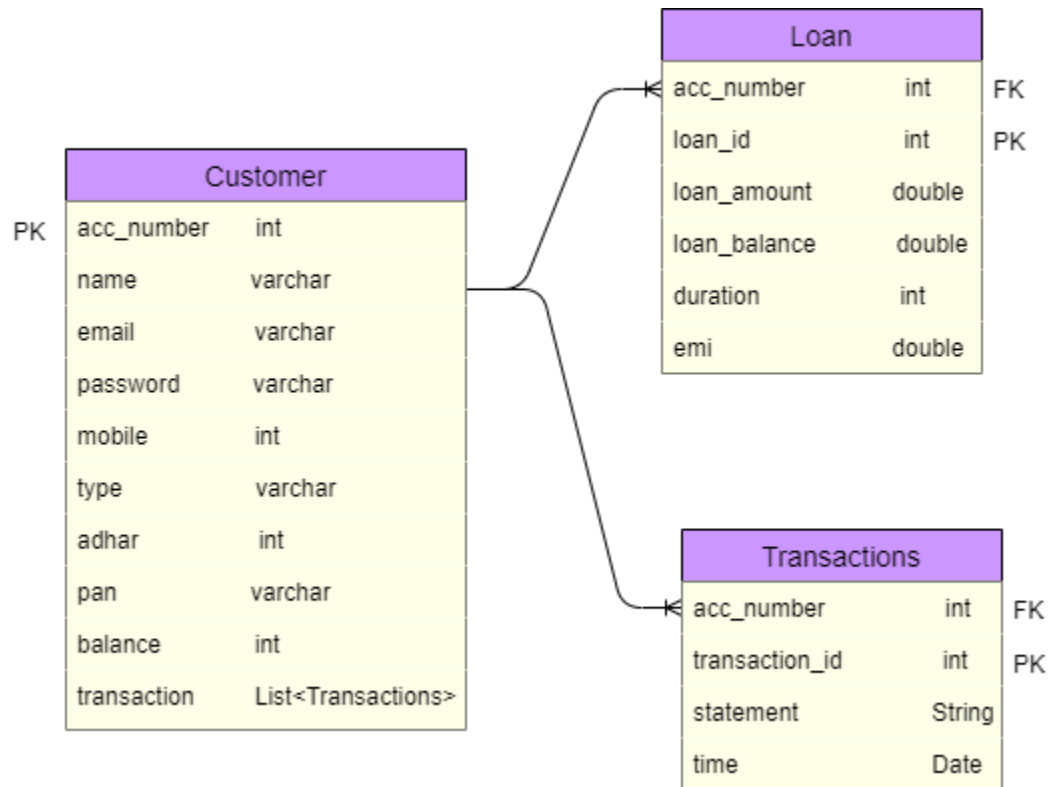
Fore Close Account: Fore close the account the paying the required loan amount.

Transactions: Print the transactions which will generate in time of pay EMI and adding balance.

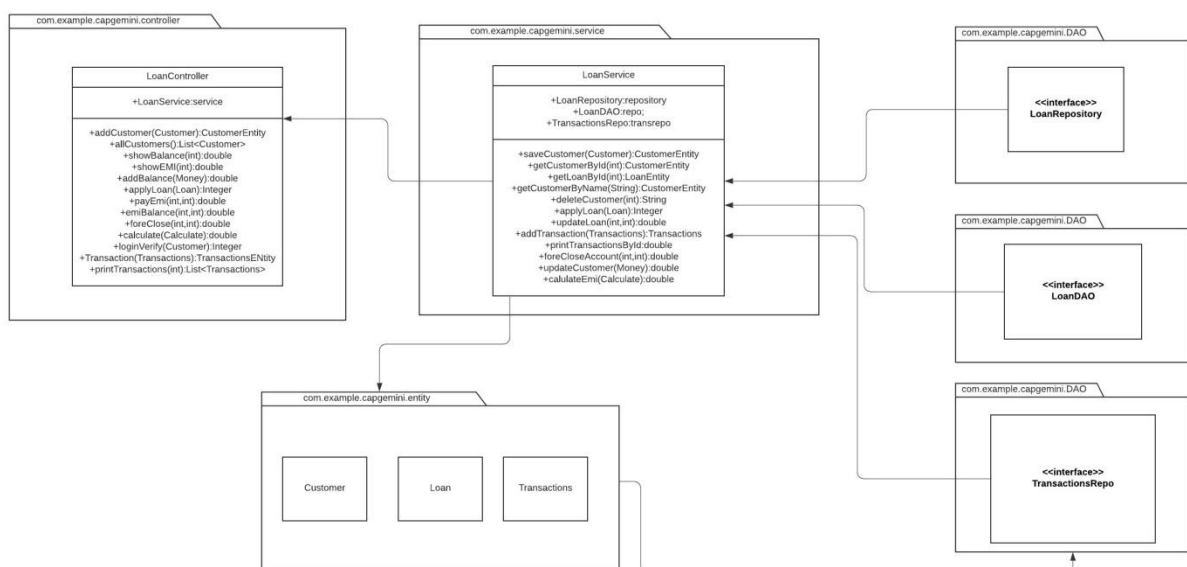
Overall Architecture Diagram:



Overall Entity Relationship Diagram:

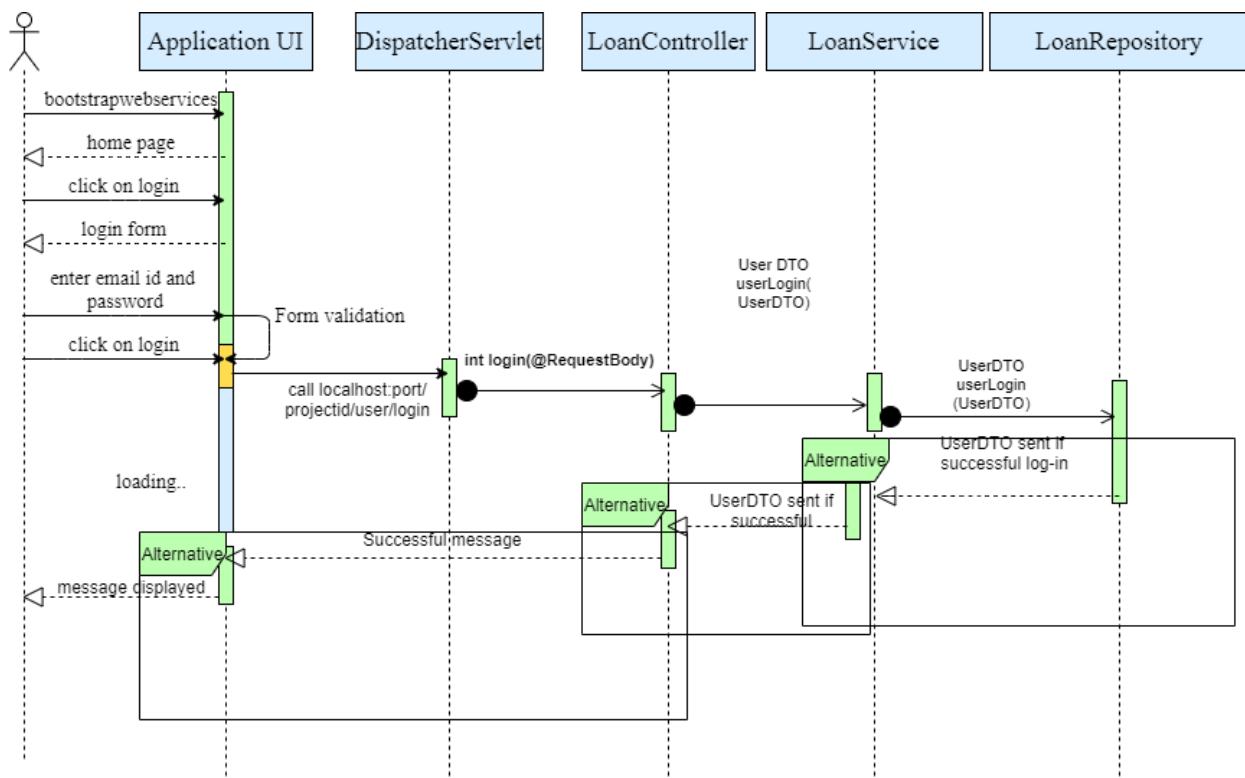


Class Diagram:

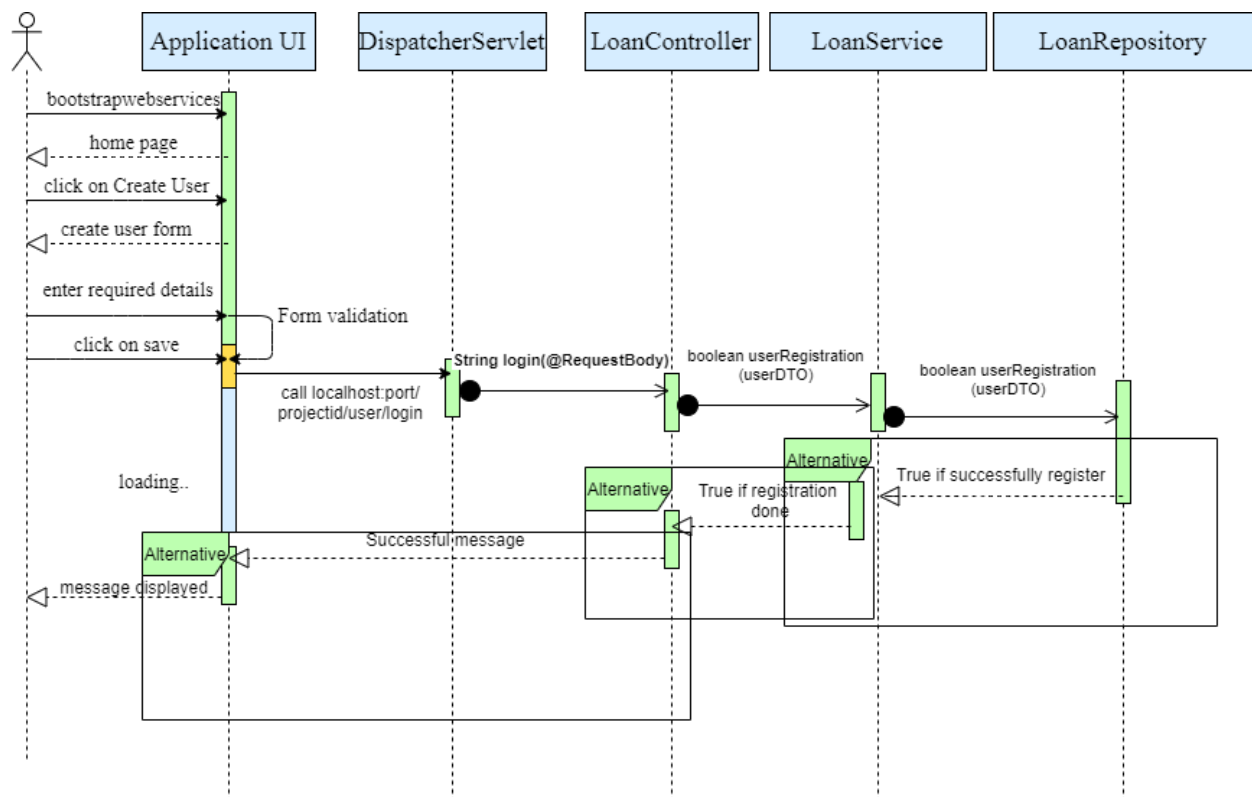


Sequence Diagrams:

Login-

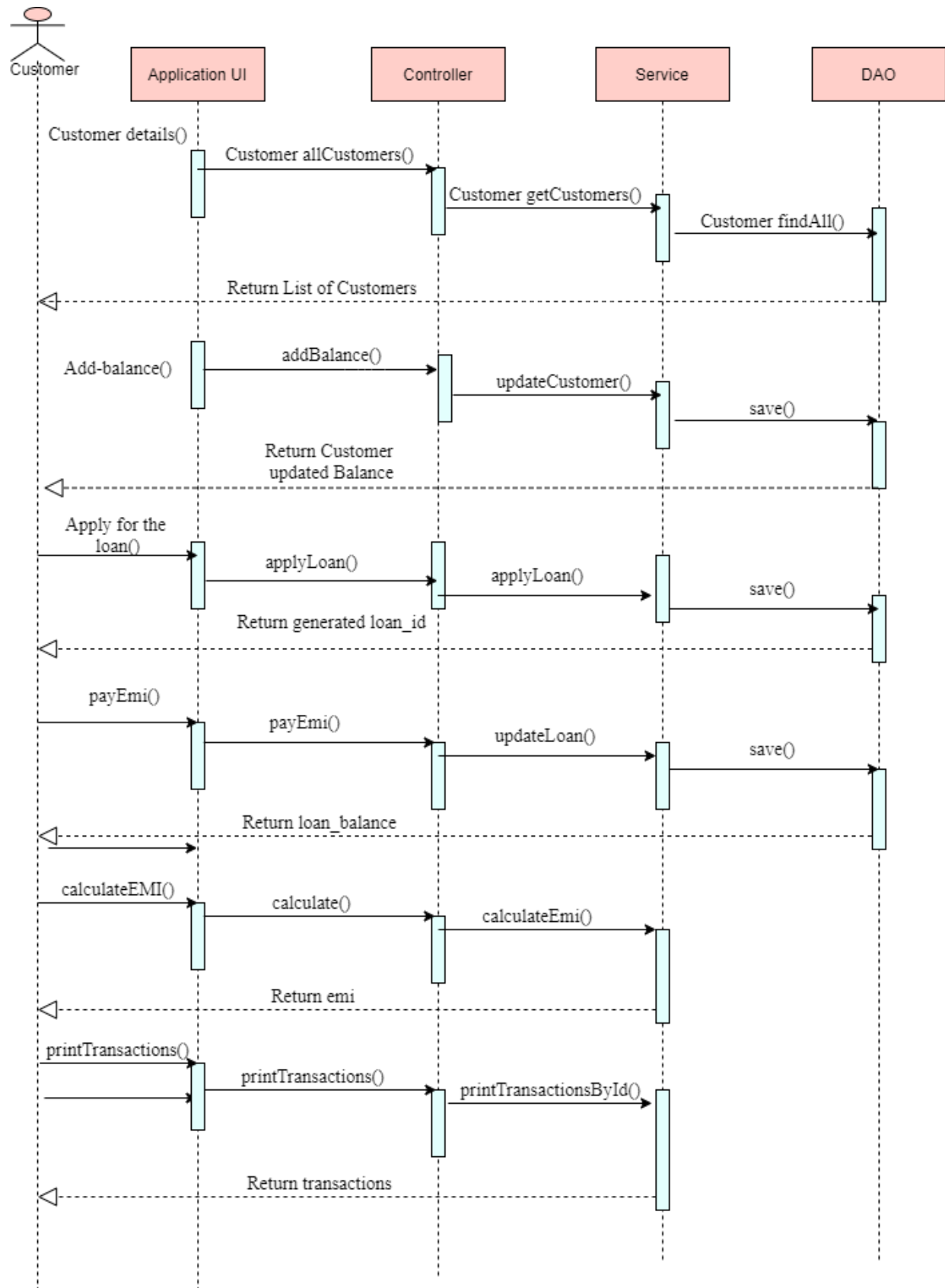


Registration of new customer-

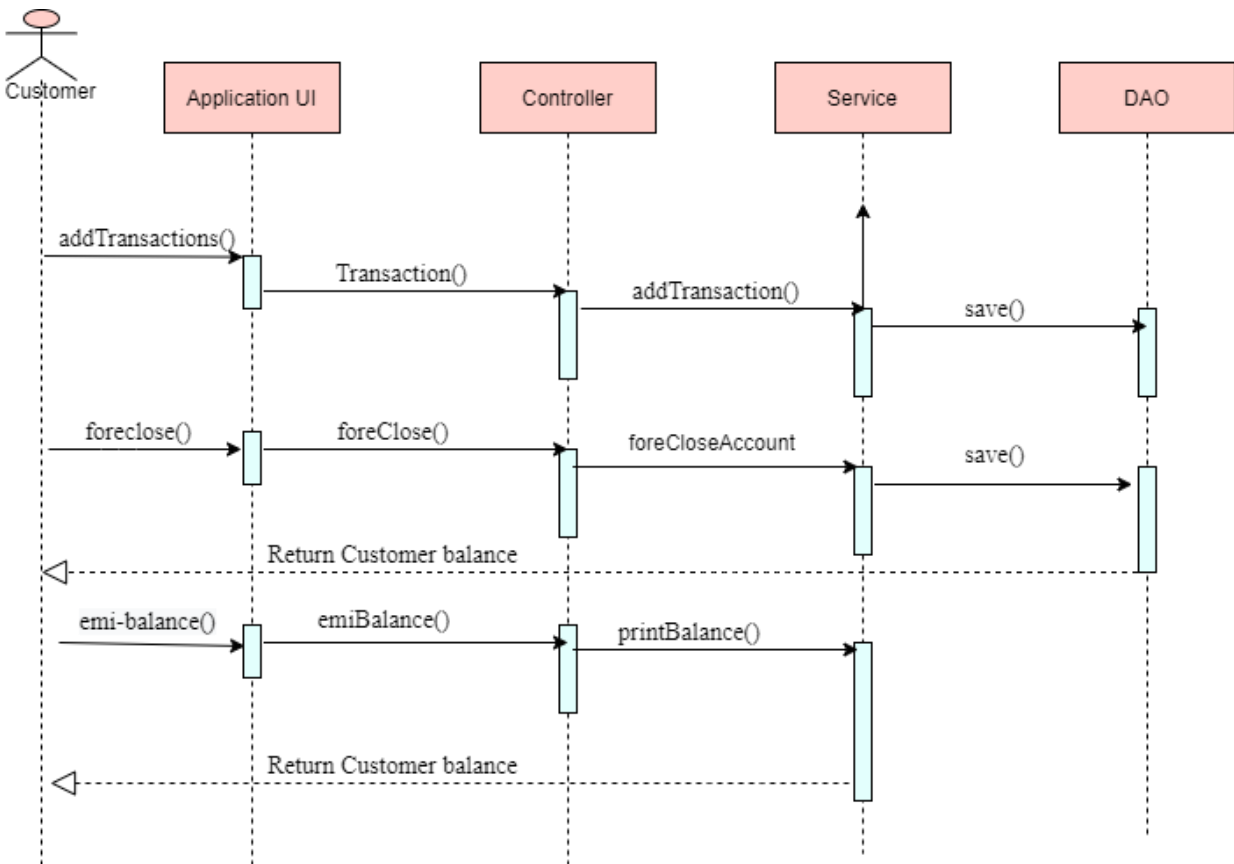


Functions-

- 1) Customer details
- 2) Add balance
- 3) Apply for the loan
- 4) Pay EMI
- 5) Calculate EMI
- 6) Print transaction

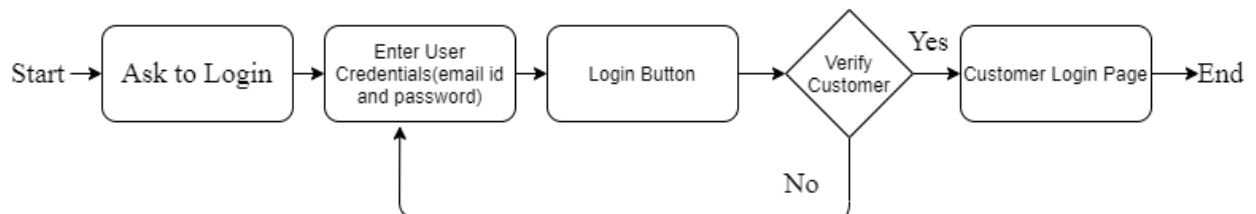


- 7) Add Transaction
- 8)Fore Close account
- 9) EMI balance

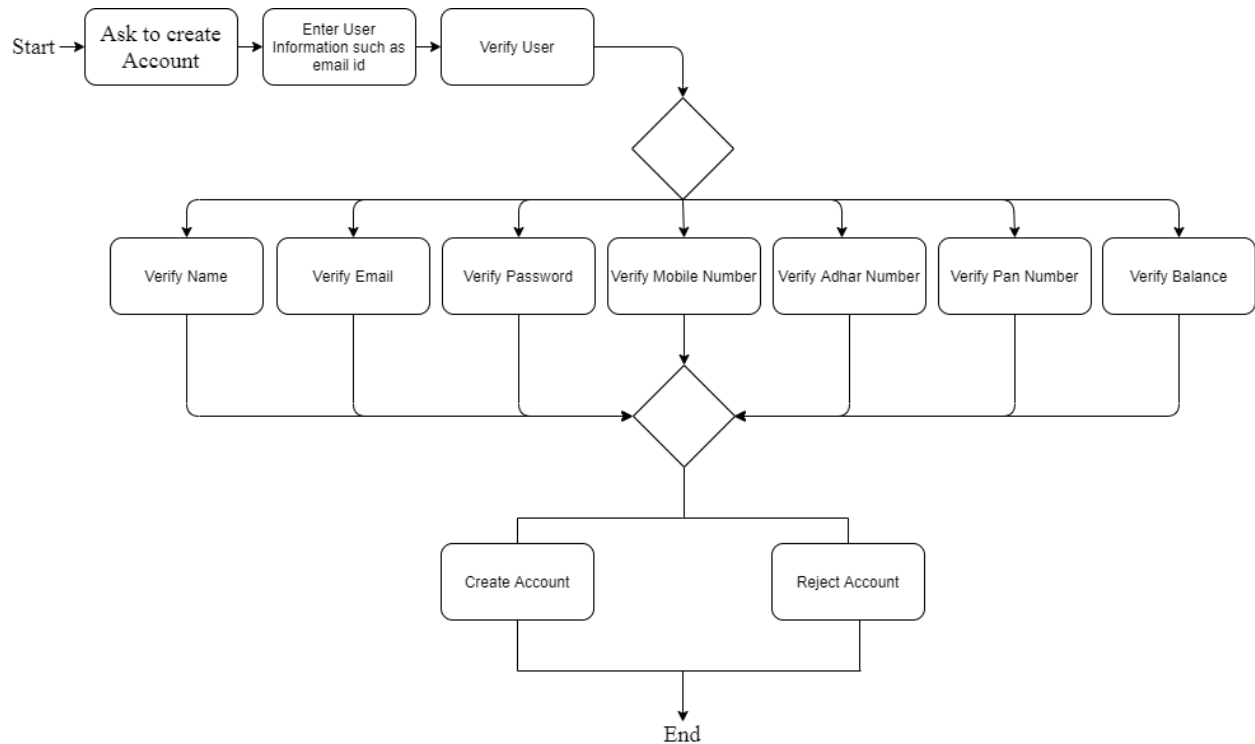


Activity Diagrams:

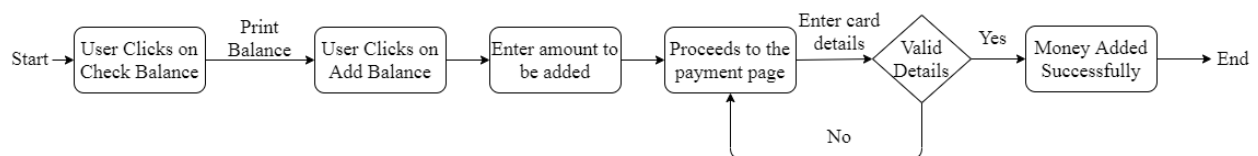
Login-



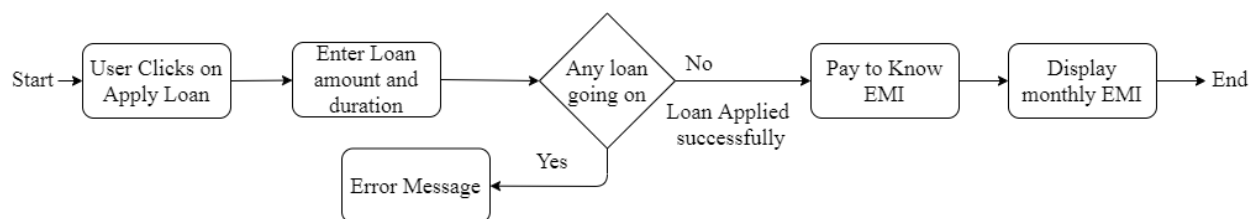
Registration-



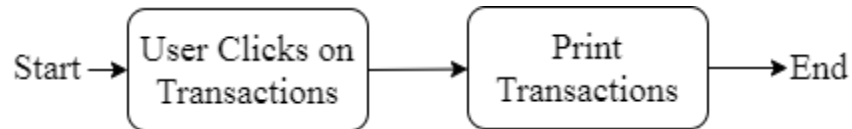
Check Balance-



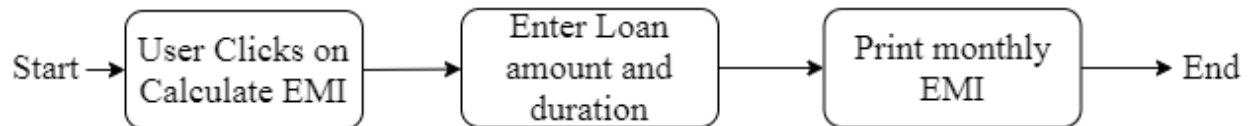
Apply Loan-



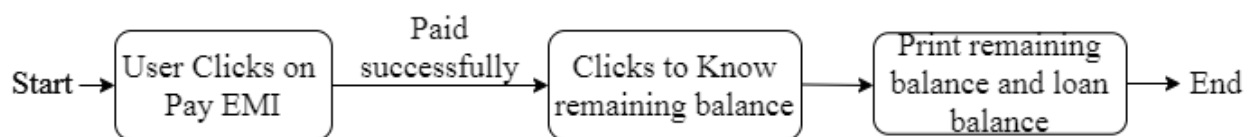
Print transactions-



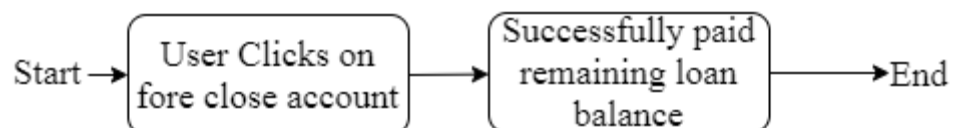
Calculate EMI-



Pay EMI-

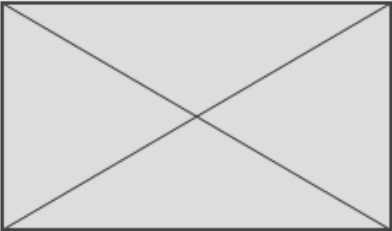


Fore Close-



WireFrames-

1) Log In

INNOVILBANK	Home About us Why us Contact us	
	<div>Welcome to Innovil Bank</div> <div>Email Address:</div> <div><input type="text"/></div> <div>password</div> <div><input type="password"/></div> <div>Login Cancel Create Account</div>	<div>+91-7226936935</div> <div>Innovil@gmail.com</div> <div>Most trusted bank</div>

2) Sign Up

Your Name	Email Address	password	Mobile Number
<input type="text"/>	<input type="text"/>	<input type="password"/>	<input type="text"/>
Type of account	Adhar Number	Pan Number	Balance
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Save	Reset	Already have an account	