# Introduction and Assumption

Malaysia Bank Online Loan Management System (MBOLMS) is a loan management system used by Malaysia Bank (MB) and its customers. This system helps the administration as well as its customers to get all the information as well as apply loans and make installment payments. It allows the user and the bank administration to effectively manage all the transactions of customers easily. The main objective of this system is to serve customer to perform and manage their transaction for loan while maintaining the detail records. It also helps the bank to maintain the records of the transactions and grant loan to the customers.

In this Loan Malaysia bank Online Loan Management System (MBOLMS) will help managing all the transaction of large number of customers of Malaysia Bank. This system simplifies the process of handling all the transaction and reduces the burden of the bank administration to a large extinct. The only requirement is a computer system that can handle the system and store all the records of the transactions.

Covering the whole process, there are two types of users, admin, and customers. Customers must register themselves and get verified by the admin to apply loan. A verified user can check the available loan details and apply for the loan which is suitable for him/her. Once the admin verifies his/her loan then they can see the all the loan details and pay as per their comfort. Admin users can verify new customer users, verify loan requests, see all the granted loans and see all the transactions.

The assumptions here is that, in absence of Malaysia Bank Online Management System (MBOLMS) both the customer and bank is facing problems on keeping the records. Large number of customers visit branch regularly and call agents just to get information about Loan Eligibility, Loan Amount, Interest Rate, or Installment Amount. Along with this Malaysia Bank is facing trouble to keep record of all their customers detail and transactions. Hence, to minimize this issues, Malaysia Bank has decided to introduce Malaysia Bank Online Management System (MBOLMS).

# Flowchart

Diagram

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Flowchart Diagram 1 Homepage

*Diagram

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Flowchart Diagram 2 Admin login

Diagram

Description automatically generated with medium confidence

Flowchart Diagram 3 admin menu view

Diagram

Description automatically generated

Flowchart Diagram 4 verify user

Text, application

Description automatically generated with medium confidence

Flowchart Diagram 5 See verified loan

Graphical user interface, text, application

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Flowchart Diagram 6 See all transactions

Diagram

Description automatically generated

Flowchart Diagram 7 Customer login

Diagram

Description automatically generated

Flowchart Diagram 8 Customer view

Diagram, shape

Description automatically generated with medium confidence

Flowchart Diagram 9 See loan detail

Diagram

Description automatically generatedFlowchart Diagram *10* installment payment

A picture containing text

Description automatically generated

Flowchart Diagram 11 See transactions

Graphical user interface, application, chat or text message

Description automatically generated

Flowchart Diagram 12 Go back

# Pseudocode

## Main Page

START program;

DISPLAY main page;

DISPLAY admin login, customer login, register customer;

SELECTION a choice;

READ choice;

IF(Choice = admin login) THEN:

Go to admin login view;

ELSE IF(Choice = customer login) THEN:

Go to customer login view;

ELSE IF (Choice = customer registration) THEN:

Go to create customer view;

ELSE:

DISPLAY “Invalid input”

Return to main page;

END program.

## Admin Login

Begin Program;

Admin login view;

Prompt user for username and password;

Read username and password;

WHILE(username = FALSE or password ==FALSE) DO:

DISPLAY “Invalid username or password”;

PROMPT user for username or password;

ENDDO;

Go to admin view;

ENDIF

## Admin View

Begin

Admin View

Display “1) verify new users 2) verify loan request 3) see all verified loan 4) see all transactions

Prompt User for a Choice;

Read choice;

IF (choice = 1), THEN:

Display list of unverified users;

Prompt “input Username”;

Read username;

IF (username exists), THEN:

Verify username

Prompt “Press enter to go back”

ELSE:

Display “Invalid user”

Prompt “Press enter to go back”

ELSE IF (choice = 2), THEN:

Display list of unverified loan requests;

Prompt “input loan id”.

Read loan id;

IF (loan with loan id exists), THEN:

Verify loan

Prompt “Press enter to go back”

ELSE:

Display “invalid loan id”

Prompt “press enter to go back”

ELSE IF (choice = 3), THEN:

Display list of verified loans

Prompt “press enter to continue”

ELSE IF (choice = 4), THEN:

Display all transactions

Prompt “press enter to continue”

ELSE;

Display “Invalid input”

Prompt “Enter choice”

ENDIF

End Program

# Customer Login

Begin Program;

Customer login view;

Prompt customer for username and password;

Read username and password;

WHILE(username = FALSE or password = FALSE or verified = FALSE) DO:

DISPLAY “Invalid username or password”;

PROMPT user for username or password;

ENDDO;

Go to Customer view;

ENDIF

# Customer View

Begin Program

Customer View

Display Choices “1) See available loans 2) Pay Loan installment 3) View Transactions 4) Check loan status 5) Go back”

Read Choice

IF choice = 1, THEN:

Display loan types

Prompt “Enter loan type”

Read loan type

IF loan type exists, THEN:

Prompt “Enter amount”

Prompt “Enter time”

Read amount and time

IF loan available for time, THEN:

WRITE file name “loan.txt”

DISPLAY “Your loan request has been submitted”

ELSE:

Display “Invalid time”

Prompt “Enter time”