BANKING MANAGEMENT

SYSTEM

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ABSTRACT

The main purpose of our project is to provide additional security while conducting online transactions by providing valid authentication etc. In the existing system, we can perform all operations using a single user id and password. Once this password is stolen, it becomes easier for others to access all the functions such as transfers etc, so that the customer pays the biggest losses. It is therefore not safe to tag. In our project, we offer greater security to customers while using online banking service in the following ways. A customer using an online banking service will be given a user id and two other passwords. One is called Login Password and the other is called transaction password. By using the login password the customer can login to the account and we can perform certain (limited) tasks such as viewing A / C balance and personal information but only to make transactions or transactions online, the user needs to provide a transaction password and other secure details to complete the transaction successfully.

If a customer's login password and id are stolen by someone else, they can see the details but cannot make an online transaction or transfer. In addition to the transaction password the customer needs to be confirmed by providing the grid values available on the credit card that will be requested at random. So there is no chance for a person who steals passwords to make a transaction because he or she also needs to enter the numbers available on the customer's bank card.

The system after careful analysis has been identified to be presented with the following modules:

The modules involved are

1. Management.

2. User

3. Registration

4. Security and Verification

INTRODUCTION:

The " Banking" program is designed to overcome the problems that exist in the bookkeeping orientation system. This software is supported to eliminate and in some cases reduce the complexity of the existing program. In addition the program is tailored to the specific need of the company to perform operations in a smooth and efficient manner. The app is minimized as much as possible to avoid errors while entering data. It also provides an error message while entering invalid data. No official information is required for the user to use this program. So all of this proves to be practical. The Online Banking System, as described above, can lead to the management of a seamless, secure, reliable and fast system. It can help the user to focus on other tasks instead of focusing on keeping records. It will therefore help to streamline the better use of resources.

Every organization, whether large or small, has the challenges of overcoming and managing Bank, Accounts, Transaction, Balance, Internet Banking. Every Online Banking System has different Account requirements, so we create specialized employee management systems that fit your management needs. This is to help you plan strategies, and will help you ensure that your organization has the right level of information and details of your future goals. Also, for those busy managers who are constantly on the move, our systems come with remote access features, which will allow you to manage your employees at any time, at any time. These programs will ultimately allow you to better manage resources.

Existing system with limitations:

In the current system, we can perform all tasks using a single user id password. If this password is stolen it becomes easier for others to access all the functions such as transfers etc. Until now the password will be set by the user and will be reset depending on the user's requirement which can be easily hacked when there is no good security of your postal service so that the customer can pay for significant losses. It is therefore not safe to tag.

Proposed system feature:

In our project, we offer greater security to customers while using online banking service in the following ways.

A customer using an online banking service will be given a user id and two other passwords. One is called Login Password and the other is called transaction password.

By using the login password the customer can login to become an account and we can blow up certain (limited) tasks such as keeping A / C balance and personal details etc.

But to make a transaction or transaction online, you need to provide a transaction password.

If a customer login password and id are stolen by someone else, they can see the details but can still make online transactions or transfers. In addition to the transaction password the customer needs to be verified by providing the grid values available on the credit card to be randomly asked

So there is no chance for a person who steals passwords to make a transaction because he or she also needs to enter the values available on the customer's bank card.

In the proposed system we will be able to give the user the opportunity to make the postal service more secure by creating a random password each time he wants to sign in and encrypting a random password will be sent to the user's post id where he will provide a link to transfer his written password to email.

Acronyms and Abbreviations:

ACC:Account

Pwd:password

Uid:user id

Facc:From Account

Tacc:To Account

SYSTEM REQUIREMENTS

Software Requirements	Hardware Requirements
Operating System: Windows or linux or MAC	Processor: any
User Interface: HTML, CSS	Hard Disk: 10 GB minimum
Programming Language: PHP	RAM: 256MB or more
Database: MYSQL	Any Screen

DFD SYMBOLS:

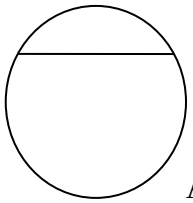
In DFD, there are four symptoms

1. A square defines a source (founder) or area of system data

2. The arrow indicates the flow of data. It is a pipe through which information flows

3. A circle or foam represents a process that converts incoming data flow into outgoing data flow.

4. Rectangular open data store, data at rest or temporary data repository



A Process that changes flow of data.

Source or Destination of data

Data flow

Data Store

CONSTRUCTING A DFD:

Many of the six rules are used to design DFD's:

The process should be named and numbered to make it easier to identify. Each word should represent a process.

2. Direction of flow from top to bottom and from left to right. Data usually flows from source to destination even though it may return to the source. One way to show this is to draw a long flow line back to the source. One way is to repeat the source sign as your destination. Used more than once in DFD it is written in a short diagonal.

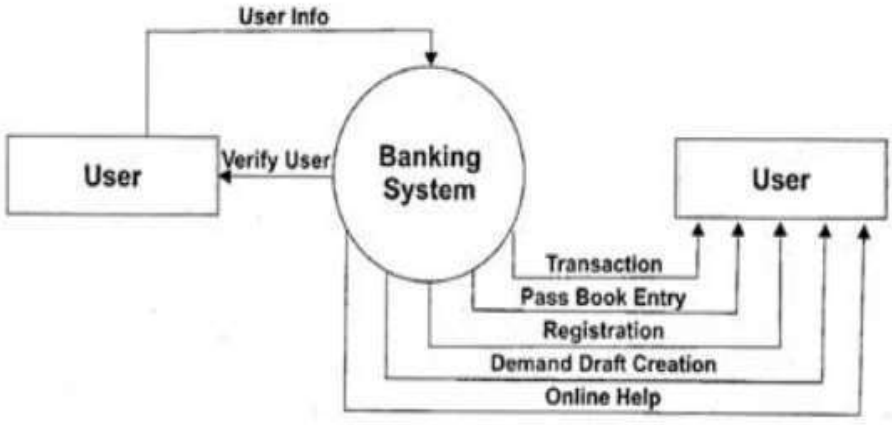
2. When the process explodes into low-level data, they are not counted.

3. The names of the stores and locations are written in capital letters. Process and flow of data are the first letters of each capitalized function

DFDs usually show less content in a data store. Each data store must contain all data items that flow in or out.

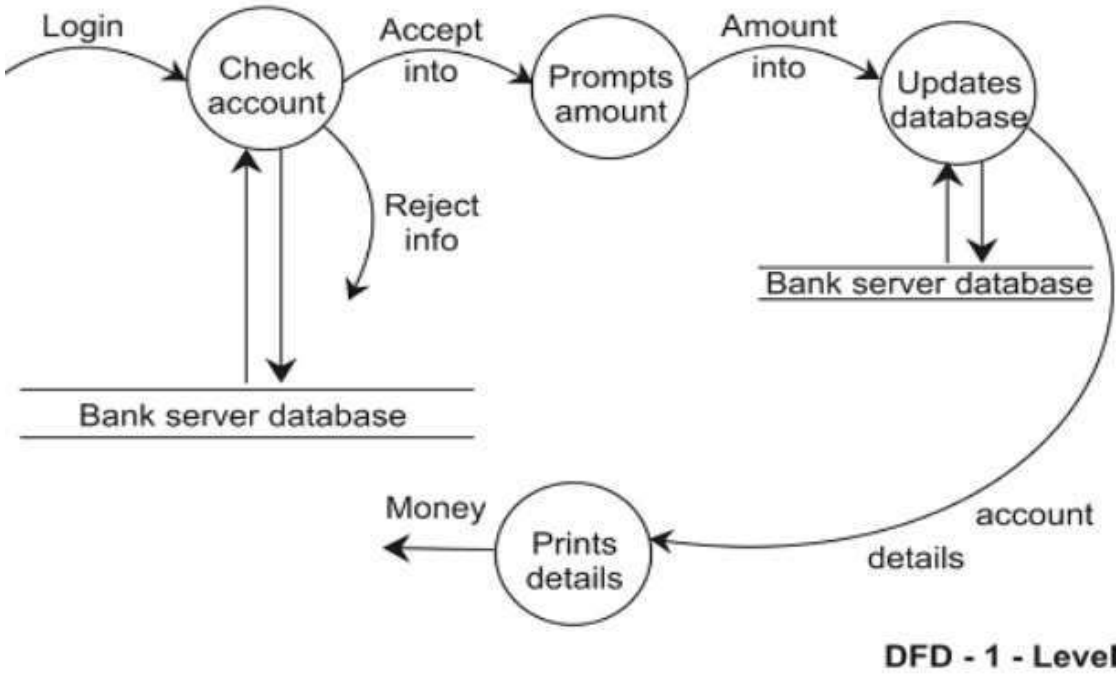
Questionnaires should contain all the data items that flow in and out. Lack of non-existent social media and liking is often calculated through conversations.

ZERO DFD:



Level 0 DFD of a Banking System

DFD-1:



DFD - 1 - Level

USE CASE DIAGRAMS:

The use case describes a sequence of actions that give something of value to the character and is drawn as an ellipse horizontal character, person, organization, or external system that plays a role in one or more sharing of your character.

Its purpose is to describe the Piece of morality. Defines both internal (use case) and external (character)

System behavior. Describes what the system does.

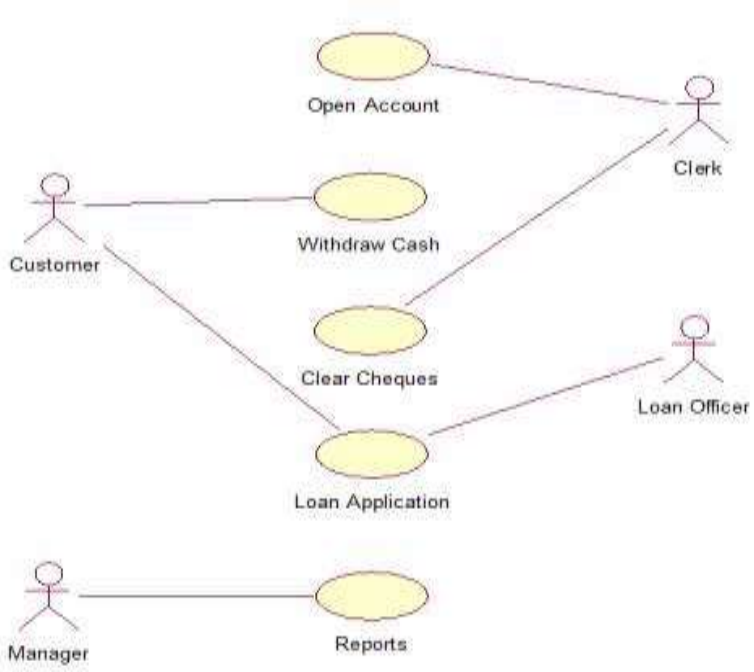
These drawings contain:

• Use cases

• Actors

The case for using action sequence specifications, including different sequences and error sequences, which can be performed by a program, sub-system or category in collaboration with external actors.

A character can be anything that works with a system, a person, a hardware device or another program etc.



DATA DICTIONARIES:

mybank (1)

branch

Column	Type	Null	Default	Links to	Comments	Media type
branchId *(Primary)*	int(11)	No				
branchNo	varchar(111)	No				
branchName	varchar(111)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	branchId	2	A	No	

feedback

Column	Type	Null	Default	Links to	Comments	Media type
feedbackId *(Primary)*	int(11)	No				
message	text	No				
userId	double	No				
date	timestamp	No	current_timestamp()			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	feedbackId	6	A	No	

login

Column	Type	Null	Default	Links to	Comments	Media type
id *(Primary)*	int(11)	No				
email	varchar(111)	No				
password	varchar(111)	No				
type	varchar(111)	No				
date	timestamp	No	current_timestamp()			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	5	A	No	

notice

Column	Type	Null	Default	Links to	Comments	Media type
id *(Primary)*	int(11)	No				
userId	varchar(111)	No				
notice	text	No				
date	timestamp	No	current_timestamp()			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	2	A	No	

otheraccounts

Column	Type	Null	Default	Links to	Comments	Media type
id *(Primary)*	int(11)	No				
accountNo	varchar(111)	No				
bankName	varchar(111)	No				
holderName	varchar(111)	No				
balance	varchar(111)	No				
date	timestamp	No	current_timestamp()			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	3	A	No	

transaction

Column	Type	Null	Default	Links to	Comments	Media type
transactionId *(Primary)*	int(11)	No				
action	varchar(111)	No				
credit	varchar(111)	No				
debit	varchar(111)	No				
balance	varchar(111)	No				
beneId	varchar(111)	No				
other	varchar(111)	No				
userId	int(11)	No				
date	timestamp	No	current_timestamp()			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	transactionId	16	A	No	

useraccounts

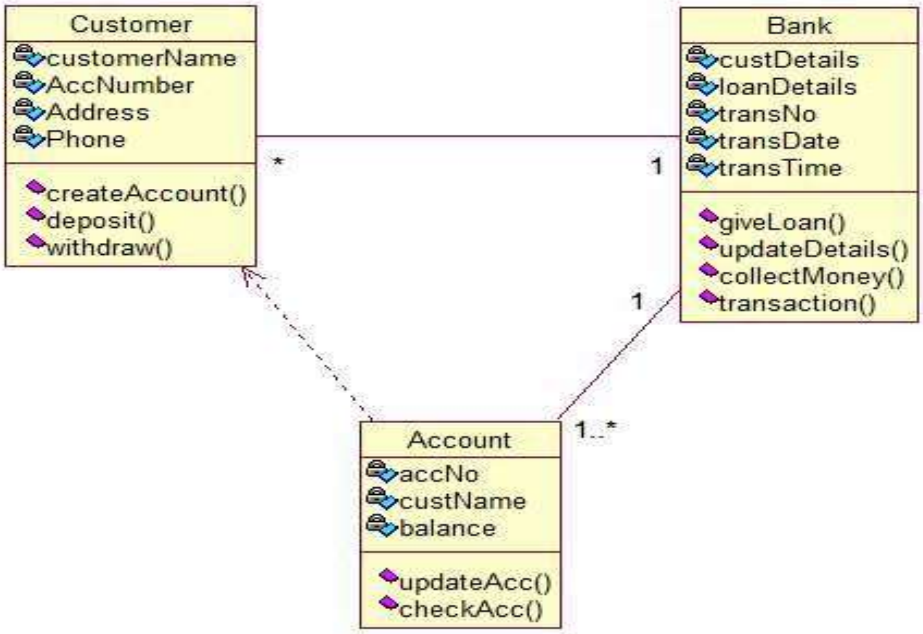
Column	Type	Null	Default	Links to	Comments	Media type
id *(Primary)*	int(11)	No				
email	text	No				
password	text	No				
name	varchar(111)	No				
balance	varchar(111)	No				
cnic	varchar(111)	No				
number	varchar(111)	No				
city	varchar(111)	No				
address	varchar(111)	No				
source	varchar(111)	No				
accountNo	varchar(111)	No				
branch	varchar(111)	No				
accountType	varchar(111)	No				
date	timestamp	No	current_timestamp()			

Indexes

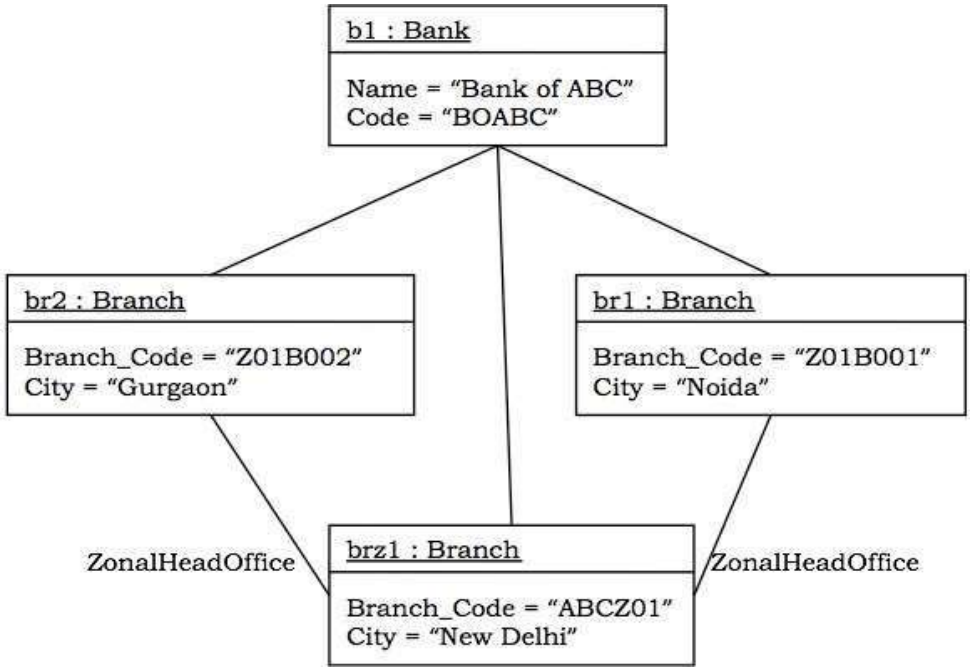
Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	5	A	No	

CLASSDIAGRAMS:

The class diagram describes the vertical structure of the symbols in your new system. It is a clear introduction to the static concept that reflects the collection of descriptive (vertical) model elements, such as classes, genres, and content and relationships. Classes are arranged in sequence sharing structure and common behavior, and are associated with other classes

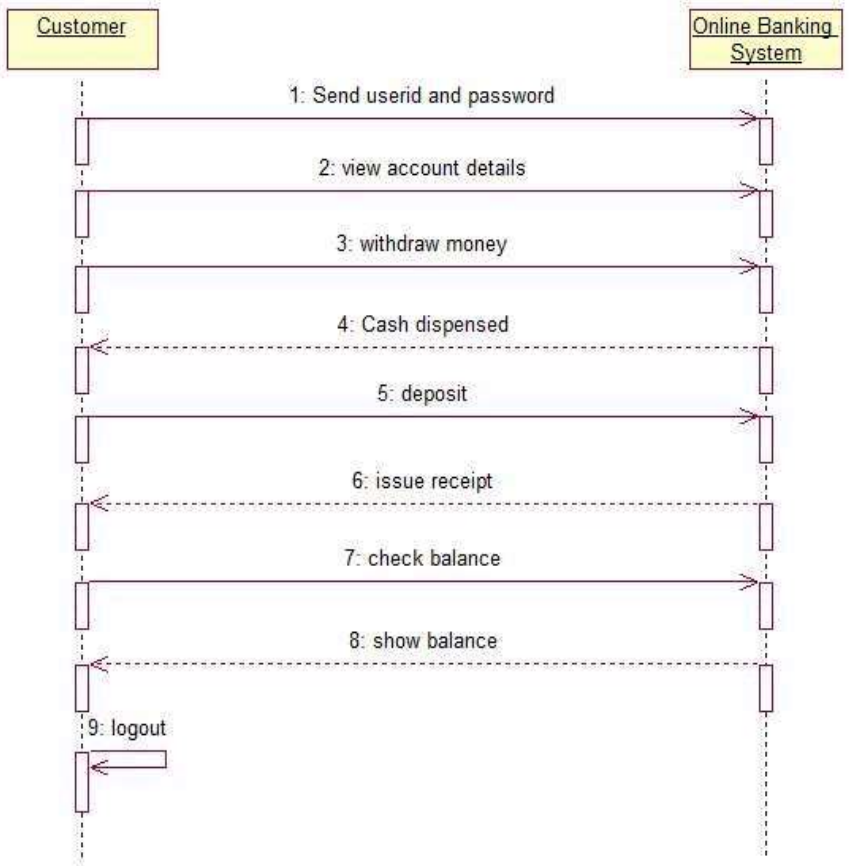


OBJECT DIAGRAM:

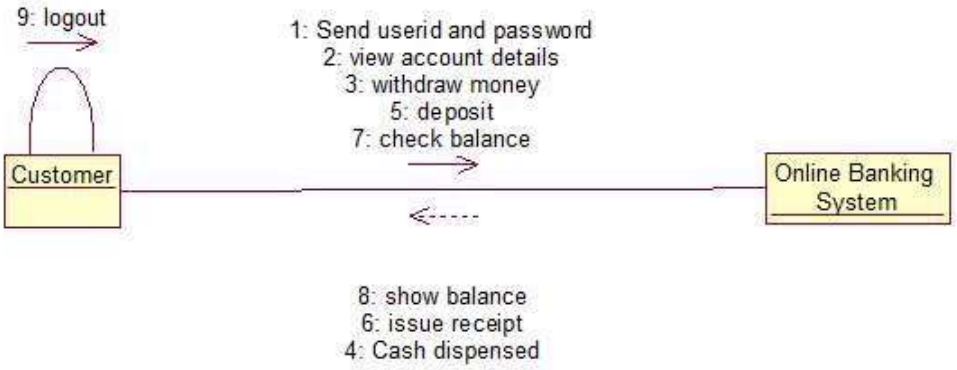


SEQUENCE DIAGRAMS:

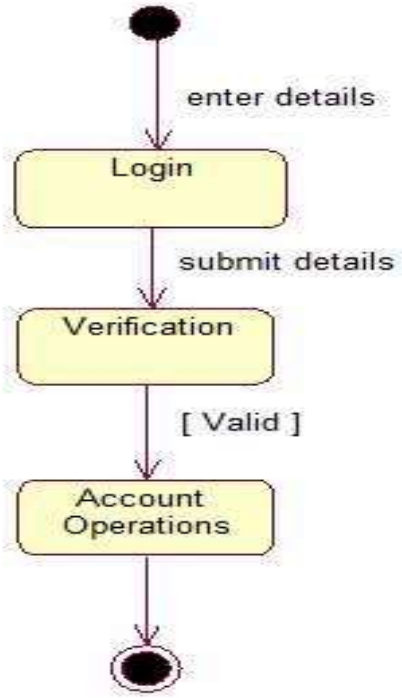
UML sequence diagrams model the flow of ideas within your system in a visual way, allowing you to both write and use your logic, and is often used for analytical and design purposes. Sequential drawings are the most popular UML art objects of dynamic modeling, focused on seeing performance within your program.



Collaboration Diagram

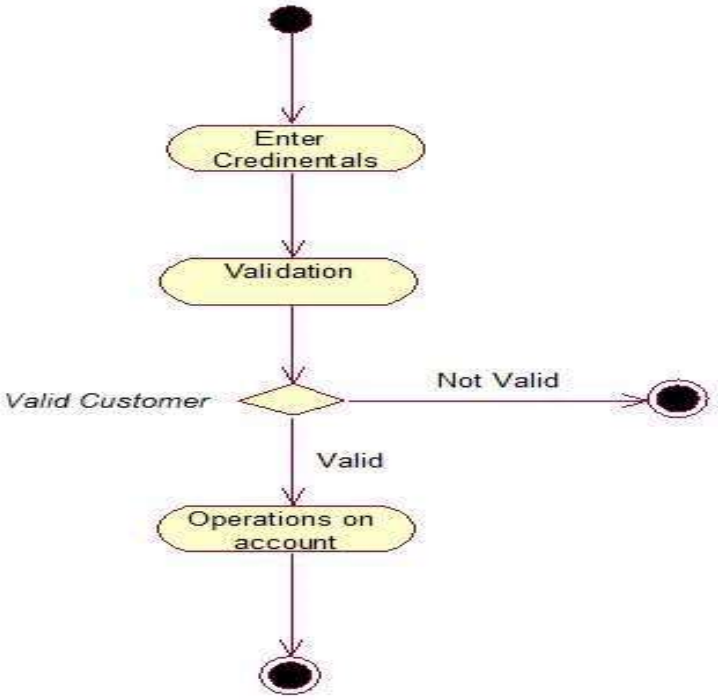


State chart Diagram

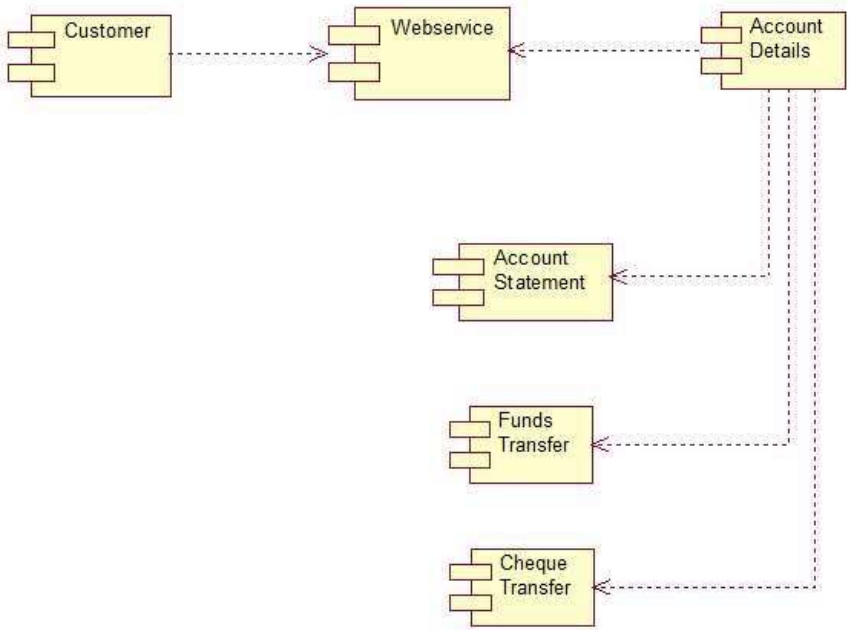


ACTIVITY DIAGRAM:

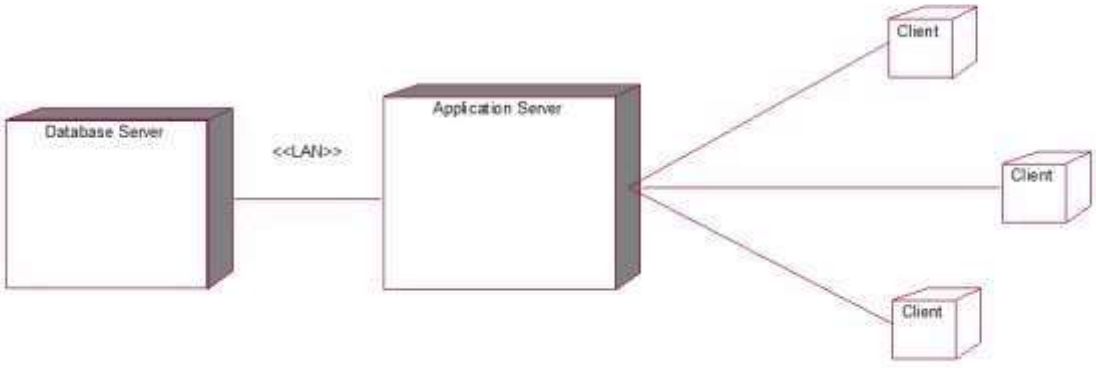
Activity diagrams are used to record the work flow in a system, from the business level down to the operational level. If you look at the job diagram, you will see things from the state diagram, the job diagram is a variation of the state diagram where the "provinces" represent performance, and the change represents the activities that take place when the work is completed. The general purpose of Work Drawings is to focus on the flow of internal processing compared to external events.



Component Diagram



Deployment Diagram



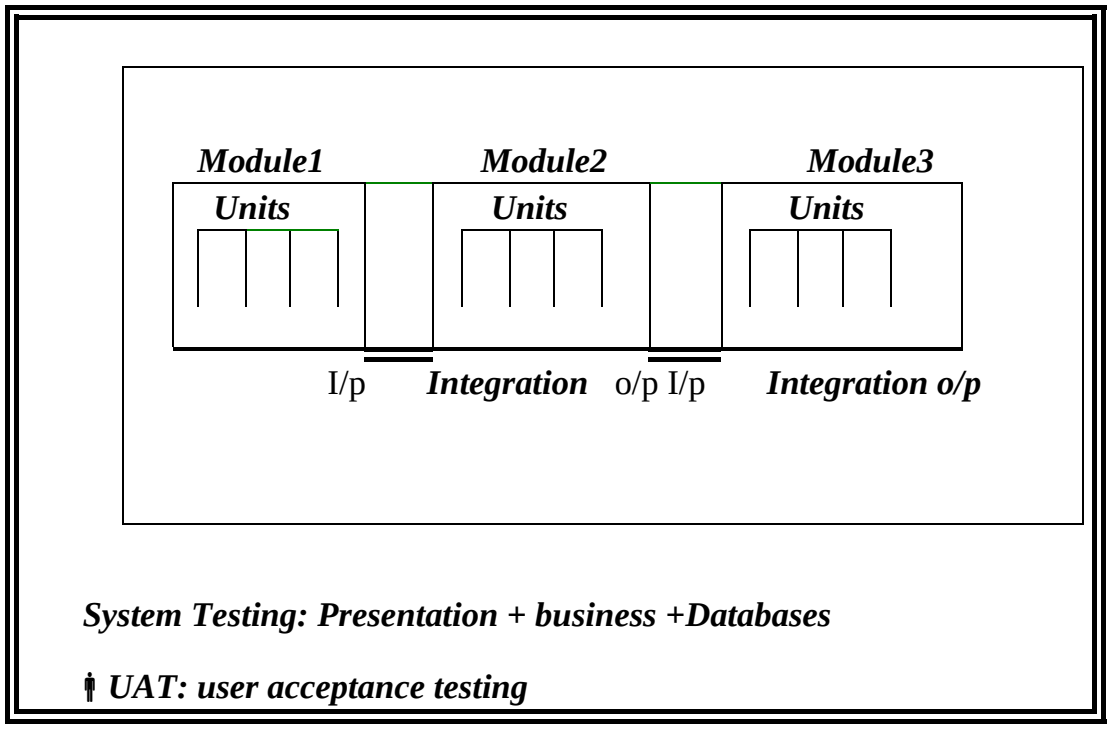
System Testing and Implementation

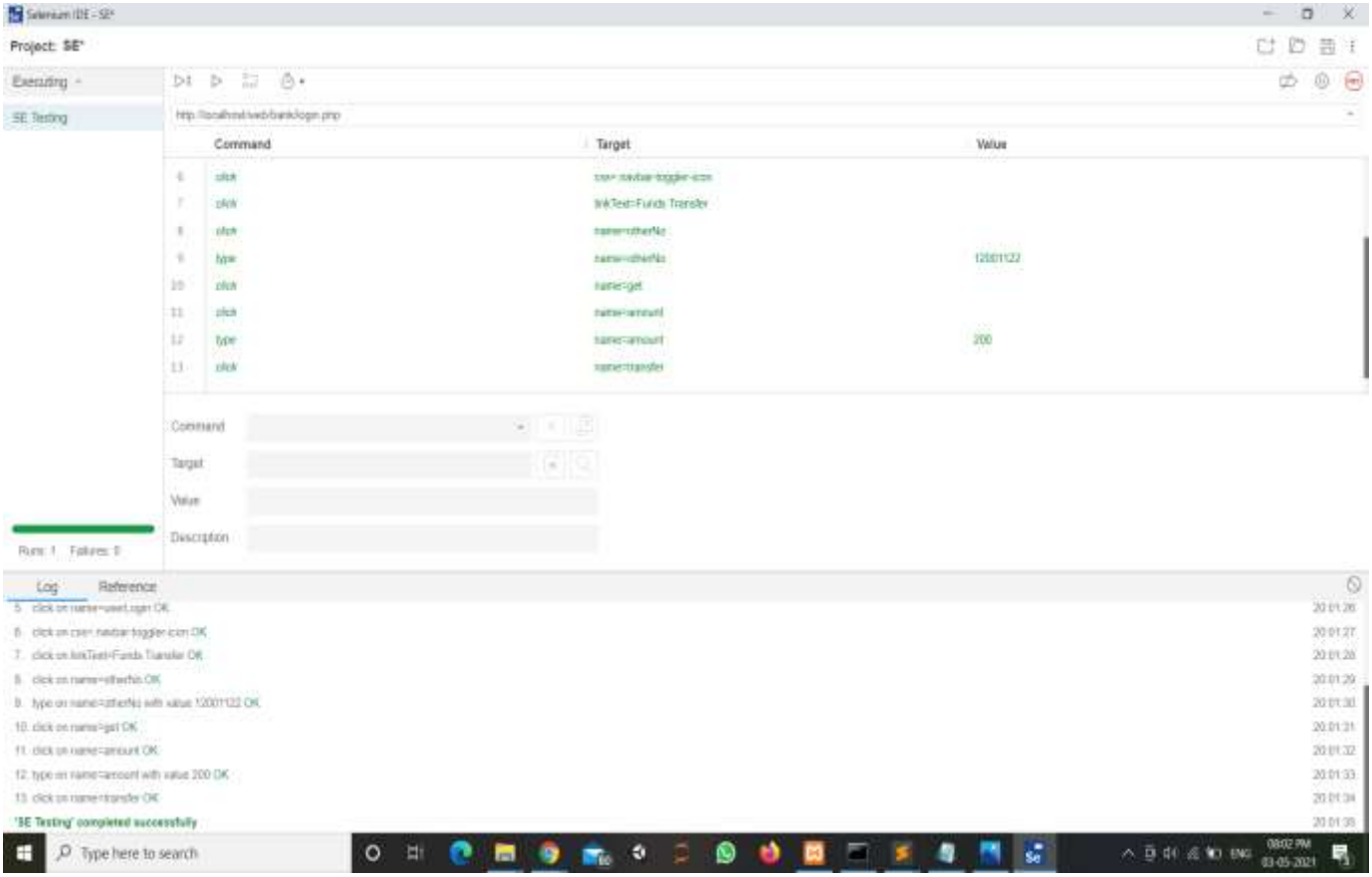
TESTING CONCEPTS:

- **Testing**
  Testing Methodologies
  - Black box Testing:
  - White box Testing.
  - Gray Box Testing.

- **Levels of Testing**
  - Unit Testing.
  - Module Testing.
  - Integration Testing.
  - System Testing.
  - User Acceptance Testing.

Levels of Testing:



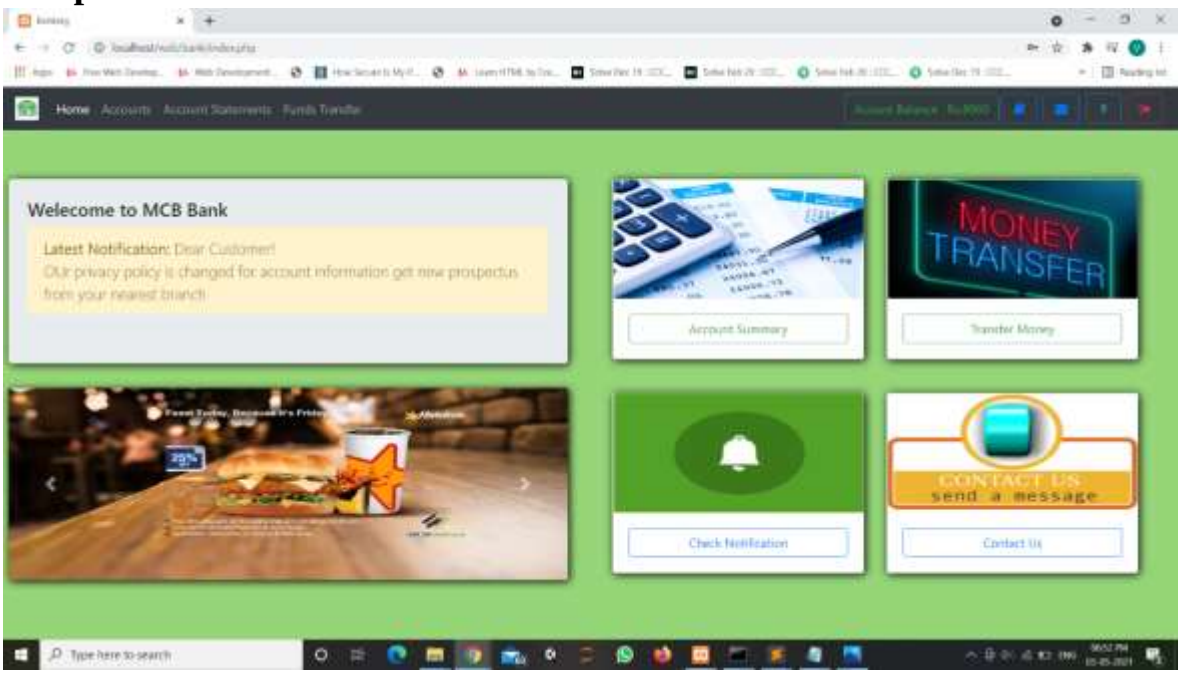


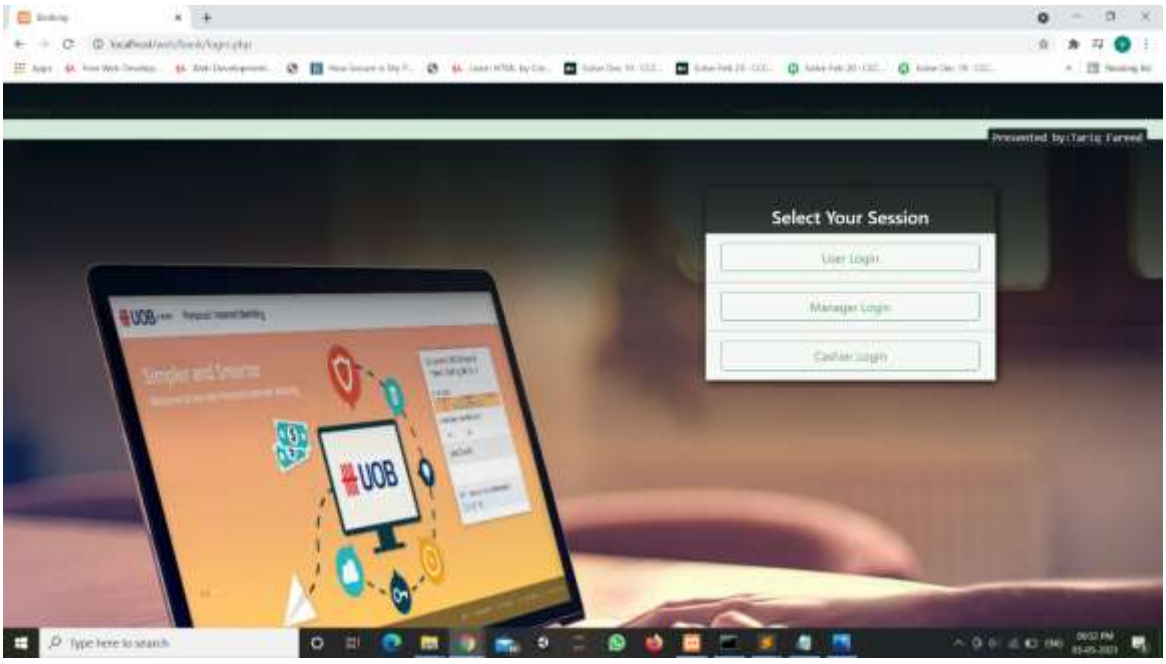
By using selinuim Ide we tested out project.

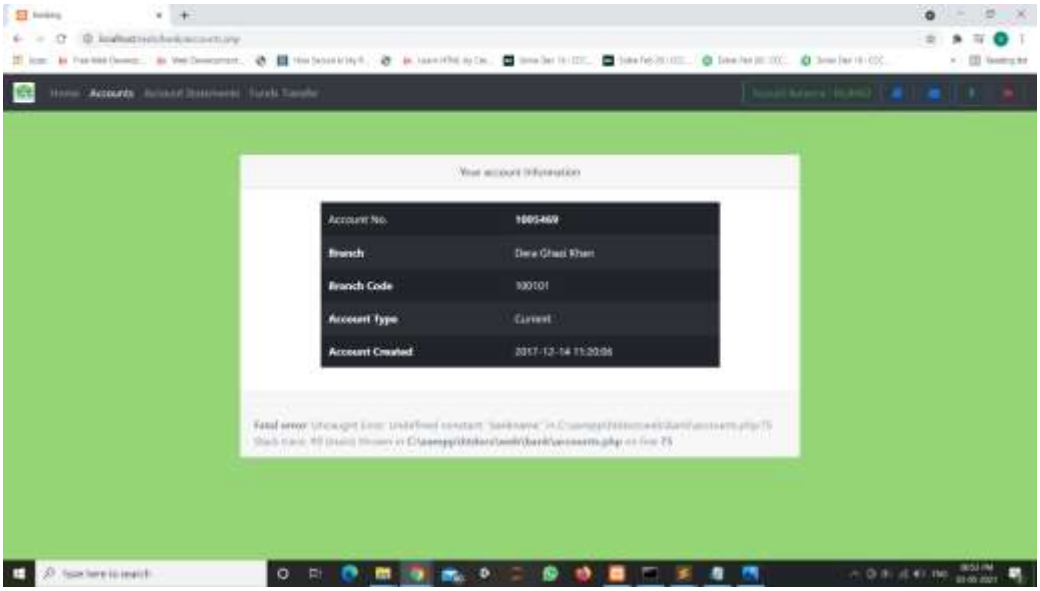
Conclusion:

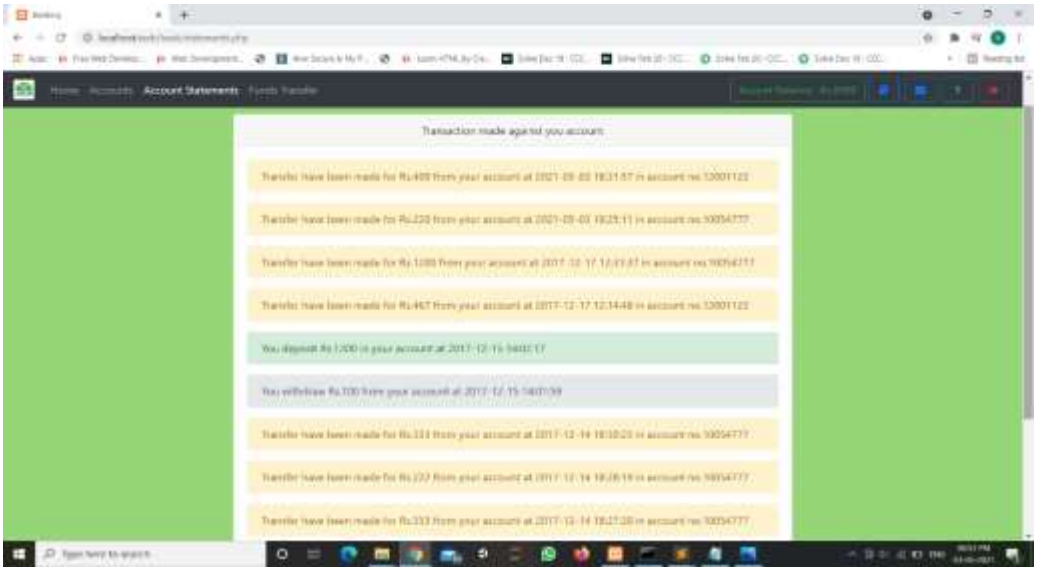
Here we provide security and authentication of online bank account, for the customers, managers and cashiers who are using the online banking service will be provided with a user id and password. By using the login password the customer can login to the account and we can perform certain (limited) tasks such as viewing A / C balance and personal information but only to make transactions or transactions online, the user needs to provide a transaction id to complete the transaction successfully.

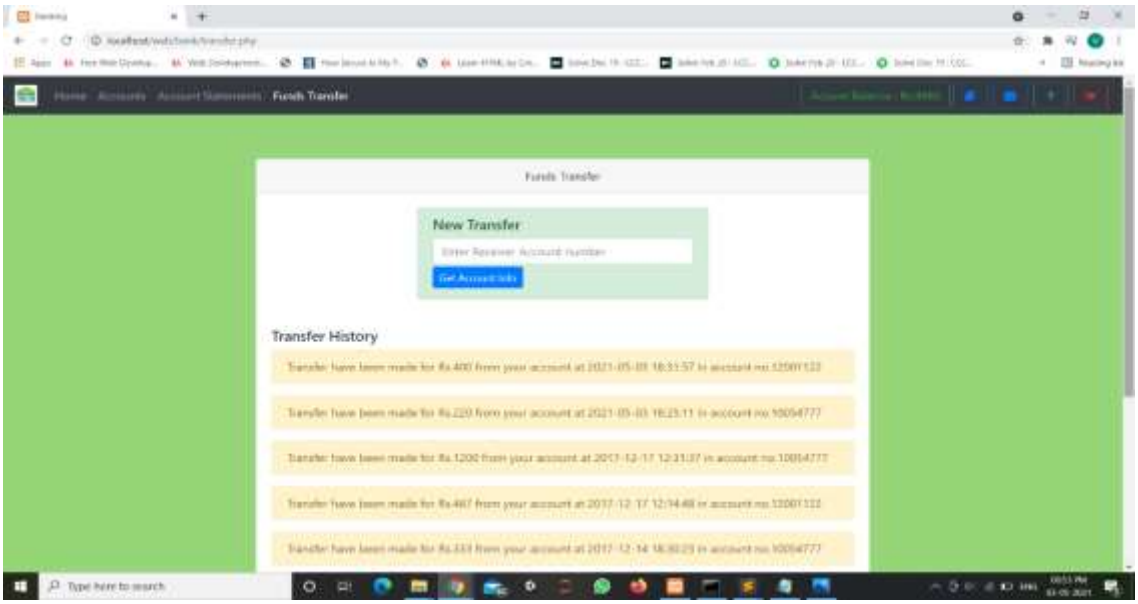
Sample Screenshots

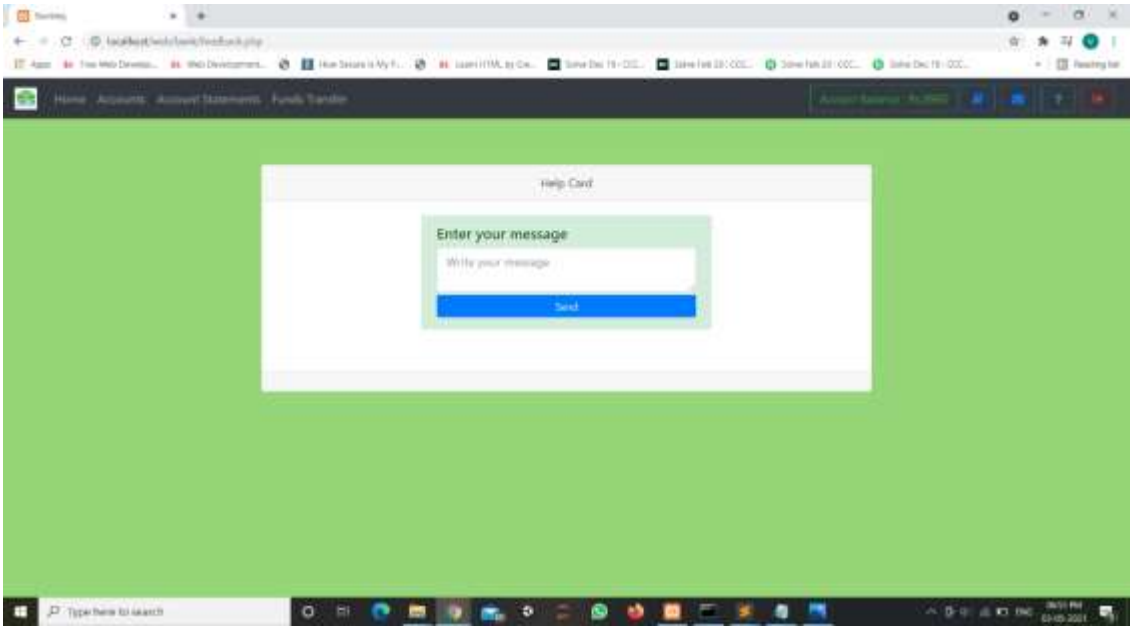


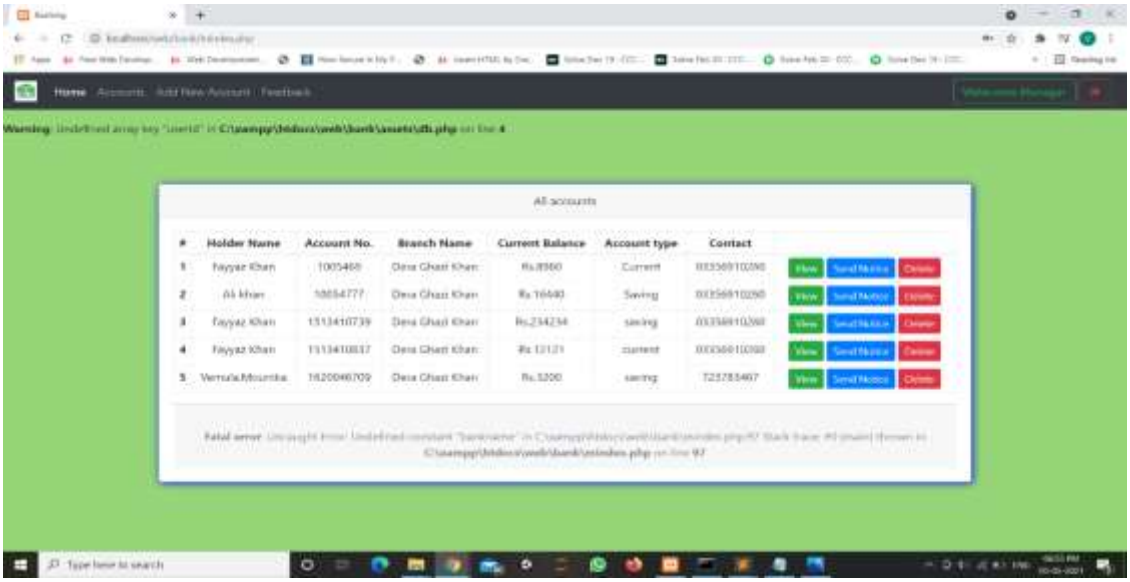


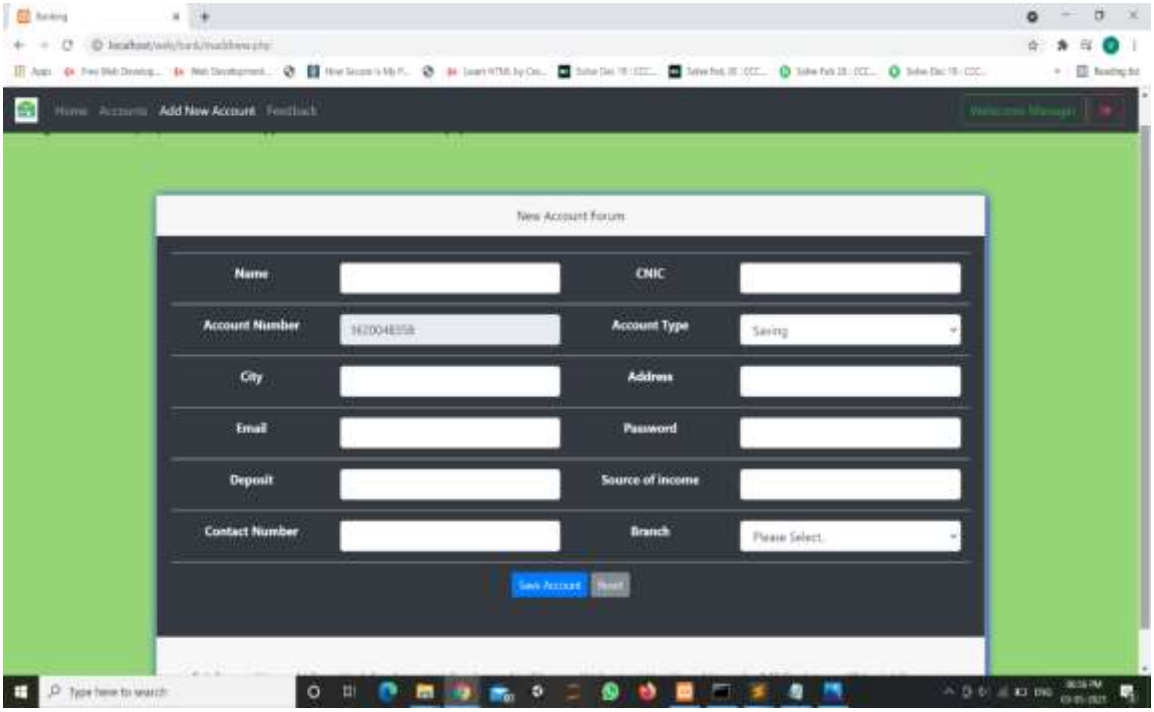

Accounts
Your account Information
Account No. 1005469
Branch Dera Ghazi Khan
Branch Code 100101
Account Type Current
Account Created 2017-12-14 11:20:06

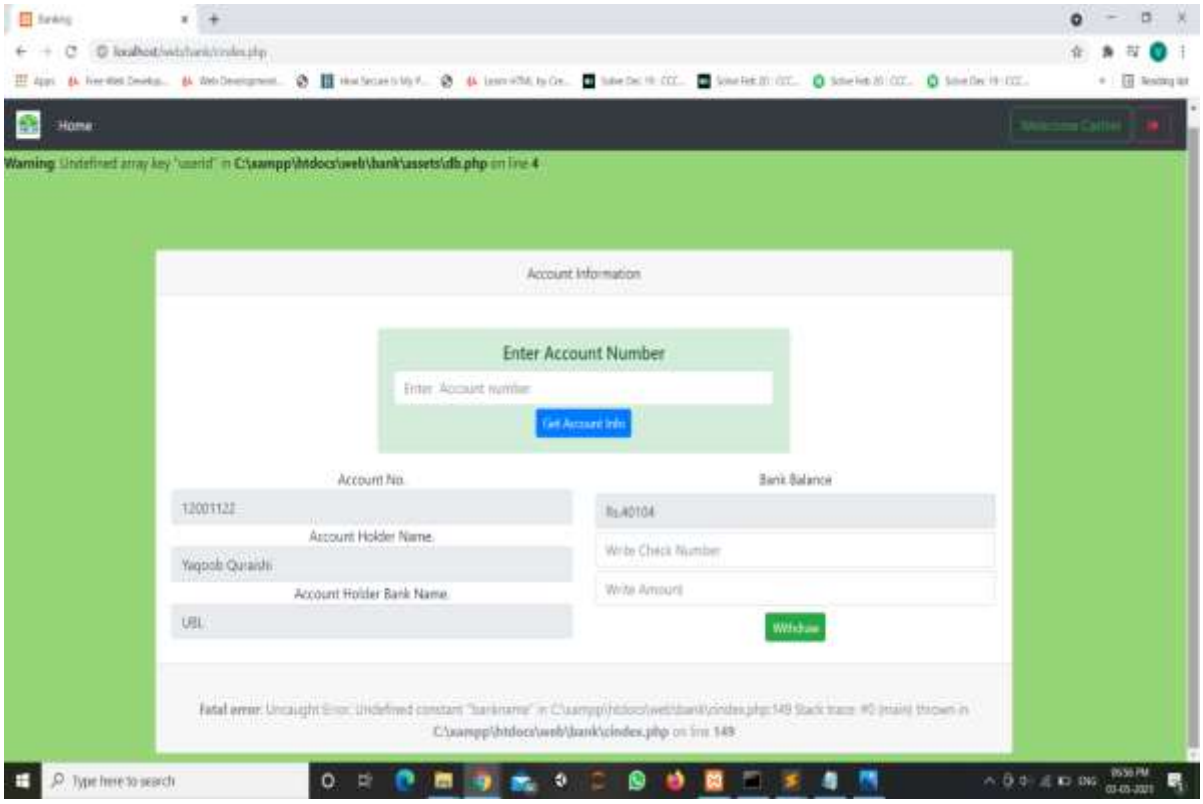

Account Statements
Transaction made against you account


Home
Accounts
Account Statements
Funds Transfer
Funds Transfer
New Transfer
Transfer History


Home
Accounts
Account Statements
Funds Transfer
Help Card
Enter your message
Send


Home
All accounts
Holder Name Account No. Branch Name Current Balance Account type Contact
1 Fayyaz Khan 1005469 Dera Ghazi Khan Rs.8960 Current 03336910260
2 Ali Khan 10654777 Dera Ghazi Khan Rs.16640 Saving 03336910260
3 Fayyaz Khan 1513410739 Dera Ghazi Khan Rs.234234 saving 03336910260
4 Fayyaz Khan 1513410837 Dera Ghazi Khan Rs.12121 current 03336910260
5 Vernula Mounika 1620046709 Dera Ghazi Khan Rs.5200 saving 7257834467
View
Send Notice
Delete


Home
Accounts
Add New Account
Feedback
New Account Form
Name
CNIC
Account Number
1620048358
Account Type
Saving
City
Address
Email
Password
Deposit
Source of income
Contact Number
Branch
Please Select
Save Account
Reset


Home
Warning: Undefined array key "userid" in C:\xampp\htdocs\web\bank\assets\dlb.php on line 4
Account Information
Enter Account Number
Enter Account number
Get Account Info
Account No
12001122
Account Holder Name
Yaqoob Quraishi
Account Holder Bank Name
UBL
Bank Balance
Rs.40104
Write Check Number
Write Amount
Withdraw
Fatal error: Uncaught Error: Undefined constant "bankname" in C:\xampp\htdocs\web\bank\cindex.php:149 Stack trace: #0 {main} thrown in C:\xampp\htdocs\web\bank\cindex.php on line 149
Type here to search

THANK YOU!