

Project Report

On

PayThrUS

Submitted by

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IIIT RK VALLEY – 516 330



DECLARATION

We hereby declare that the report of the B.Tech Mini Project Work entitled with the “**Online Banking System**” which is being submitted to Rajiv Gandhi University of Knowledge Technologies, RK Valley, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in Computer Science and Engineering, is a bonafide report of the work carried out by me. The material contained in this report has not been submitted to any university or institution for award of any degree.

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RGUKT

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RGUKT, RK VALLEY

Department of Computer Science and Engineering

CERTIFICATE FOR PROJECT COMPLETION

This is certify that the project entitled “ **PayThrUS** ” submitted by the **G Abdul Kareem(R171144), S.SURENDRA (R170931), K.SREEKANTH (R170791)** under our guidance and supervision for the partial fulfillment for the degree Bachelor of Technology in Computer Science and Engineering during the academic year 2021-2022 at RGUKT, RK VALLEY. To the best of my knowledge, the results embodied in this dissertation work have not been submitted to any University or Institute for the award of any degree or diploma.

Project Internal Guide

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RGUKT, RK Valley.

Acknowledgement

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Index

1. Abstract	
2. Introduction.....	
2.1 Purpose.....	
2.2 Intended Audience.....	
2.3 product Vision	
2.4 Existing System & Proposed System.....	
2.5 Requirement Specification.....	
3.Technologies used.....	
4.Use Case Diagrams.....	
5.ER-Diagram.....	
6. Outputs.....	
7.Conclusion.....	
8.Future Enhancement.....	
9.References.....	

Abstract

PayThrUS is a online banking system where users can able to access most of the services provided by the bank by accessing the website at any place.

Unlike traditional banking system i.e., by visiting the bank physically to access the services provided by the bank, this website can provides all the services provided by the bank portably without going anywhere.

The designed application can have both the user view and the manager view.

The Manager view contains all the actions that can be performed by the manager in the bank like deposit, debit, transfer, monitor transactions, maintaining user accounts, etc.

The User view contains all the actions that user can able to perform like transferring money, checking account balance, checking transactions, etc.

INTRODUCTION:

- The main objective of this project is to provide easy transactions at anytime and anywhere by the authorized account holders of the Bank in a secure and easy way.
- Now-a-days the world is moving towards the digital life and everyone is busy in their works and not having enough time to visit the bank for basic facilities that bank provides like depositing money, withdraw of money and transferring money to some other account. PayThrUS provides these facilities without vising the bank physically. This helps the people to save their time for basic facilities of the bank especially.
- An Online banking system is virtual bank where users can check the account balance ,transfer money to some other account and check the transactions happened in a period of time.
- This project is mainly divided into two main categories: The Manager and the Customers/Users.
- The Manager who is responsible for the bank will manage all the customers of the

bank, the transactions that are happening through the bank, creating new accounts in the bank, removing the unwanted accounts and also the customers needs.

➤ The customer can login into the website by providing the required credentials and after entering into the user's page then customer will performs the allowed services like checking the balance, checking the transactions, transfer money to some other account and editing the allowed profile details.

Purpose:-

The purpose of the PayThrUS website is to provide the basic services provided by the bank to its customers. The primary goal of PayThrUS is to easily accessible by anyone and they can satisfy with the security and services that are provided by this website. Functions of PayThrUS includes the deposit, withdraw, transfer of the money, editing the customer details, checking transactions and checking the bank balance of any account over the internet

Intended Audience:-

- 1) Manager
- 2) Customers

Product Vision:-

The main Vision of this project is to make to change the old style of the banking into the currently running bank system.

Existing System:-

In the existing System every one follows the old fashion that all can go to the bank and perform the services in physically In the shops. This is time taking Process and the it is very hard to perform services in case of big crowd.

Proposed System:-

In the Proposed System we can make use of the services using the our website. We can access the services by this website at any place by simply entering into the website. This will reduce the time and the money for the customers instead of going to banks physically and waiting in the queue to access the basic services.

Requirement Specification

Hardware Configuration:-

Client side:

Ram	:	512 Mb
Hard disk	:	10GB
Processor	:	1.0 GHz

Server Side:

Ram	:	1GB
Hard disk	:	20GB
Processor	:	2.0 GHz

Software Requirements:-

Front end - HTML , CSS, Javascript.

Server side language - PHP.

Database Server – My Sql.

Web Browser – Microsoft Edge, Chrome .

OS - Ubuntu , Windows.

Technologies and Tools Used:-

- FRONTEND : HTML , CSS ,Java script
- BACKEND : PHP
- DATABASE : MYSQL.
- ENVIRONMENT: Visual Studio Code.
- DEPLOYMENT: XAMPP Server.

HTML:-

means Hypertext Markup Language. This language is used in creating web pages.

This language also supports other languages such CSS, PHP,

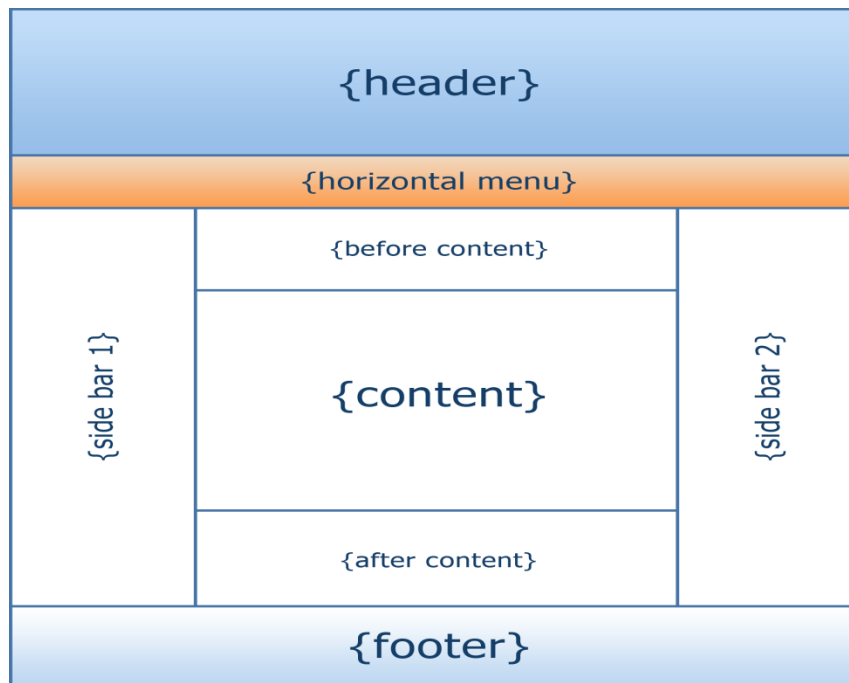
JAVASCRIPT, etc. in creating interactive and responsive pages on the pages.

HTML5 is just an updated version of the HTML. It supports new features, new attributes, new HTML elements, full CSS3 support, video and audio, 2D/3D graphics that help users and also help web developers to create new features easily on the website

CSS:-

CSS is simply referred to as Cascading Style Sheets. CSS is used to define styles for web pages, including the design, layout, and variations in the display for different devices and screen sizes.

The general structure of CSS Basic syntax:



selector{property: value}

CSS can be used in a separate style sheet or used in the webpage

JavaScript:-

Javascript is a high-level language which could be used independently or inculcated into the webpage. It can be used to, handle requests and responses and also add dynamic behavior and also store information on a website.

Syntax:

```
<script ="javascript" type=" text/javascript" >
```

JavaScript code

```
</script>
```

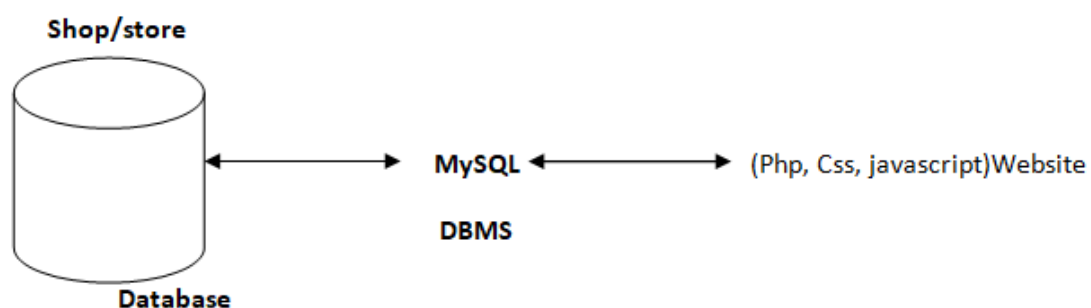
MySQL:-

MySQL is a free source database system, and it enables the cost-effective delivery of reliable and a high-performance and scalable Web-based and

embedded database applications. It is a relational database system(RDBMS). It is a high performing program and scalable to meet the demands of users and data. MySQL is written in C and C++, so it is compatible with most of the operating systems available around the world.

PHP:-

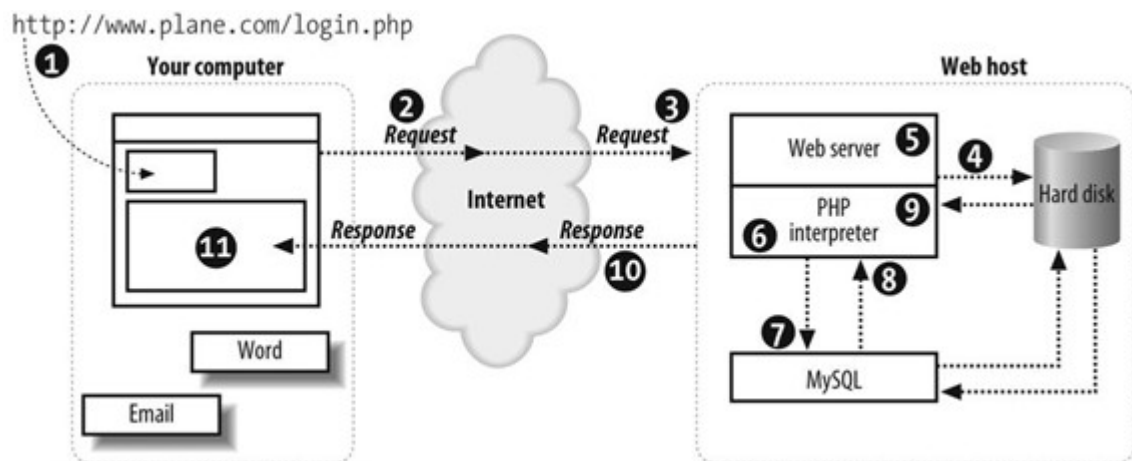
PHP is a server-side scripting language that is used to develop Static websites or Dynamic websites or Web applications. It is designed for web development to implement dynamic web pages and can be embedded into HTML for it to be displayed.



The below Figure demonstrates how the web server operate

XAMPP Server:

XAMPP is an integrated development surrounding, which incorporates Apache HTTP Server, MySQL Database, and PHP, Mercury, PERL or Python on a home Windows based computer. Apache is a free web server. MySQL is an open source database. XAMPP is used in collaboration with, PHP, MySQL and, Windows 8 operating system.



PHP Myadmin:

PhpMyAdmin is a free and open source MySQL management program application written in PHP and was first launched in 1998 under the GNU preferred Public License. It is cross-platform help for the essential working structures and helps management of more than one servers. It supports most MySQL capabilities and has an intuitive net interface. It additionally has supports developing PDF graphics of data base layout, importing information from CSV and SQL formats as well as exporting records to various codecs such as SQL, XML, PDF and, CSV

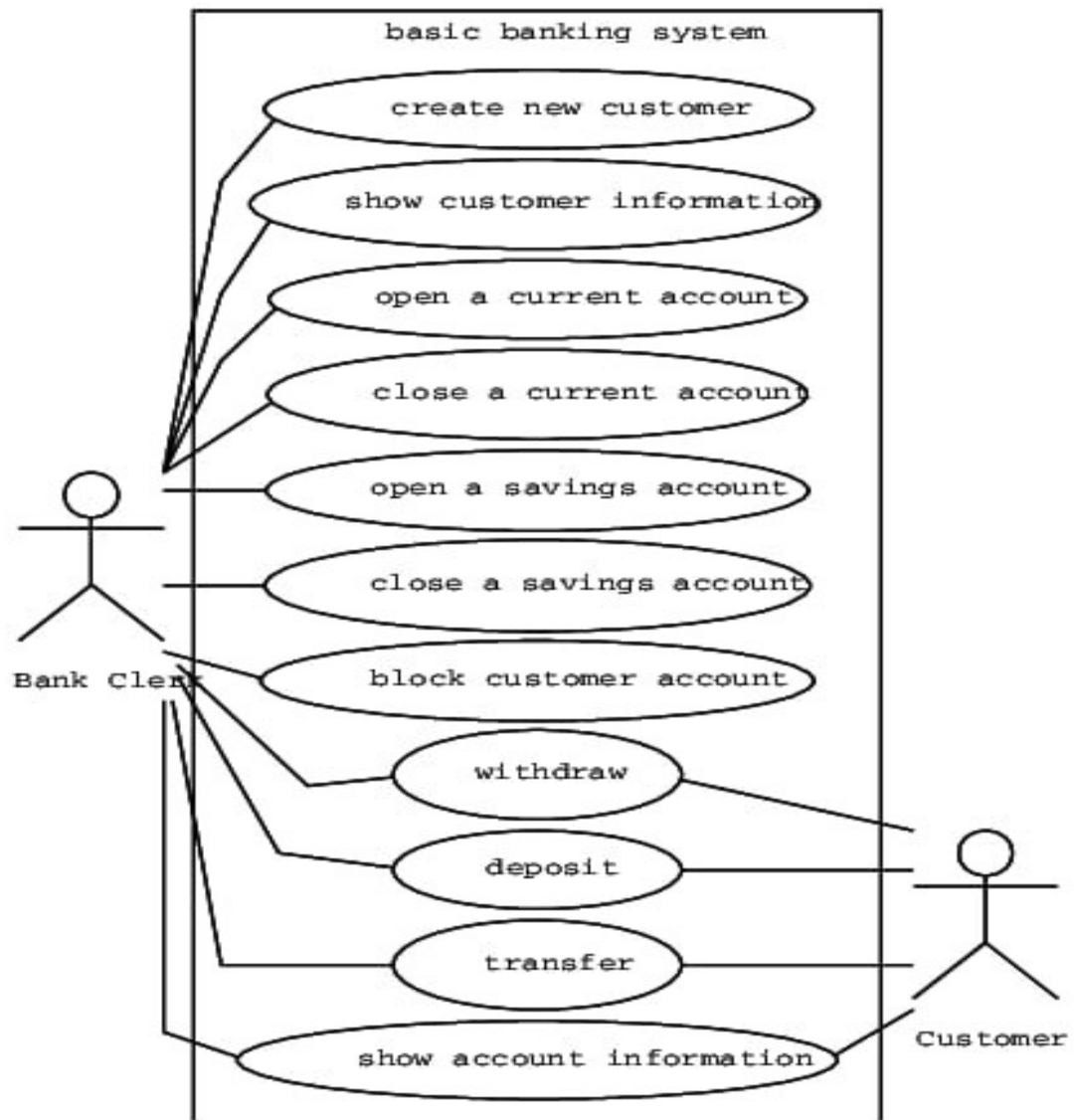
Design:

Use Case Diagrams:-

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor. Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do. Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

- o The purpose is to show the interactions between the use case and actor.
- o To represent the system requirements from user's perspective.
- o An actor could be the end-user of the system or an external system.

Use case Diagram:-



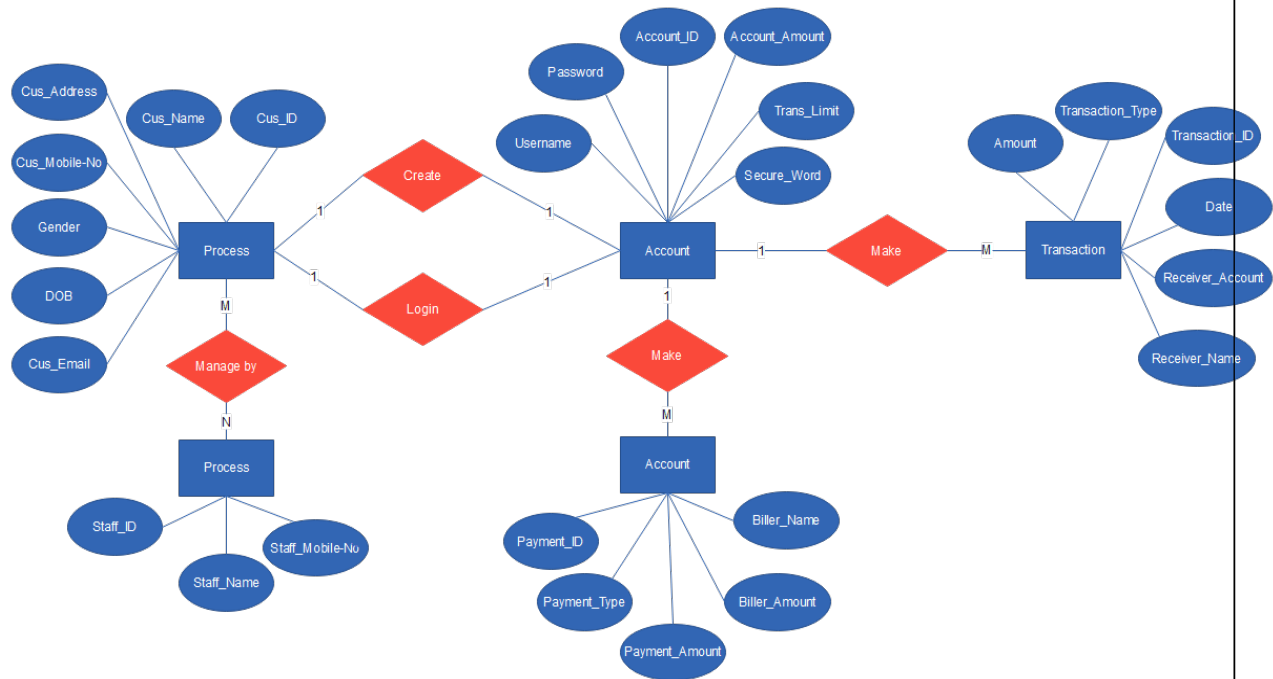
ER-Diagrams:-

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

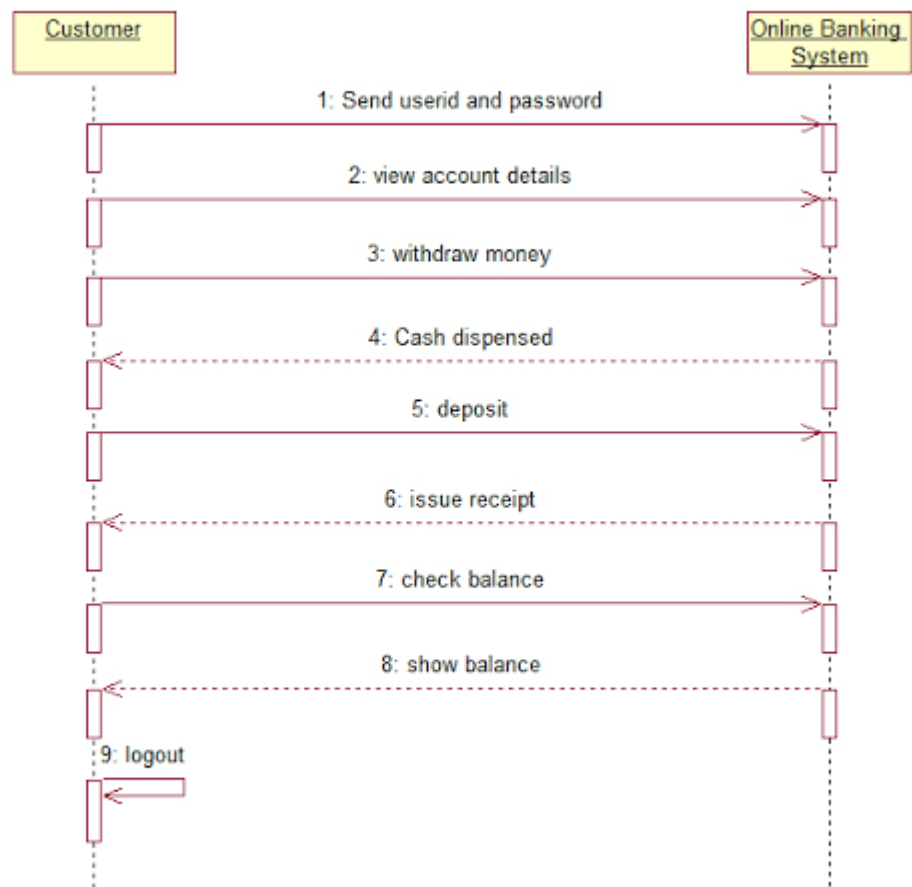
- ❖ It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- ❖ It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- ❖ In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

E-R Diagram:-

Online Banking System ERD

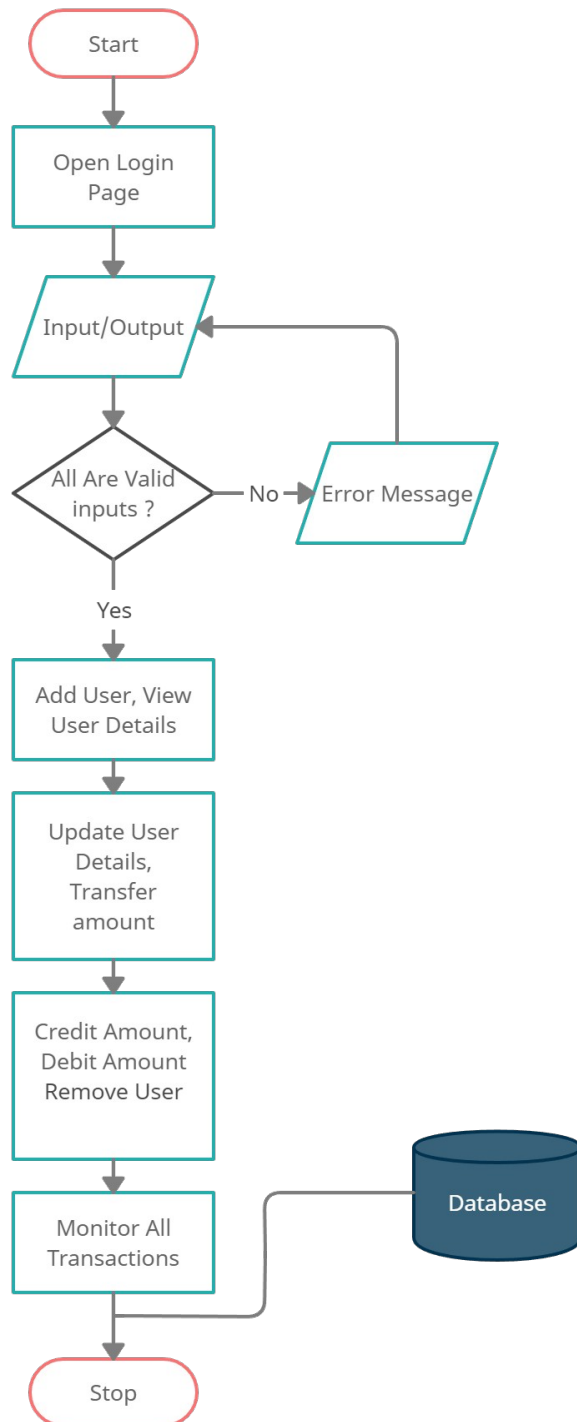


Sequence Diagram:-

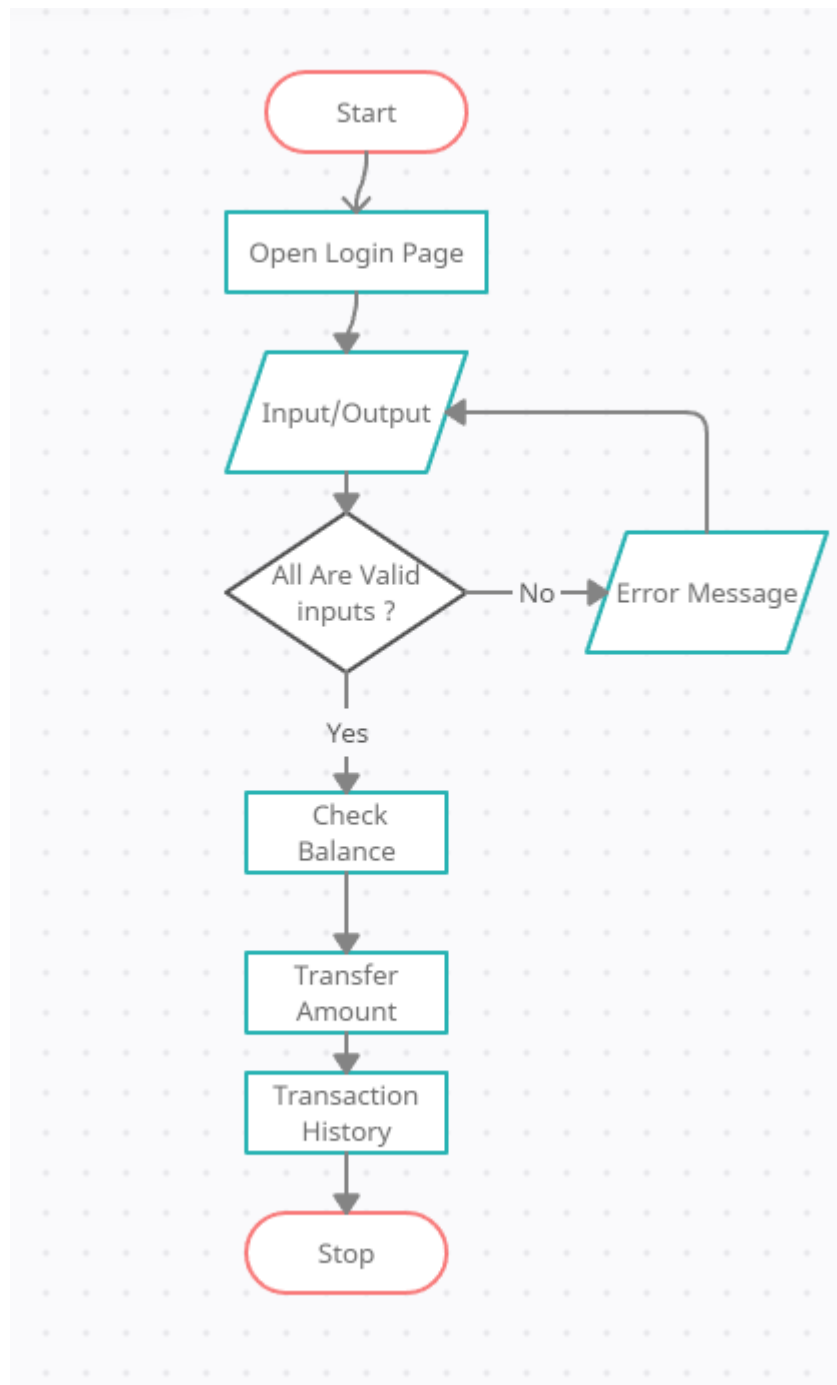


Activity Diagram:-

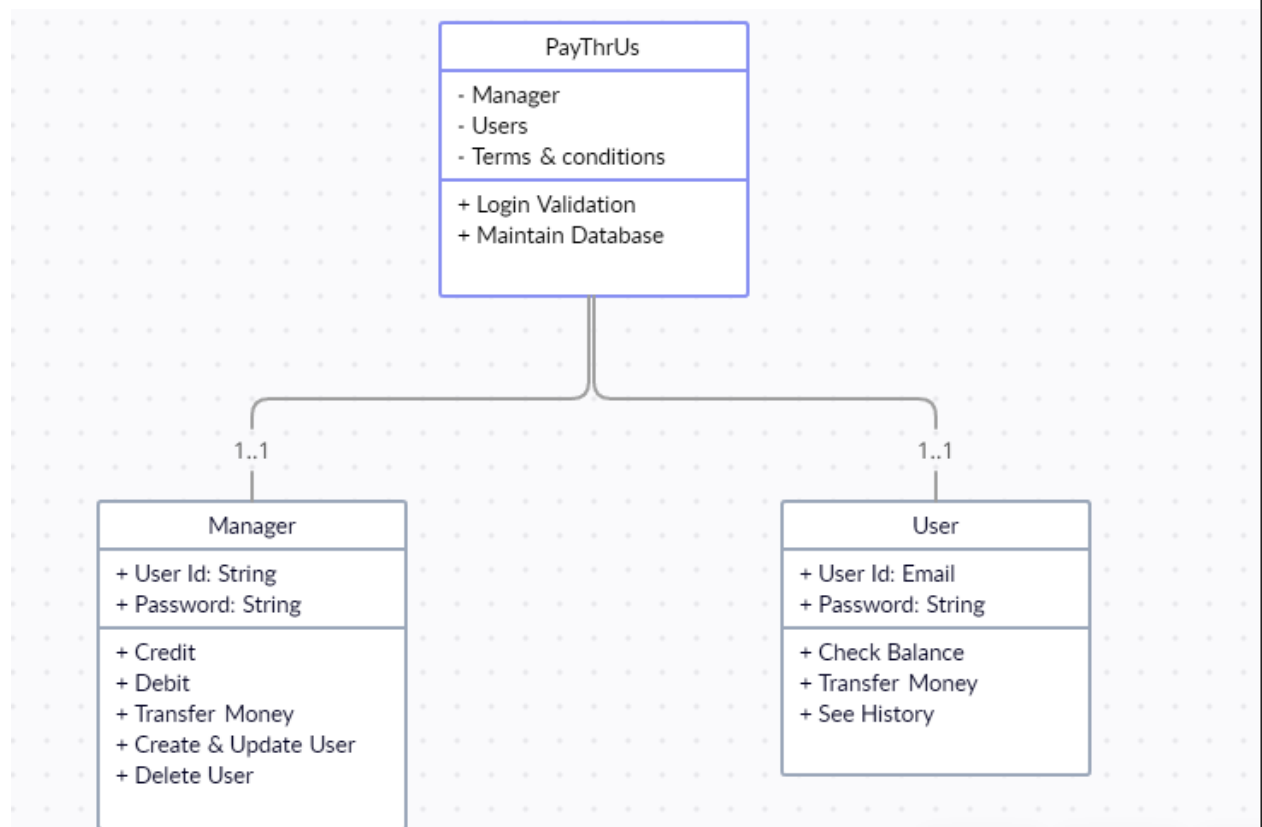
Manager:-



Customer:-

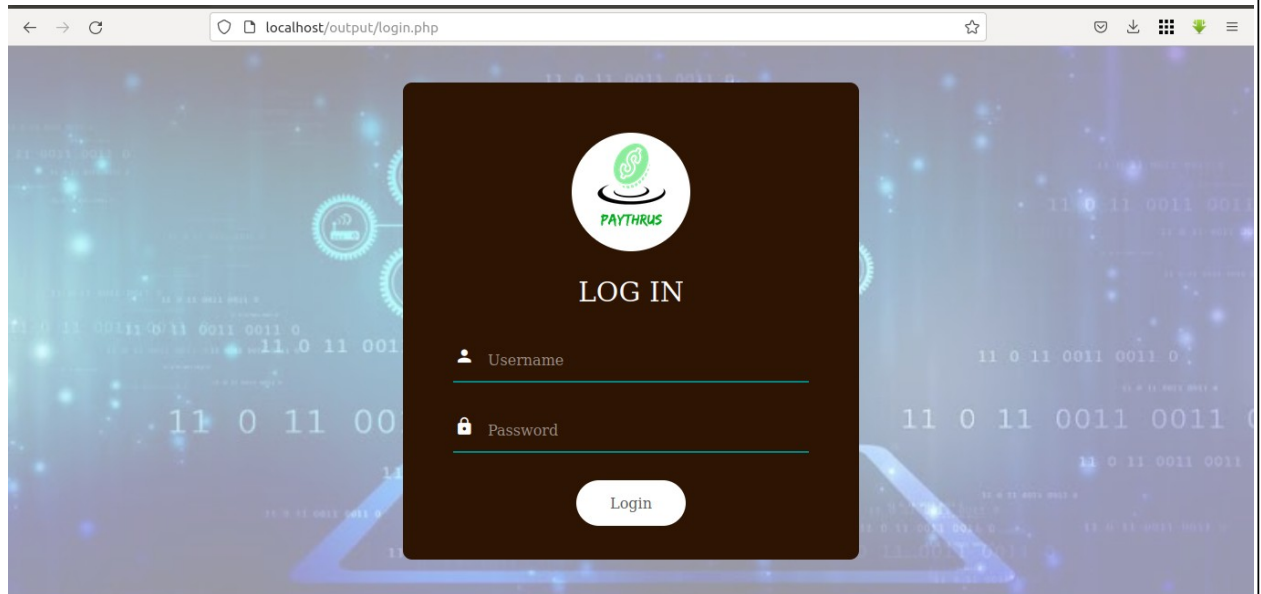


Class Diagram:-

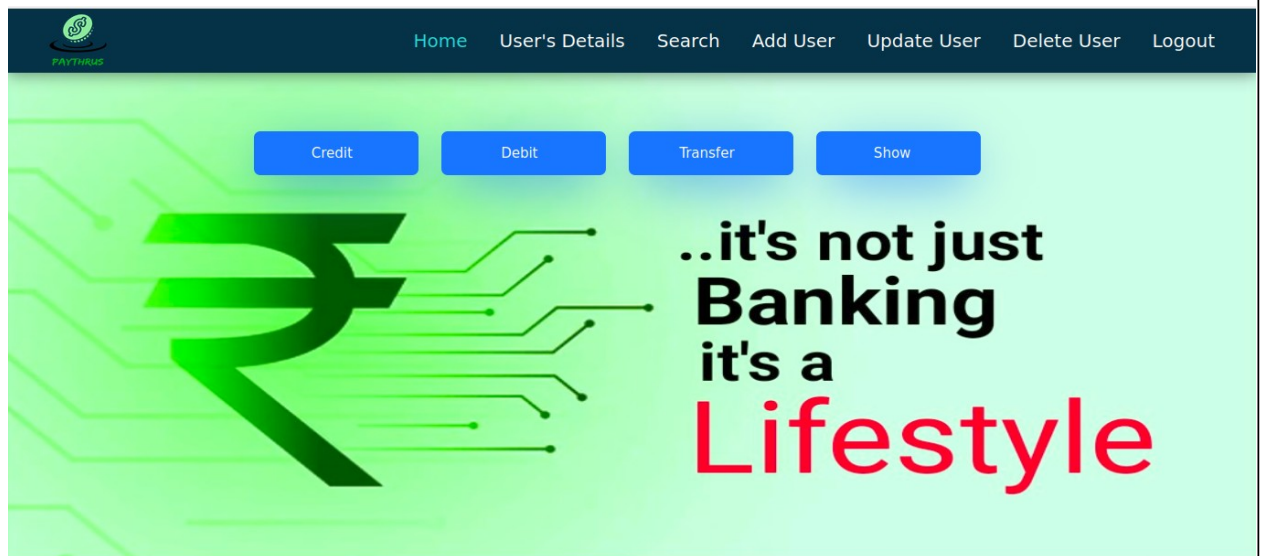


Output:-

Login:-



Manager Home Page:-



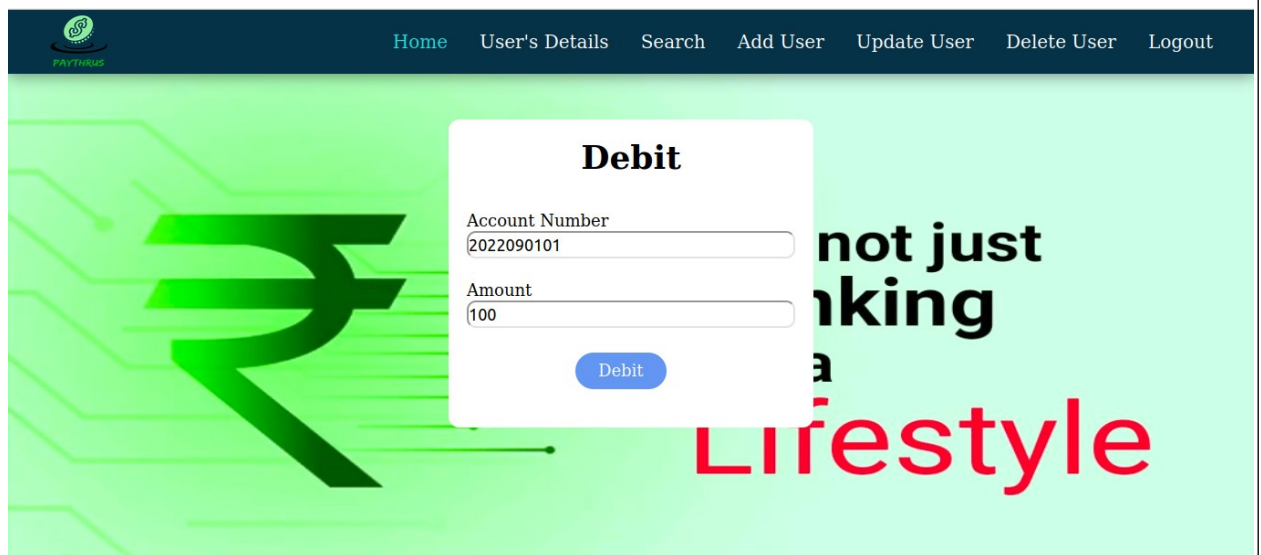
Customer Details:-



Account Number	First Name	Last Name	Email	Gender	Phone Number	Amount
2022090100	Abdul	Kareem	abdulkareem3560@gmail.com	Male	8978975465	1000
2022090102	Lakshmi Deepak	Karumuri	deepakdk@gmail.com	Male	9491184607	5000
2022090103	SURENDRA	SRIRAMULA	surendrasriramula@gmail.com	Male	8297697638	12500

it's a Lifestyle

Debit:-



Debit

Account Number
2022090101

Amount
100

Debit

not just making a Lifestyle

Credit:-

localhost/output/credit.php

Home

User's Details

Search

Add User

Update User

Delete User

Logout

PAYTHRUS

Credit

Account Number

2022090100

Amount

100

Credit

Transaction Successfull

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Show Transactions:-

localhost/output/show_transactions.php

Home

User's Details

Search

Add User

Update User

Delete User

Logout

PAYTHRUS

Show Transactions

Account Number

Show Transactions

Transaction Details (2022090101)			
Date & Time	Transaction Type	Amount	Available Amount
2022-09-21 22:32:05	Transferred from 2022090100	100	7000
2022-09-21 22:30:39	Transferred from 2022090100	4000	6900

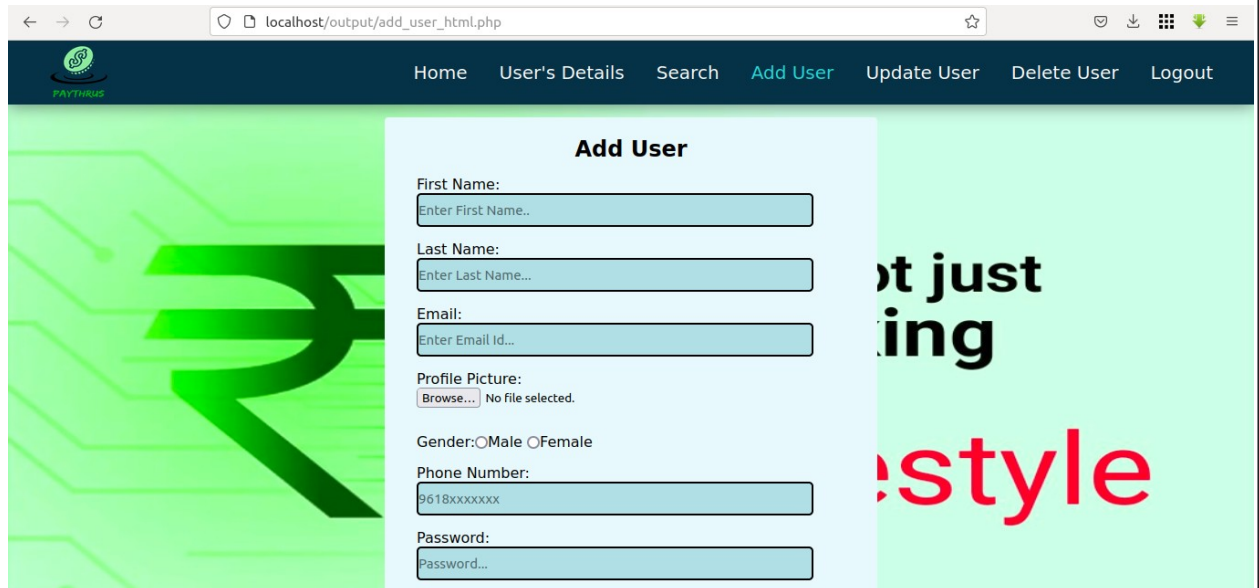
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Add Customer :-



The screenshot shows a web browser window with the URL `localhost/output/add_user_html.php`. The application has a dark blue navigation bar with the 'PAYTHRUS' logo and links for Home, User's Details, Search, Add User, Update User, Delete User, and Logout. The 'Add User' form is displayed in the center, featuring a light blue background. The form includes input fields for First Name, Last Name, and Email, a file upload button for the Profile Picture, a gender selection (Male/Female), and input fields for Phone Number and Password. The background of the page features a large green Indian Rupee symbol and the text 'not just Living Lifestyle'.

Add User

First Name:

Last Name:

Email:

Profile Picture:
 No file selected.

Gender: ☐ Male ☐ Female

Phone Number:

Password:

Update Customer details:-



The screenshot shows the same web application with the 'Update User' link highlighted in the navigation bar. The 'Update User's Phone Number' form is displayed in the center, featuring a light blue background. The form includes input fields for 'Enter User Email Id...' and 'Enter Phone Number to update....', and an 'Update' button. The background of the page features a large green Indian Rupee symbol and the text 'not just Living Lifestyle'.

Update User's Phone Number

Delete Customer:-

The screenshot shows a web browser window with the URL `localhost/output/delete_user.php`. The application header is dark blue with the PAYTHRUS logo and navigation links: Home, User's Details, Search, Add User, Update User, Delete User (highlighted), and Logout. The background features a large green Indian Rupee symbol and the text "not just Banking it's a Lifestyle". A light blue modal box titled "Delete User" is centered, containing a text input field with the value "2022090101" and a green "Delete" button.

DELETE USER

2022090101

Delete

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Lifestyle

Transfer:-

The screenshot shows the same web browser window with the URL `localhost/output/delete_user.php`. The application header and background are identical to the previous screenshot. A white modal box titled "Transfer" is centered, containing three text input fields: "Sender Account Number" with value "2022090100", "Receiver Account Number" with value "2022090102", and "Amount" with value "555". A blue "Transfer" button is at the bottom of the modal.

TRANSFER

Sender Account Number
2022090100

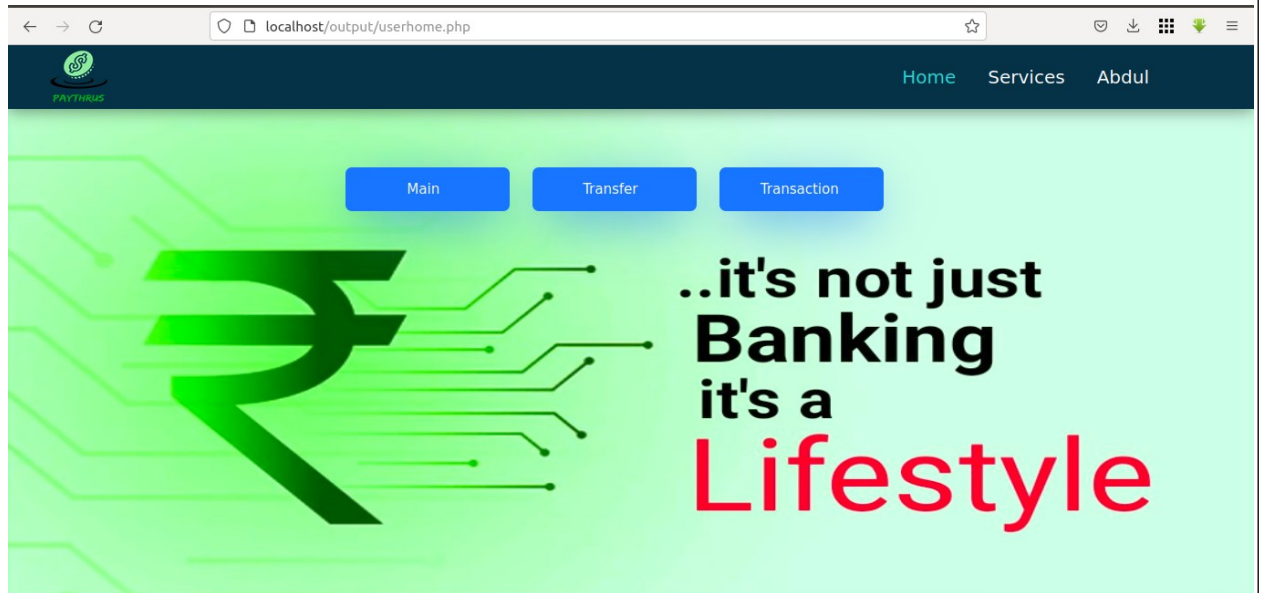
Receiver Account Number
2022090102

Amount
555

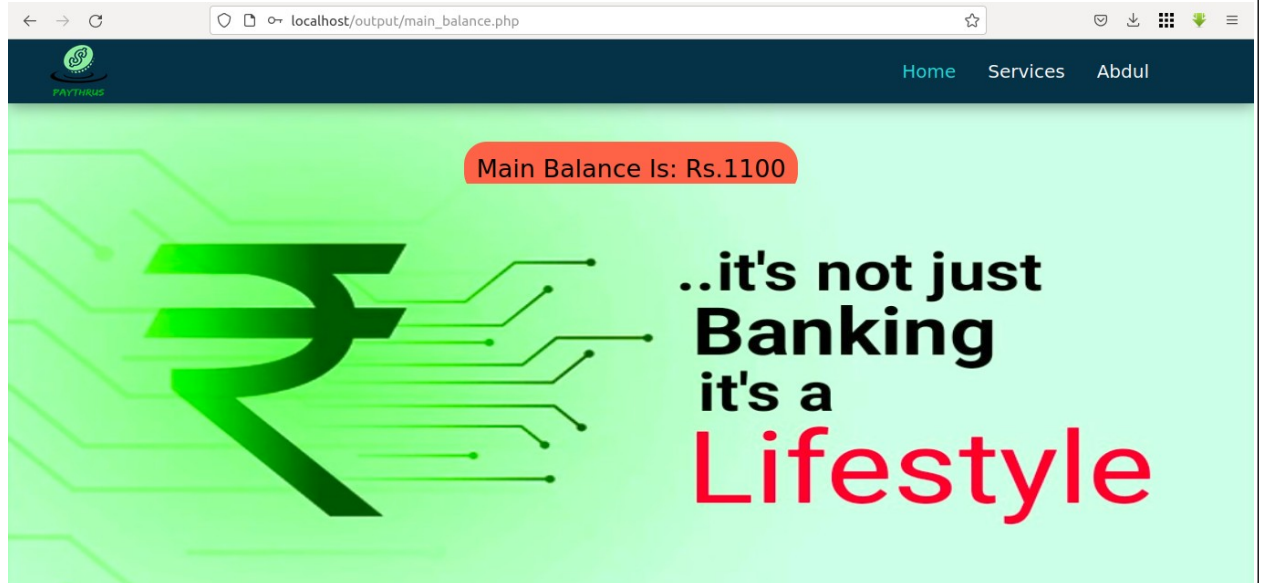
Transfer

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User Home page:-



Main Balance:-



User Transfer:-



Home Services Abdul

Transfer

Receiver Account Number

Amount

Transfer

Please fill out this field.

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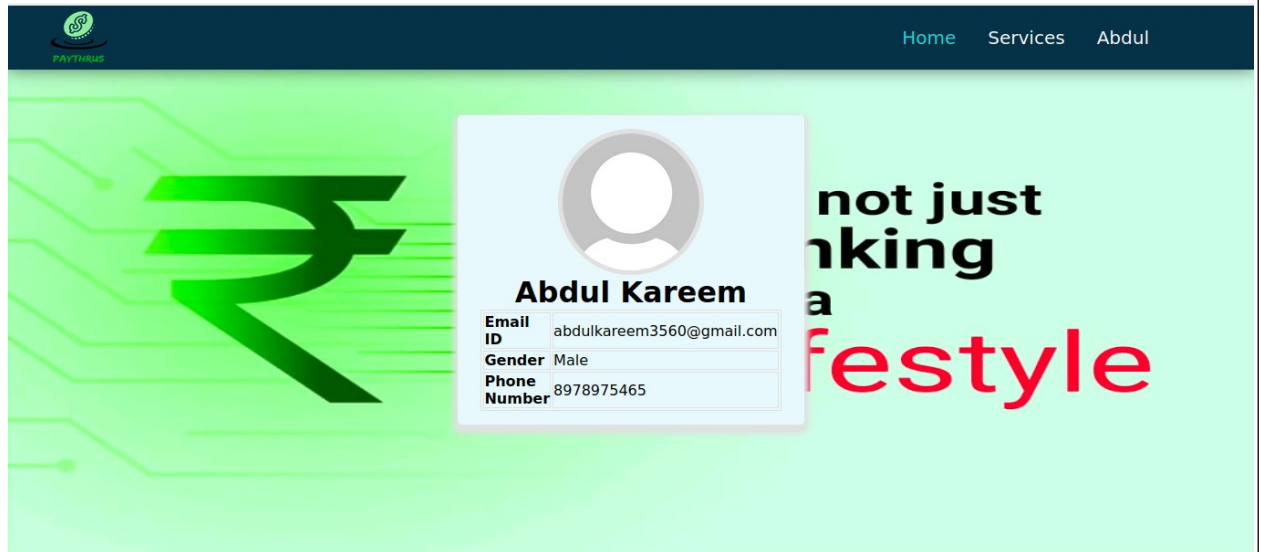
User Transaction History:-



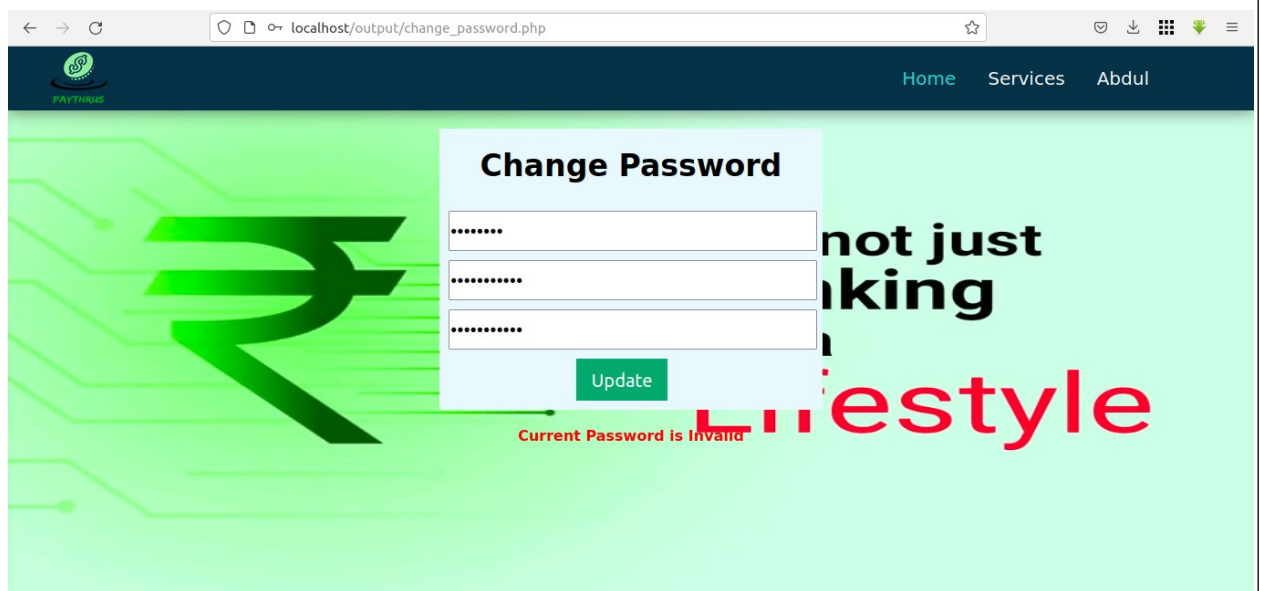
Home Services Abdul

Transaction Details (2022090100)			
Date & Time	Transaction Type	Amount	Available Amount
2022-09-21 22:32:05	Transferred to 2022090101	100	1000
2022-09-21 22:30:39	Transferred to 2022090101	4000	1100
2022-09-21 22:28:54	Transferred from 2022090100	2000	5100
2022-09-21 22:28:54	Transferred to 2022090100	2000	1100
2022-09-21 22:28:42	Transferred to 2022090101	100	3100
2022-09-21 22:27:23	Transferred to 2022090101	100	3200
2022-09-21 22:27:02	Transferred to 2022090101	100	3300

User Profile:-



Update User Password:-



Conclusion:-

After careful observation, it has come to my conclusion that e-commerce has undeniably become an important part of our society. The world wide web is and will have a large part in our daily lives. It is therefore critical that small businesses have their own to keep in competition with the larger websites.

These business transactions occur either as business-to-business (B2B), business-to-consumer (B2C), consumer-to-consumer or consumer-to-business.

References:-

HTML & CSS:-

- [HTML – GeeksforGeeks](#)
- [CSS – GeeksforGeeks](#)

PHP:

- <https://www.php.net>
- [PHP Tutorials – GeeksforGeeks](#)

MySql.

- <https://www.mysql.com>
- [MySQL | Common MySQL Queries - GeeksforGeeks](#)