

NON-GOVERNMENTAL ORGANIZATION LOAN

Department of Software Engineering , FSIT

Course Code: SWE 431



Daffodil
International
University

Project Title: NGO LOAN

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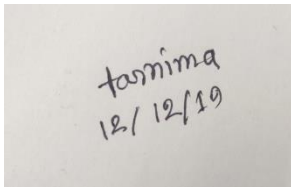
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DECLARATION

I hereby declare that I have taken this project under the supervision of Mr. Farhan Anan Himu, Lecturer, Department of Software Engineering, Daffodil International University. I also announce that neither this project nor any part of this report has been dedicated elsewhere for any degree or award.



Tasnima
12/12/19

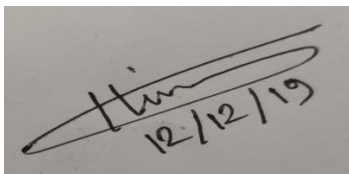
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Tasnima Jaman

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PROJECT SUMMARY

This is a loan system project. Customer Can Take loan From NGO System. At first Customer Create Account & login this system. Then Customer Can Take Loan (One time maximum 1lac Taka). After Customer Can Pay his/her loan then he will can take again loan. Customer Payment loan Weekly, Monthly or One time. Minimum payment loan is 250taka. This system show Customer loan amount, payment amount, Number of payment week, number of taken loan, Number of due week & customer behavior. Customer can see payment amount & payment date.

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1 INTRODUCTION

1.1 Overview:

This system is fully online based. When people need money they can take loan from this NGO system. Now a day's people suffer because of money, this system helps any kind of people like (farmer, web developer, student, businessman, and driver) can take loan by this system. Agent collect information then sign in .How much amount of loan people can take, how much money they keep in monthly, weekly or yaerly.This system has restriction also that people cannot take more than 1lac taka. And people cannot give payment less than 250.People can know all their loan information from this system.

1.2 Purpose

- Make an easy way to giving loan
- Monthly payment
- Weekly payment
- Payment easily
- To get all the loan information.

1.3 Background

Before this system generate people cannot take loan easily. IN many NGO system people have to pay their loan by giving more money in monthly or weekly but in my system people pay their loan in short amount.

1.4 Objectives

- To build the system automatic and digital.
- Power to communicate at all levels.
- Less restrictions for the government.
- Simple to use.
- To make the process time skillful.

1.5 Stakeholder

There are two type of stakeholder of my system.

1. USER
2. AGENT.

1.6 MODEL SYSTEM

To develop this system, I proposed a model for this loan information. I try to clear the system briefly here.

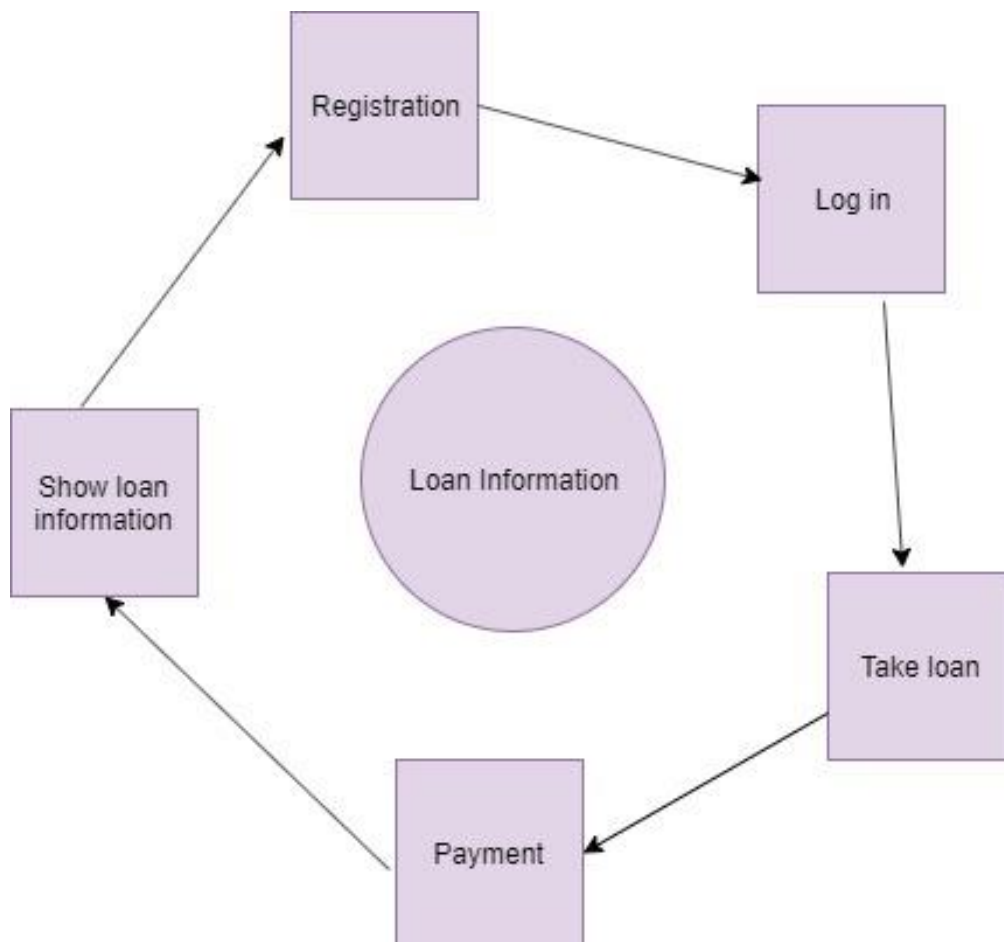


Fig 1. 1 : Model System

1.7 Project Plan

Properly full fill the requirements and complete the project at the right time, project design helps for proper planning. I also build a project design to complete my project properly.

1.8 Gantt chart

In project planning, I apply Gantt chart to manage my project properly. To apply these tools, I can way the entire task which is not done or not. Also way which one is schedule for the next task? I monitoring my project term by these tools.

TABLE 1 : GANTT CHART

Weeks	1	2	3	4	5	6	7	8	9	10	11	12
Pre-Analysis phase	■											
Study		■										
Project proposal			■									
Detailed Study And Analysis			■	■								
Initial Prototype				■	■	■						
Mid Term Defense							■					
Implementation of System								■	■	■	■	
Testing										■		
Documentation of Project Work	■	■	■			■	■				■	
Final Defense												■

1.8.1 Milestones

Milestones, a time formation of a project, will identify the task. These project milestones are as follows:

TABLE 2 : MILESTONES

Task No	Task Name	Duration
01	Planning	15 days
02	Requirement gathering & Analysis	09 Days
03	System Design	07 Days
04	Data Base Design	11 Days
05	Development	35 Days
06	Testing	06 Days
07	Implementation	02 Days
08	Relies	05 Days
	Total	90 Days

2 SOFTWARE REQUIREMENTS SPECIFICATION

Requirements analysis is the process of identifying the user satisfaction form the System. So, Requirements analysis is a necessary part of project management.

When I chose this project I thinking about some specific Software requirement, like as...

- Who is the stakeholder of this system?
- Is it helpful for them or not?
- Functional & Non- functional requirements
- Maintenance of the system
- Is it efficient for using?

2.1 Functional requirement:

The functional requirements of the system are like below-

2.1.1 Sign in:

TABLE 3 : SIGN IN

FR-01	Sign in
Description	In this system there are many users like (farmer, web developer, student, businessman and driver) etc. But sign in is must for those people who want to apply for taking loan. This page is required some information like as name, contact number, profession, address, amount etc. And store the information.
Stakeholder	User

2.1.2 Take loan:

TABLE 4 : TAKE LOAN

FR-02	Take loan
Description	Only registered people can apply for loan. This module will help the people to apply for weekly or monthly loan.
Stakeholder	User

2.1.3 Weekly payment:

TABLE 5 : WEEKLY PAYMENT

FR-03	Weekly payment
Description	Without register Agent in this system he/she will only be able to see the website. To manage t application people must need to register in this system. This module will help the people to register in this system. People can payment weekly.
Stakeholder	User

2.1.4 Monthly payment:

TABLE 6 : MONTHLY PAYMENT

FR-04	Monthly payment
Description	Only registered people can manage the loan application and complete validation process through this system. People can payment monthly
Stakeholder	User

2.1.5 All information

TABLE 7 : ALL INFORMATION

FR-05	All information
Description	This Module is only for people of giving loan, payment loan or his/her all information details. They can check information through using this system.
Stakeholder	User

2.2 Performance requirements:

It's very important to maintain the representation of the project. To confirm the best performance, this project has to meet some requirements which will give the best performance.

2.2.1 Speed and latency requirements:

While inserting or viewing the system in the browser, system need a minimum amount of speed to perform the task.

TABLE 8 : SPEED AND LATENCY REQUIREMENTS

SLR-01	The system will be faster
Description	When the user browsing, it depends on their internet speed. It also depends on server bandwidth speed.
Stakeholders	Agent, User.

2.2.2 Legibility and accuracy requirements:

System has to confirm the Legibility and Accuracy of the data.

TABLE 9 : LEGIBILITY AND ACCURACY REQUIREMENTS

LAR-01	Data accuracy
Description	The input data should be correct and right pattern data, otherwise the input information never saves. Like amount, contact number, address etc. the input information is not valid, the data never save. Or the input data pattern is not match; the system never saves or accepts the data.
Stakeholders	Agent, User.

2.2.3 Capacity requirements:

The system should maintain the all inserting data.

TABLE 10 : CAPACITY REQUIREMENTS

CR-01	Manage the all data in database system.
Description	All registration data like People who giving loan or payment loan registration data and other information are store in the database in right format.
Stakeholders	Agent, User.

2.2.4 Dependability requirements:

Dependability means, it measures of a system availability, reliability, security etc. Here, dependability means the run time of this project.

2.2.5 Reliability and availability

TABLE 11 : RELIABILITY AND AVAILABILITY

RA-01	The system must be obtainable 24x7
Description	<ul style="list-style-type: none"> ➤ It's available 24 hours in a day ➤ The system must be updated regularly
Stakeholders	Agent, User.

2.2.6 Safety critical requirements:

There are no appointed safety critical requirements.

2.3 Maintainability and supportability:

To Keep up The system and support the system, some people are joined with the project.

2.3.1 Supportability requirements specification:

- **SRS-1.** Understand the system's dealing on a technological confirmation is required by the system operator. The cause for reading them might be.
- **SRS-2.** System malfunction has ensured and the system operator has to search the proper point of time when this occurred.
- **SRS-3.** System generates deceitful results and the developers must be capable to copy the data flow through the system.
- **SRS-4.** Anyone afforded to break the system's security mechanisms and the system operator must feel what he did.

2.3.2 Adaptability requirements:

There is no appointed adaptability Requirements.

2.3.3 Security requirements:

- **SR-1.** Sign in for giving loan.
- **SR-2.** Sign in for people all loan information.

To get entry to this system or an appointed module the system must provide an authentication mechanism. To confine anyone to take advantage stolen Data all user's password must be encrypted in hash process.

2.3.4 Access requirements:

This system provides accesses the variant module, by access the authentication way the genuine user.

2.3.5 Integrity requirements:

To confine credentials information of user from being stolen, all passwords are stored in encrypted form. The Requirements significantly cut downs the value of stolen user credentials, it's not easy to decrypt the password.

2.4 Usability and human integrity requirements

This system usage simple to use and all the person who wants to attach for taking loan and who payment it.

2.5 Data Validation

In this stage I have effort to validate almost all input field.

2.6 User Interface Design

It is necessary to confer the system users and their necessities while modeling the user interface.

3 Requirements Analysis

3.1 Use Case Diagram:

In this system a user what substances people can do, is describe in this picture that provide in below:

In this diagram have two actor user and agent. User

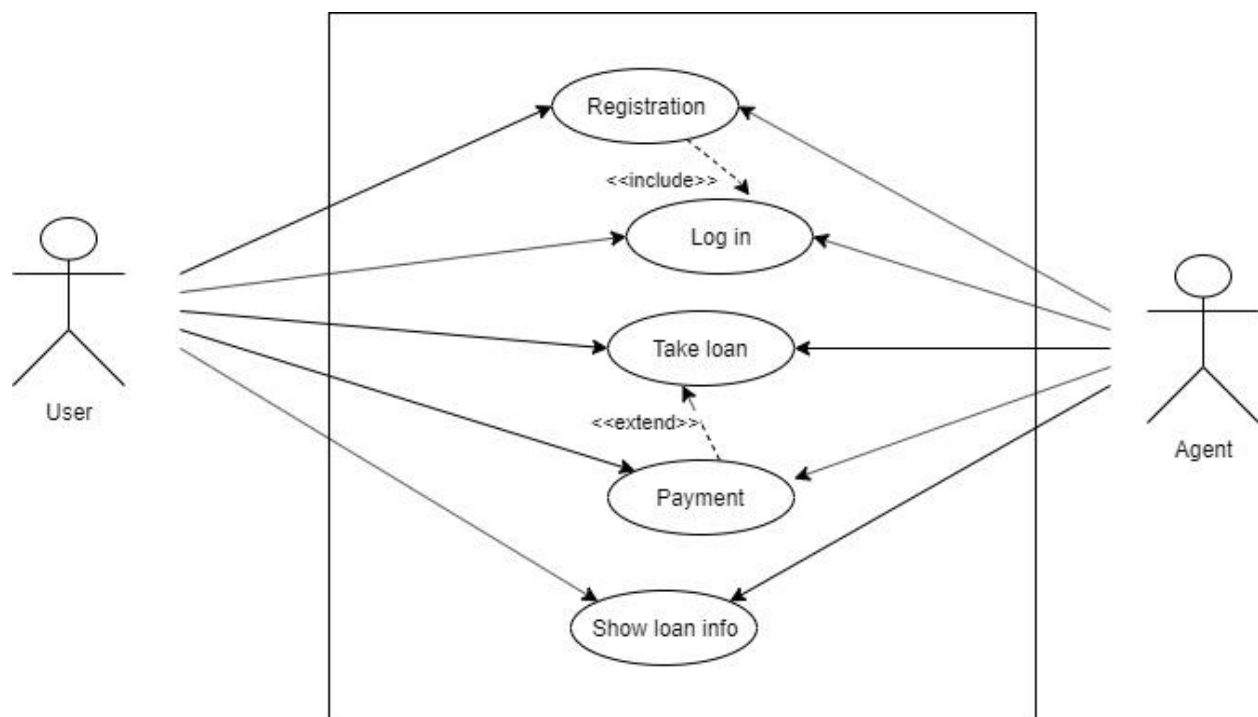


FIG 1. 2 : USE CASE DIAGRAM

3.1.1 Registration:

TABLE 12 : REGISTRATION

Use Case Title	Registration
Goal	Insert User Information to the database.
Precondition	User must log in name, phone no, address, profession, loan amount, payment amount.
Success & End Condition	System stores the User information.
Failed End Condition	Database can't store the data.
Primary Actors:	User
Secondary Actors:	Agent
Trigger	User Registration
Description	Agent must to registration in the system insert user information.
Alternative Flows	N/A
Quality Requirements	N/A

3.1.2 Log in:

TABLE 13 : LOG IN

Use Case Title	Log in
Goal	Login Successfully
Precondition	Must in Database as User.
Success & End Condition	System check & permission.
Failed End Condition	Cannot access system.
Primary Actors: Secondary Actors:	User
Trigger	Manage Application.
Description	Check and manage application.
Alternative Flows	N/A
Quality Requirements	N/A

3.1.3 Take loan:

TABLE 14 : TAKE LOAN

Use Case Title	Take loan
Goal	Login Successfully
Precondition	Must in Database as User Info.
Success & End Condition	System check & permission.
Failed End Condition	Cannot access system.
Primary Actors: Secondary Actors:	User
Trigger	Manage Application.
Description	Check and manage application.
Alternative Flows	N/A
Quality Requirements	N/A

3.1.4 Payment:

TABLE 15 : PAYMENT

Use Case Title	Payment
Goal	Login Successfully
Precondition	Must in Database as User info.
Success & End Condition	System check & permission.
Failed End Condition	Cannot access system.
Primary Actors:	User
Secondary Actors:	Agent
Trigger	Manage Application.
Description	Check and manage application.
Alternative Flows	N/A
Quality Requirements	N/A

3.1.5 Show loan info:

TABLE 16 : SHOW LOAN INFO

Use Case Title	Show loan info
Goal	Take loan
Precondition	User must log in name, phone no, address, profession, loan amount, payment amount.
Success & End Condition	System check & permission.
Failed End Condition	Cannot access system.
Primary Actors:	User
Secondary Actors:	Agent
Trigger	Manage Application.
Description	Check and manage application.
Alternative Flows	N/A
Quality Requirements	N/A

3.2 Activity Diagram

Following activity diagrams are properly describing the flow of the different state of the project.

3.3 Registration Activity

To this figure 1.3 explain Registration process.

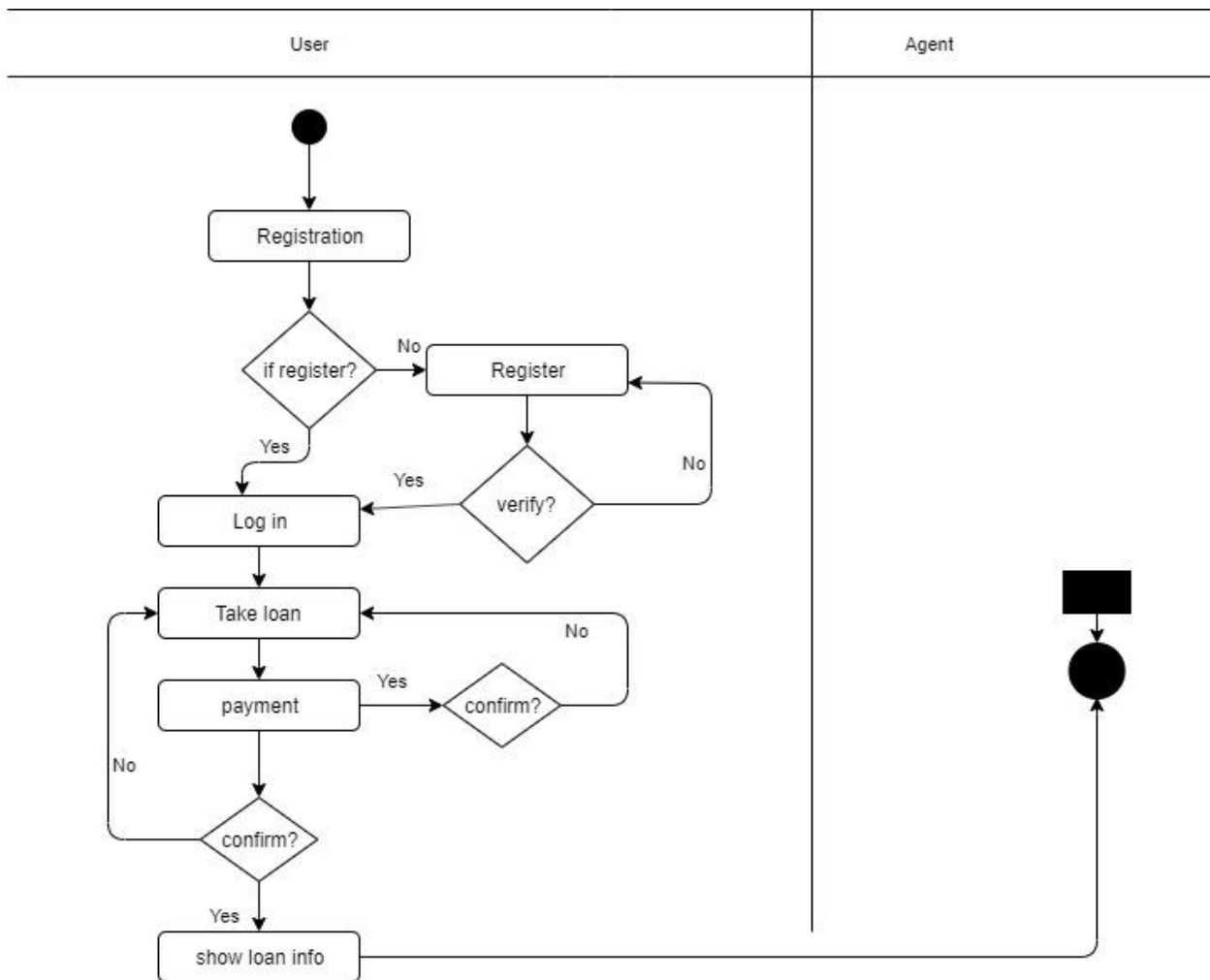


FIG 1. 3 : REGISTRATION ACTIVITY

3.3.1 Activity for Log in:

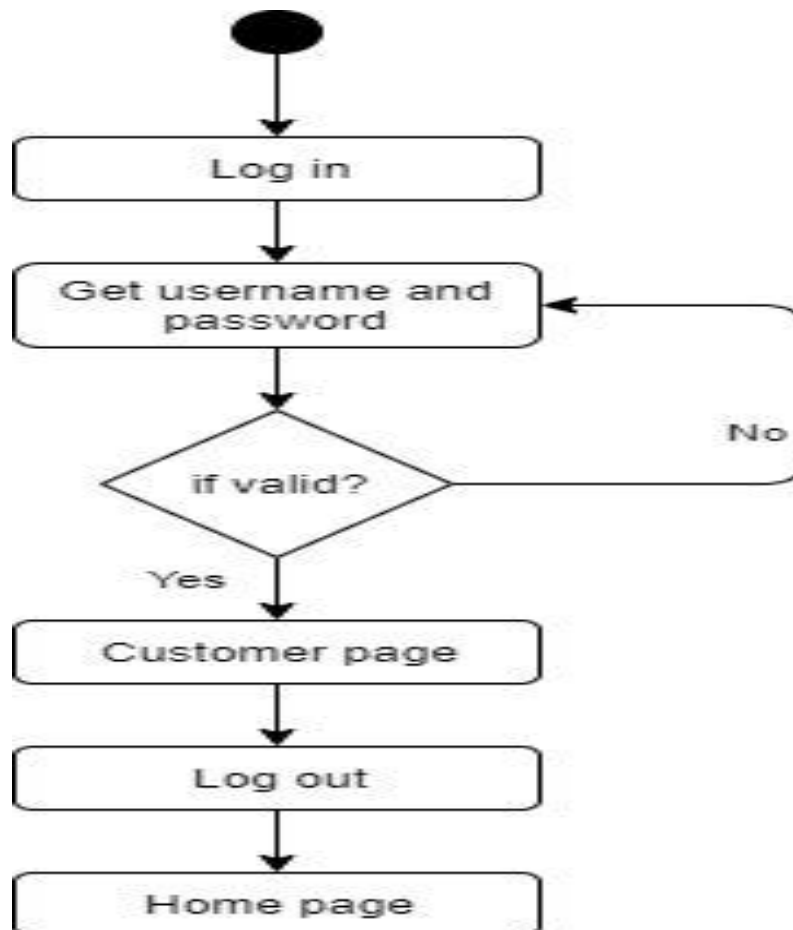


FIG 1. 4 : ACTIVITY FOR LOG IN.

3.3.2 Activity for Loan:

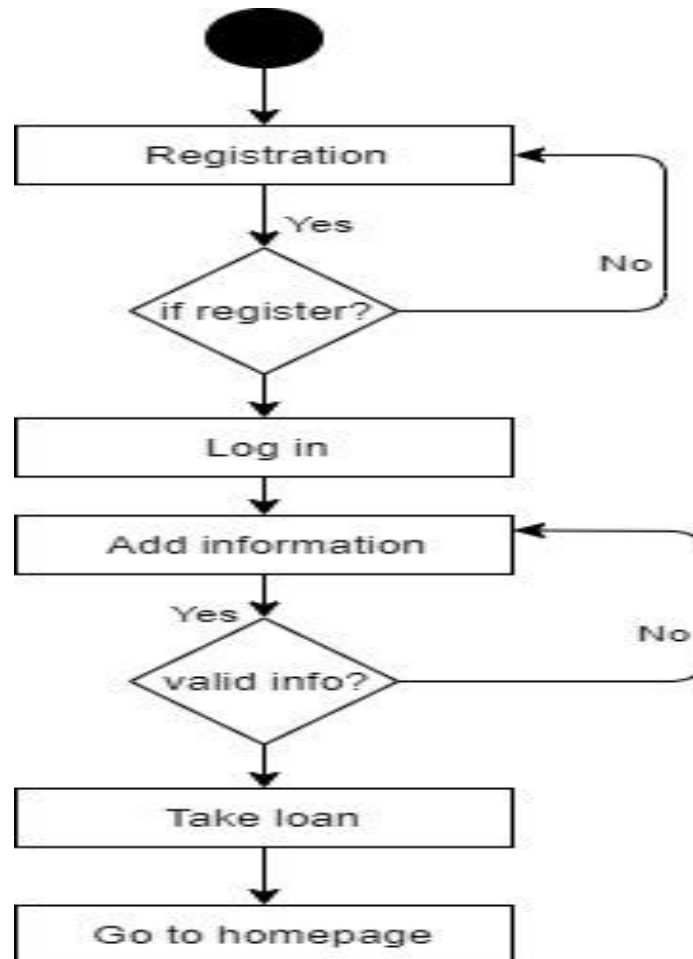


FIG 1. 5: ACTIVITY FOR TAKING LOAN.

3.3.3 Activity for payment:

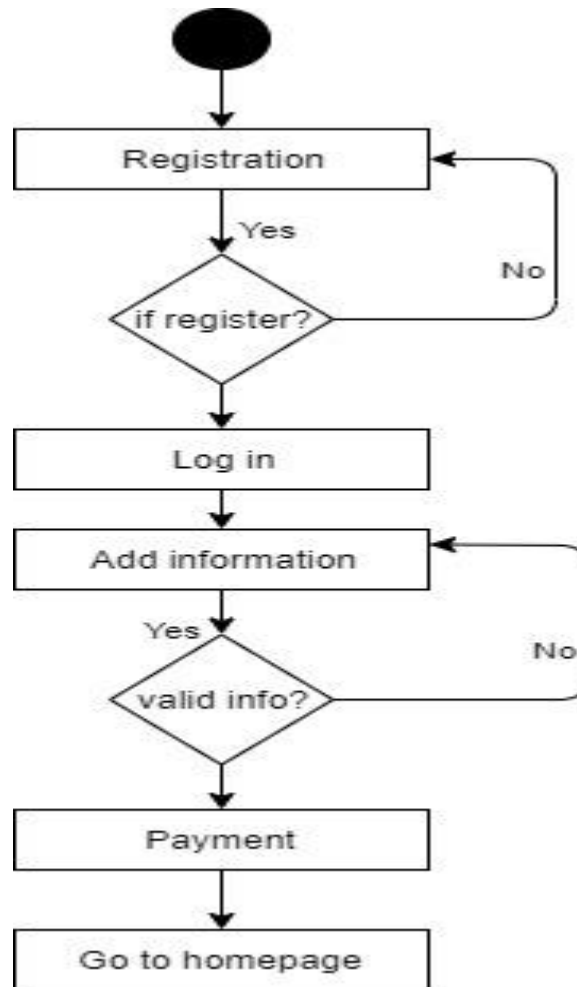


FIG 1. 6 : ACTIVITY FOR PAYMENT

3.3.4 Activity for show user loan information:

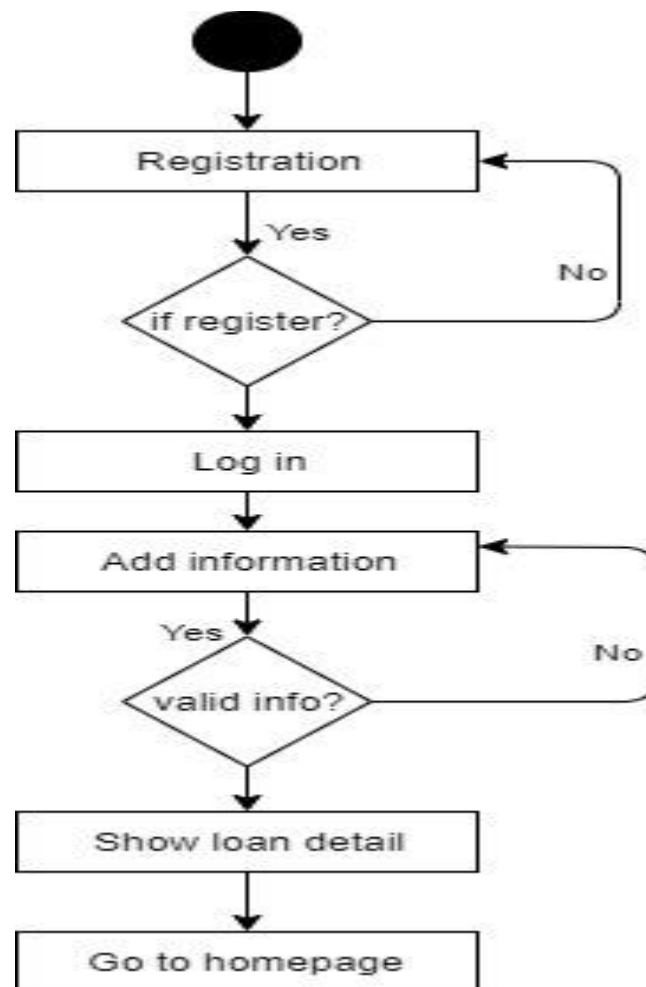


FIG 1. 7 : ACTIVITY FOR SHOW USER LOAN INFO.

3.4 Sequence Diagram:

Sequence Diagram display the process in sequential way that it's actor done. In this section detail the sequence system to database.

3.4.1 Sequence Diagram for Registration and Log in:

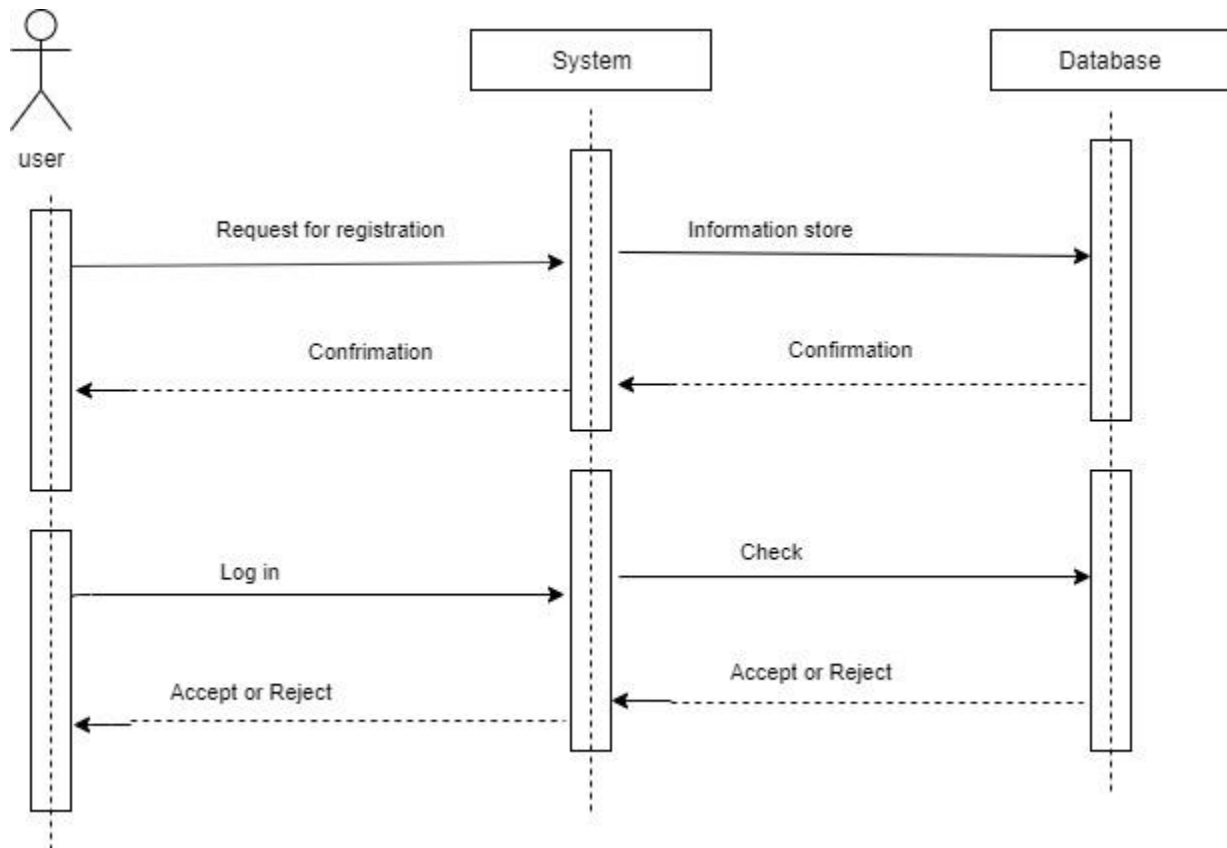


FIG 1. 8 : SEQUENCE DIAGRAM FOR REGISTRATION AND LOG IN.

3.4.2 Sequence Diagram for giving loan:

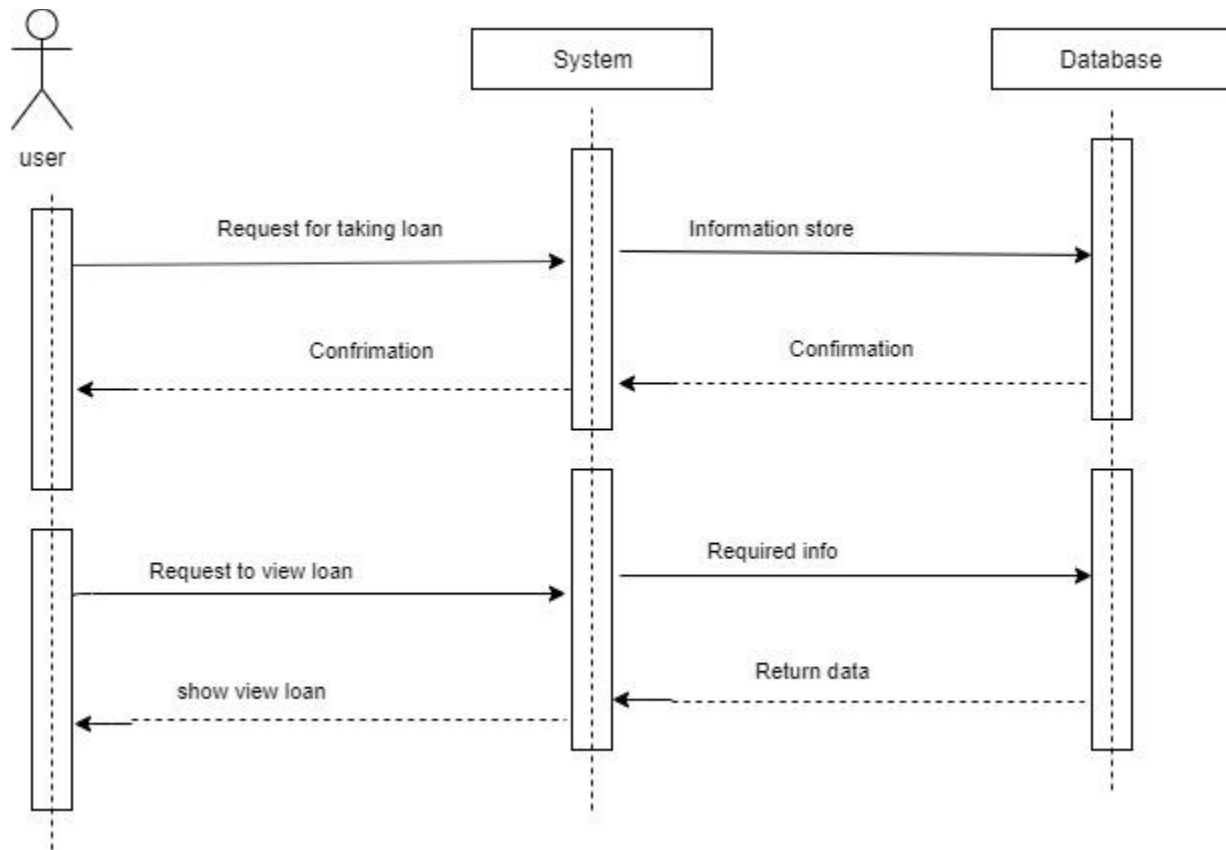


FIG 1. 9 : SEQUENCE DIAGRAM FOR GIVING LOAN.

3.4.3 Sequence Diagram for payment:

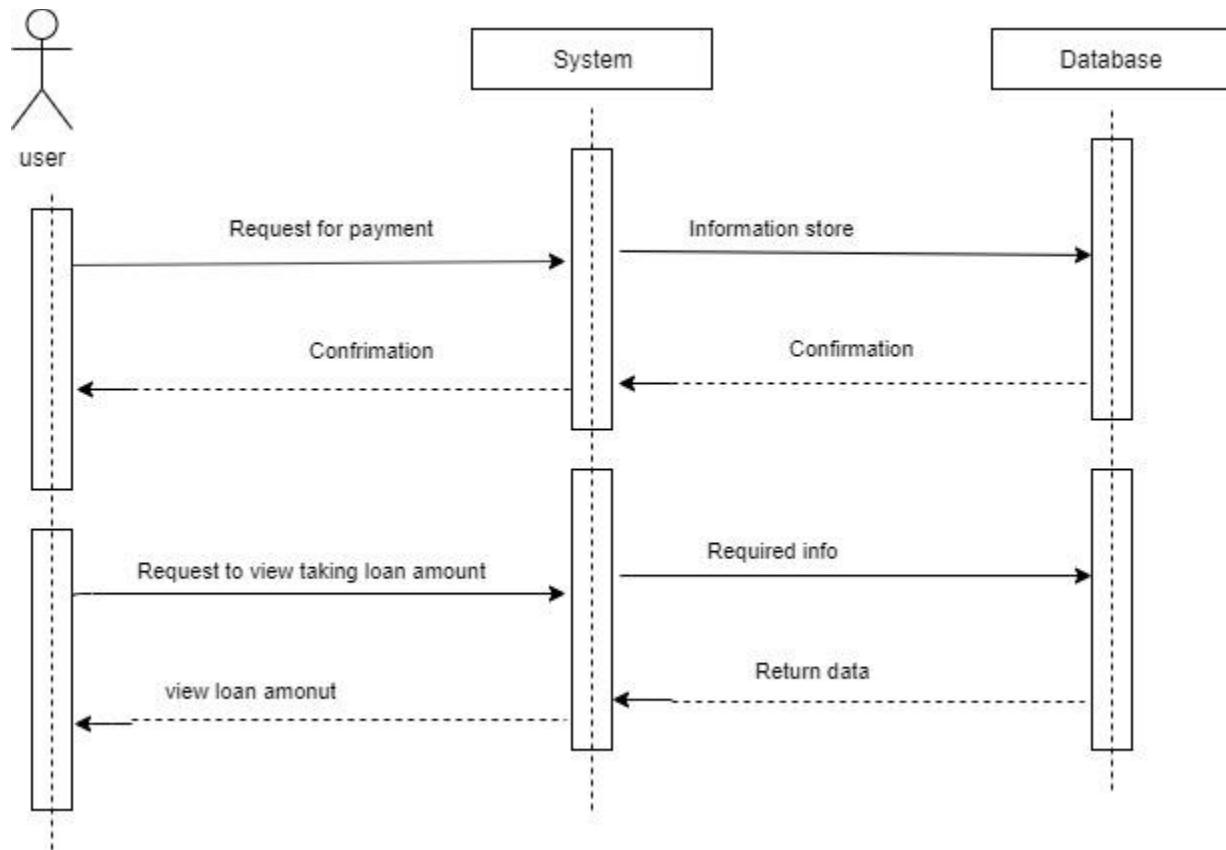


FIG 1. 10 : SEQUENCE DIAGRAM FOR PAYMENT.

3.4.4 Sequence Diagram for Show loan info:

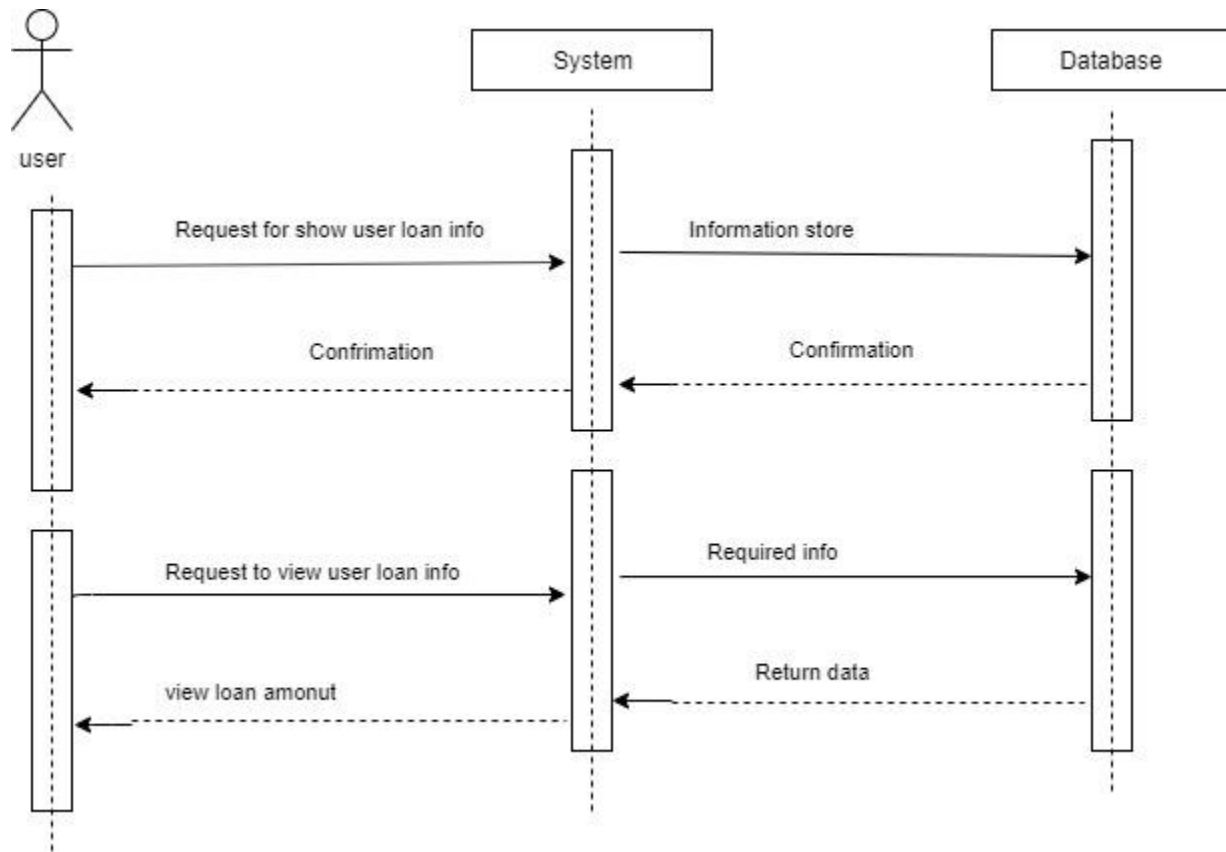


FIG 1. 11 : SEQUENCE DIAGRAM FOR SHOW USER LOAN INFO.

3.5 Data Flow Diagram (DFD):

A data-flow diagram (DFD) is a measure of representing a flow of a data of a process or system. The DFD also provides information about the outputs and inputs of each entity and the process.

3.5.1 Data Flow Diagram (DFD) Level 0 or Context Diagram:

To Describe the system properly and its process.

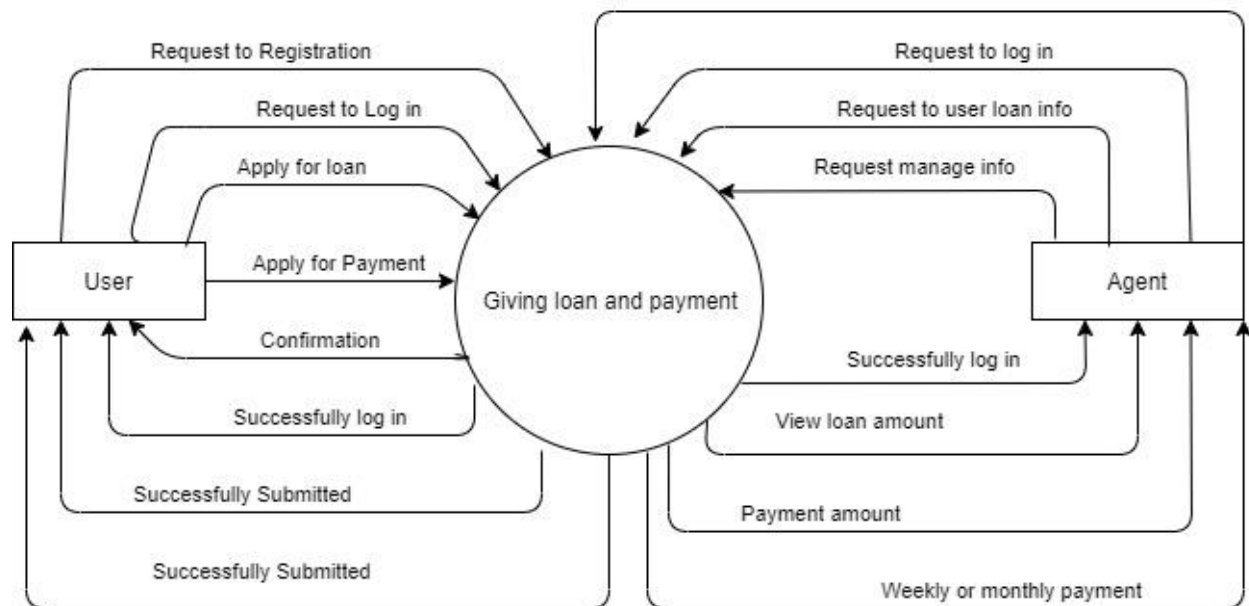


FIG 1. 12 : DATA FLOW DIAGRAM (DFD) LEVEL 0.

3.5.2 Data Flow Diagram (DFD) Level 1.0:

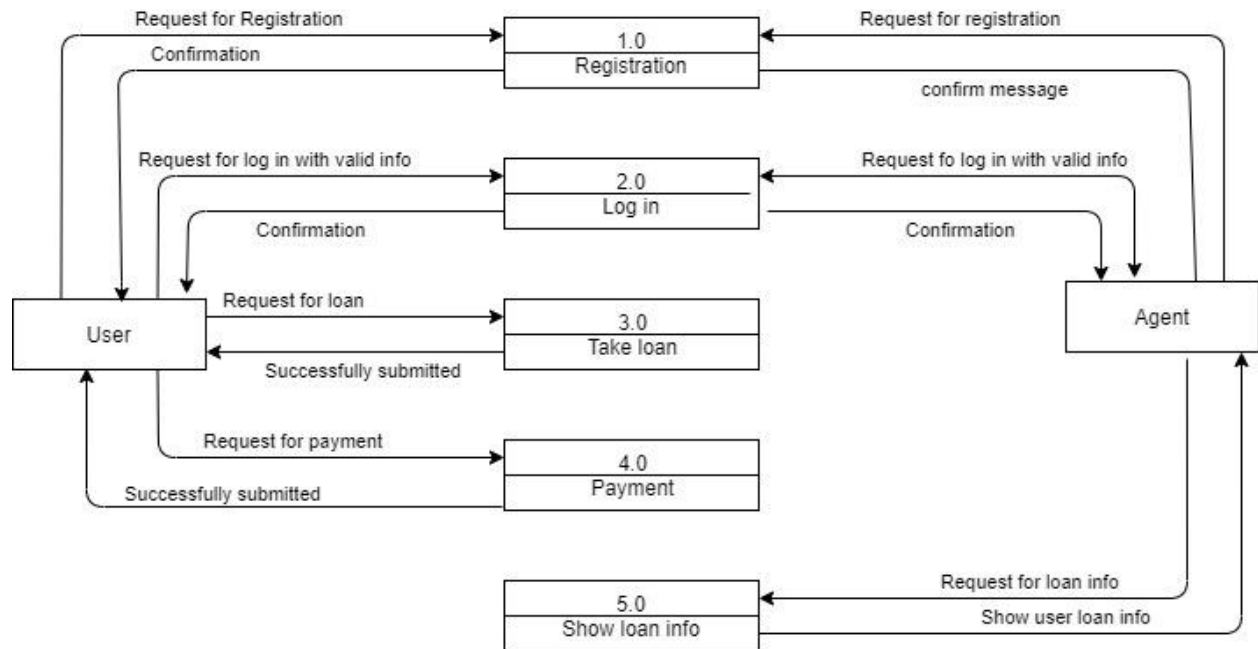


FIG 1. 13 : DATA FLOW DIAGRAM (DFD) LEVEL 1.0.

3.6 ERD:

In this figure show the database relation.

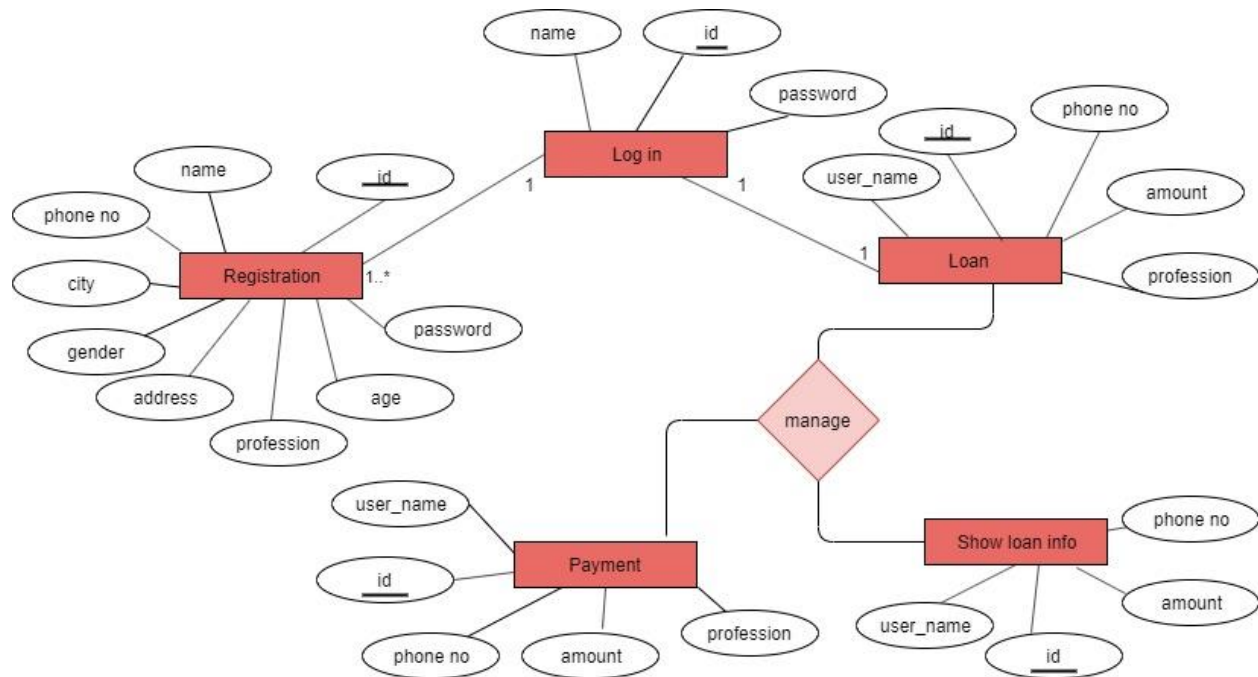


FIG 1. 14 : ER DIAGRAM

3.7 Class Diagram:

In software engineering, a class diagram in the UML is a **typewriter of fixed structure diagram** that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among objects.

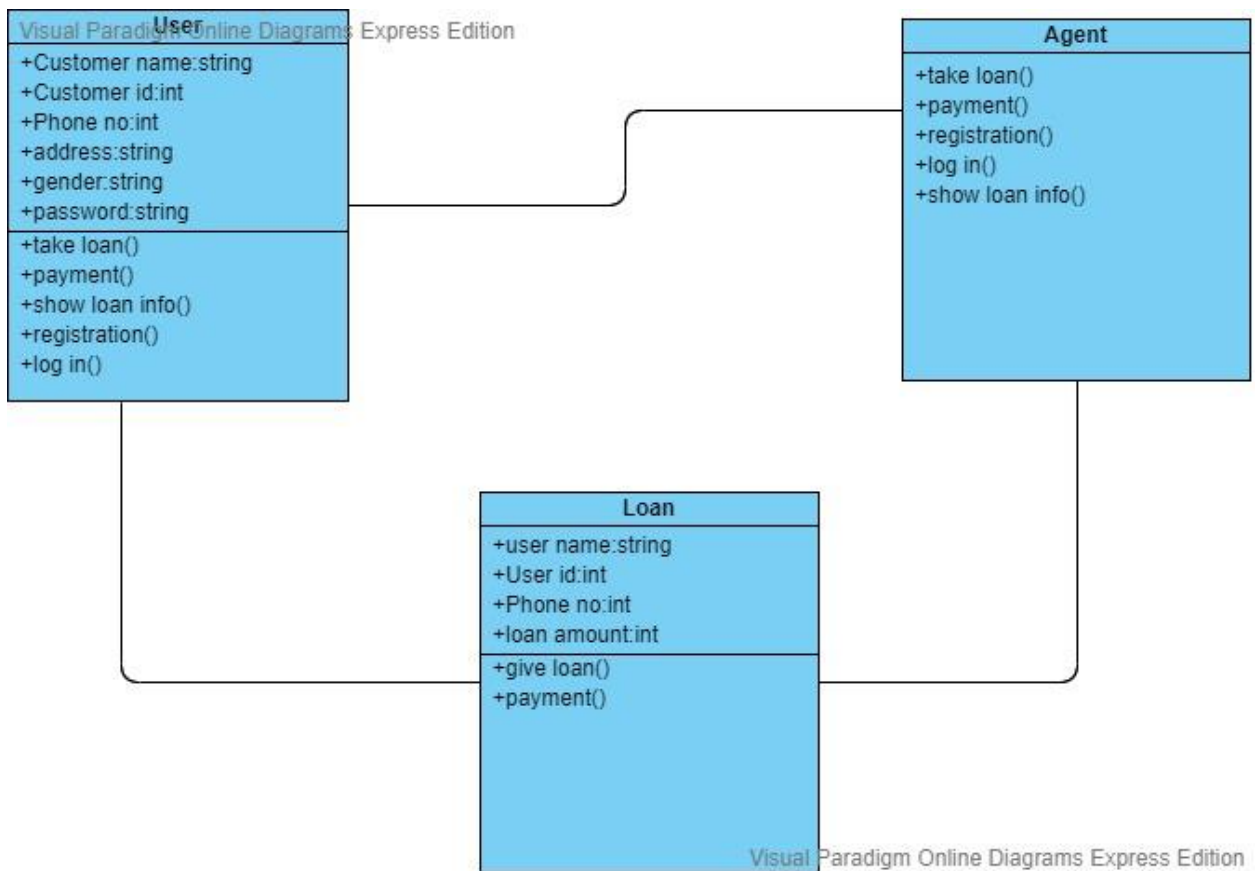


FIG 1. 15 : CLASS DIAGRAM.

4 Design and Development

4.1 Technology & Tools

For exhibited this project, I have conducted some tools and technology that's talking in below.

4.2 User Interface Technology:

User interface (UI) is all designed into a system view that a person's servitors with this system may like the interface of this system.

4.3 Technology

- Programming language: php.
- Web server: Apache.
- Design: html, CSS, bootstrap, JavaScript
- Database server: MySQL Server

4.4 Tools:

- XAMPP Control Panel V3.2.4.
- MySQL Server.

5 IMPLEMENTATION

5.1 Hardware & Software Specifications

In this turn I want to narrate what's needed to make this application.

➤ **Hardware Requirements:**

- PROCESSOR: Dual Core or above
- RAM: 2GB or above
- Cache Memory: 2MB or above
- HDD: 20GB or above

➤ **Software Requirements:**

- IDE: XAMPP.
- Database: MySQL Server.
- Web-Server: Apache.

6 MANUAL

6.1 Home page

Now I am showing home page of my application. In home page anyone can view.

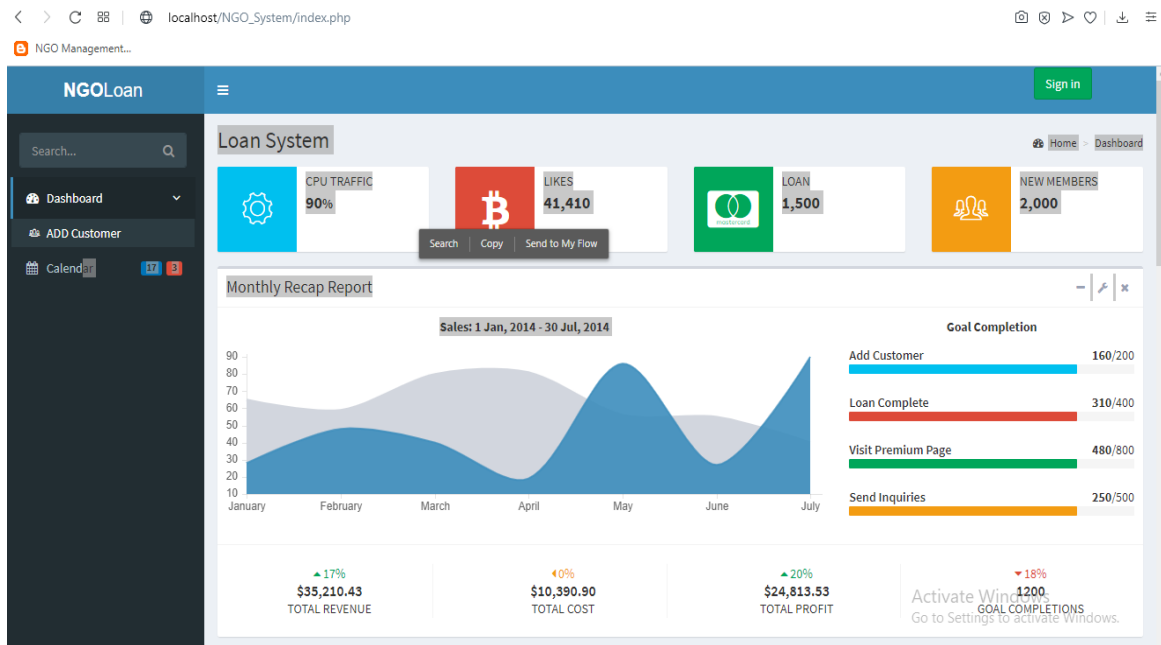


FIG 1. 16 : HOME PAGE

6.2 Customer Account page:

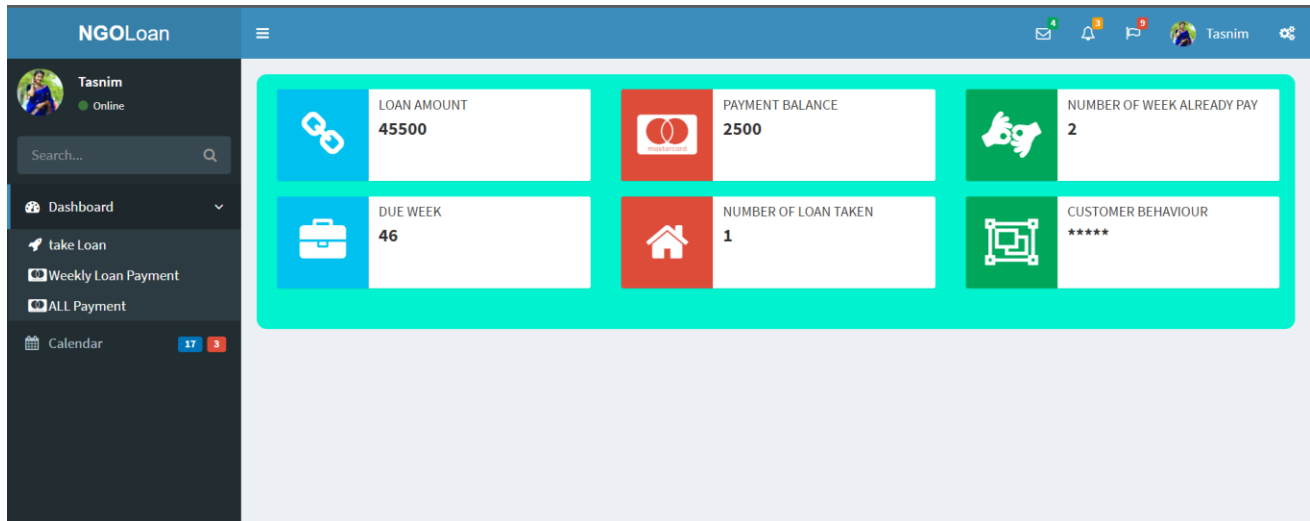


FIG 1. 17 : CUSTOMER ACCOUNT PAGE.

6.3 Registration page:

User registration form to access the system.

The screenshot shows the 'Registration Page' in the NGOLoan system, titled 'ADD Customer'. The form includes the following fields:

- First Name
- Last Name
- Phone Number(+880)
- Age
- Select Gender
- Select city
- Enter your address(Example: upozila/road/house)
- Select Profession
- Enter password
- Choose File (No file chosen)

A green 'Submit' button is located at the bottom of the form. The page also features a 'Sign in' button in the top right corner and a breadcrumb trail: Home > Dashboard.

FIG 1. 18 : REGISTRATION PAGE

6.4 Login:

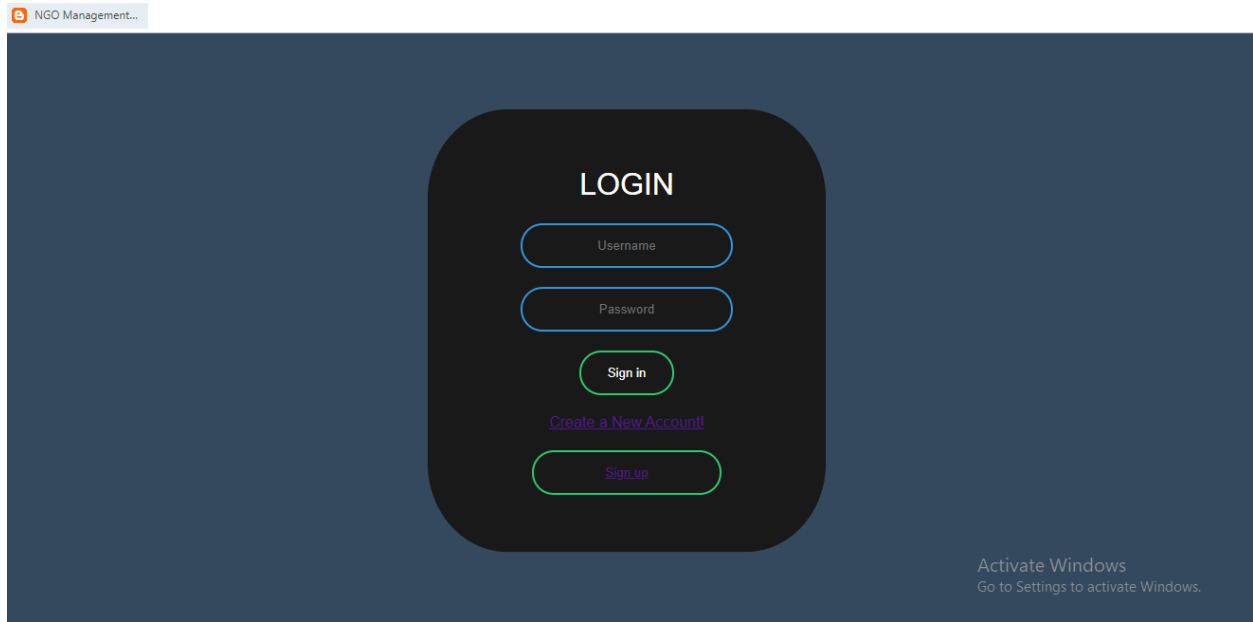


FIG 1. 19 : LOGIN PAGE

6.5 Take loan:

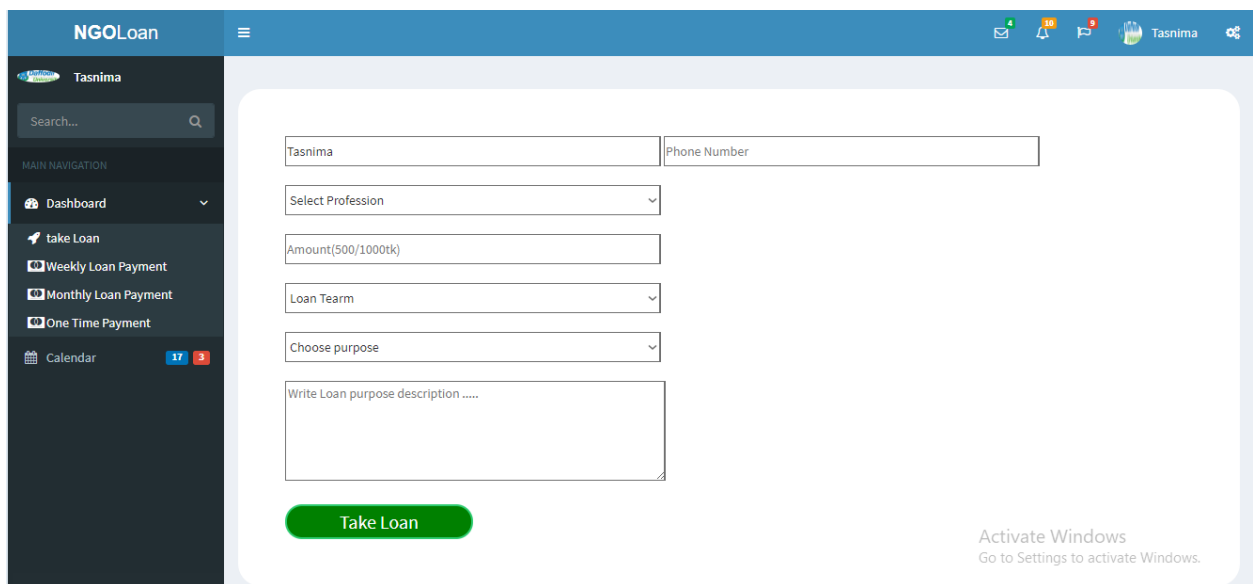


FIG 1. 20 : TAKE LOAN.

6.6 Payment loan:

NGO Management...

NGOLoan

Taslima

Search...

MAIN NAVIGATION

- Dashboard
- take Loan
- Weekly Loan Payment
- Monthly Loan Payment
- One Time Payment
- Calendar 17 3

Taslima

Phone Number

Amount(500/1000tk)

mm/dd/yyyy

Write any problems

Payment

Activate Windows
Go to Settings to activate Windows.

FIG 1. 21 : PAYMENT LOAN.

6.7 Show loan info:

NGOLoan

Sign in

Search...

Dashboard

- ADD Customer
- Customer Loan Info
- Calendar 17 3

Loan System

Customer Loan Information

Customer Name: Tasnim
Loan Amount: 45500
Loan Taken Date: 2019-11-27 13:02:40
Weekly Payment: 2000
Payment Date: 2019-11-27

Customer Name: Tasnim
Loan Amount: 45500
Loan Taken Date: 2019-11-27 13:02:40
Weekly Payment: 500
Payment Date: 2019-11-27

Activate Windows
Go to Settings to activate Windows.

FIG 1. 22 : SHOW LOAN INFO.

7 TESTING

The testing of the software was committed in entire manual end user data flow testing form. The testing access is anticipated here omitting the technical details.

Two common type of testing is black box testing and white box testing. Black box testing is also called functional testing. In this turn we trial only functionality, input, and output. White box testing is formation level testing. For this project I have conducted black box testing method.

7.1 Testing Strategy:

Testing strategy is to be taken into as a common purpose of testing process. Testing object, testing function methods, total available resources are included to the testing strategy. It is also the indicative of test levels that are to be fulfilled on the whole software development life cycle. Those strategies that are marked by the quality assurance team should be investigated by the developers of the application. After that it should be investigated by the test team leads. Different kinds of testing strategies can be fulfilled according to the type of application system that necessity to be tested.

7.2 Test approach:

To entire the test process, testers must take some access. There are majorly two test access.

Automation testing: Automation testing is a name of testing technique by which test engineers build some scripts according to test plan and after that they usage worthy tools to edit testing of the software. Nowadays, around every software company ensure the access of automation testing.

Manual testing: Manual testing is also a character of technique of testing by finding out the bugs or vulnerability in an application. In this process, test engineers manually test and fulfill the test cases without having any automation tools.

7.3 Black Box Testing

Black box testing is a software testing system by which test engineers test the software without having knowing of the interior masonry of the application that need to be tested. It is also known as behavioral testing. Black box testing can be both functional and non-functional. It overlooks the interior mechanism of a system. We have fixed to perform the identical class partitioning and Boundary value analysis techniques to equipment.

7.4 White Box Testing

White box testing is also a character of testing access which is also known as clear box testing, glass box testing, open box testing, transparent box testing, code based testing or structural

testing. It is other to the black box testing. In black box testing, the interior architecture or algorithms is not known to the testers while the whole software architecture is known to the testers while white box testing.

Testers can also portend the output of every test cases for white box testing. White box testing can be categorized into some levels. Such as:

- Unit Testing
- Integration Testing
- System Testing

The major benefit of white box testing is that testing is more throughout and the testing can be started from the very beginning stage.

7.5 Pass or Fail Criteria

Pass or fail criteria will be set by the test engineers. They will equip the pass / fail criteria on the basis of which input data are worked and which are not works well. Those data that are worked well will considered as pass criteria. And rest of input data will be considered as fail criteria.

Now I will give the pass / fail criteria below.

- System crash will not be considered as pass case.
- If any criteria pass 100% times, then it will be considered as pass criteria only.
- Hardware include server operating system.

If data can't be displayed to the application properly, then it is also to be considered as fail criteria.

7.6 Traceability matrix:

TABLE 17 : TRACEABILITY MATRIX

Project Manager			Business Analyst Lead		
QA Lead			Target Implementation Date		
BR#	Category / Functionality / Activity	Requirement Description	Use Case Reference	Test Case Reference	Comments
BR-1	Functional	Sign In	Use case 3.1.2	Test case 5.7.4	
BR-2	Functional	Sign Up	Use case 3.1.4	Test case 5.7.5	
BR-3	Functional	Practice code	Use case 3.1.25	Test case 5.7.5	
BR-4	Functional	See Progress	Use case 3.1.10, 3.1.11, 3.1.12	Test case 5.7.7	
BR-5	Non-Functional	User Instruction	Use case 3.1.5	Test case 5.7.4	

7.6.1 Test case for Customer Registration (Pass):

TABLE 18 : TRACEABILITY MATRIX

Test Case ID: TC 01			Module Name: Registration		
Sub Module: Customer Registration			Test Designed by: Tasnima Jaman		
Test Priority (Low/Medium/High): High			Test Designed date: 10.10.2019		
Test Title: Customer Registration with valid information			Test Executed by: Tasnima Jaman		
Description: Test the system's on registration page			Test Execution date: 11.10.2019		
Pre-conditions: The Customer navigate to registration page and input the required information filled. And click on the Register button.					
Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to Registration Page	Click on Registration	Customer be registered successfully	Redirect to home page with Customer access part.	Pass
2	Name	Tasnima			
3	Phone no	01762777362			
4	Age	19			
5	Gender	Female			
6	City	Dhaka			
7	Password	12345			
Post-conditions: If the customer information's are valid then the information will saved in the database otherwise show the invalid fields.					

7.6.2 Test case for Customer Registration (Fail):

TABLE 19 : TEST CASE FOR CUSTOMER REGISTRATION

Test Case ID: TC 01			Module Name: Registration		
Sub Module: Customer Registration			Test Designed by: Tasnima Jaman		
Test Priority (Low/Medium/High): High			Test Designed date: 10.10.2019		
Test Title: Customer Registration with valid information			Test Executed by: Tasnima Jaman		
Description: Test the system's on registration page			Test Execution date: 11.10.2019		
Pre-conditions: The Customer navigate to registration page and input the required information filled. And click on the Register button.					
Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to Registration Page	Click on Registration	Customer be registered successfully	redirect to home page with Customer access part.	Fail
2	Name	Tasnima			
3	Phone no	01762777362			
4	Age	19			
5	Gender	Female			
6	City	Dhaka			
7	Password	12345			
Post-conditions: If the customer information's are valid then the information will saved in the database otherwise show the invalid fields.					

7.6.3 Test Case for Log in:

TABLE 20 : TEST CASE FOR LOG IN

Test Case ID: TC 04			Module Name: Login		
Sub Module: Customer Login			Test Designed by: Tasnima Jaman		
Test Priority (Low/Medium/High): High			Test Designed date: 10.10.2019		
Test Title: Student Login with valid user_name.			Test Executed by: Tasnima Jaman		
Description: Test the system's Login page			Test Execution date: 11.10.2019		
Pre-conditions: The user has valid user_name and password.The current user_name is Tasnima and password 12345.The system navigates to Login page. And click on the Login button.					
Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to Login Page	Click on Login	Customer should be able to login successfully.	Home Page successfully.	Pass
2	Input User_name and it must be Unique	Tasnima			
3	Input Password	12345			
4	Click on Signup				
Post-conditions: Customer is validated with database and successfully login. The session details are logged in database.					

7.6.4 Test Case for Log in failed:

TABLE 21 : TEST CASE FOR LOG IN FAILED

Test Case ID: TC 05			Module Name: Login		
Sub Module: Customer Login			Test Designed by: Tasnima Jaman		
Test Priority (Low/Medium/High): High			Test Designed date: 10.10.2019		
Test Title: Student Login with valid user_name.			Test Executed by: Tasnima Jaman		
Description: Test the system's Login page			Test Execution date: 11.10.2019		
Pre-conditions: The user has valid user_name and password.The current user_name is Tasnima and password 12345.The system navigates to Login page. And click on the Login button.					
Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to Login Page	Click on Login	Customer should be able to login successfully.	Home Page successfully.	Failed
2	Input User_name and it must be Unique	Tasnima			
3	Input Password	12345			
4	Click on Signup				
Post-conditions: Customer is validated with database and successfully login. The session details are logged in database.					

7.6.5 Test Case for Show Loan info:

TABLE 22 : TEST CASE FOR SHOW LOAN INFO

Test Case ID: TC 06			Module Name: Loan info		
Sub Module: Show loan info			Test Designed by: Tasnima Jaman		
Test Priority (Low/Medium/High): High			Test Designed date: 10.10.2019		
Test Title: Student Login with valid user_name.			Test Executed by: Tasnima Jaman		
Description: Test the system's Login page			Test Execution date: 11.10.2019		
Pre-conditions: The user has valid user_name and password.The current user_name is Tasnima and password 12345. Fill the all information.The system navigates to registered information.					
Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to Register loan info	Click loan info	Customer should be able to login successfully.	Home Page successfully.	Pass
2	Input information and it must be filled	Name:Tasnima,Phone no:01762777362,amount:50000tk,profession:student			
3	Input Password	12345			
4	Click on Signup				
Post-conditions: The information validated and stored in database and successfully registered.					

7.6.6 Test Case for Show Loan info (failed):

TABLE 23 : TEST CASE FOR SHOW LOAN INFO (FAILED)

Test Case ID: TC 07			Module Name: Loan info		
Sub Module: Show loan info			Test Designed by: Tasnima Jaman		
Test Priority (Low/Medium/High): High			Test Designed date: 10.10.2019		
Test Title: Student Login with valid username.			Test Executed by: Tasnima Jaman		
Description: Test the system's Login page			Test Execution date: 11.10.2019		
Pre-conditions: The user has valid username and password. The current username is Tasnima and password 12345. Fill the all information. The system navigates to registered information.					
Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to Register loan info	Click loan info	Customer should be able to login successfully.	Home Page successfully.	Failed
2	Input information and it must be filled	Name:Tasnima,Phone no:01762777362,amount:50000tk,profession:student			
3	Input Password	12345			
4	Click on Signup				
Post-conditions: The information validated and stored in database and successfully registered.					

7.6.7 Test Report:

Commonly, this is a communication to place clearness to the QA team's actions of the day during the test cycle – covers both fault fact and test case run information.

Total unit of test case sample are 10. Some test cases are succeeding in 1st iteration and some are in second. The succession percent are displayed in following table:

TABLE 24 : TEST REPORT

Number of Unit Test Case	100% Success in first iteration	Less than 100%	Total Succession %
Total : 10	8	3	80%
Total : 10	10	0	100%

8 CONCLUSION

This motive has been starting from June. From the very starting of development of this project, it needs difficult working, enduring, and impportunity to meet the requirements of stakeholders. .After that I mentioned a layout to them through help of my supervisor. I oncoming out to exhibit the challenge. Database plays an essential induction for any application software. That's why I did this first and made a courting with the tables, before that I design the UI. . After completing that, I have started to write the core functionality of the project. . If I did now not check this challenge, there'll stay some bug on this challenge so that you can spoil the whole mission. There are some various serious tasks to fulfill. And that is testing. It is also known as quality assurance also. . So, testing plan is very essential. And after developing the project, I have confirmed the quality of this project.

8.1 Limitations:

- The Customer Can Take Loan (One time maximum 1Lac Taka).
- Minimum payment loan is 250taka.

9 FUTURE IMPROVEMENT

I have prepared a lot throughout the entire development turn of this project. . Well I have worked hard in order to present the website. I am very much thankful to my supervisor of his idea and discussion gave me some opportunities to make my project complete. Due to time and technology concern people suffer because of money, this system helps any kind of people like (farmer, web developer, student, businessman, and driver) can take loan by this system. For that reason, I am going to develop new features also in my NGO loan system.

10 References

For making my project effectual those structures help me a lot.

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