



East West University

SRS(Software Requirement Specification)

Course : CSE411

Section : 2

Semester : Fall2020

Course Title : Software Engineering and Information System Design

Project Topic

Universal Online Banking Management System

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Universal Online Banking Management System

Introduction:

Universal or Global online banking is a web platform that combine all bank globally. User will able to transact money in same bank, other bank inside the country and outside the country. It will reduce user's time and hassle of standing in a long line in bank to for transaction. Outside country it will convert the money based on the country.

Users can enjoy instant access from their computer or mobile device to a full range of services, allowing you to: Check balances on accounts and view records of your transactions. Pay bills automatically each month with easy-to-set-up auto payment. Transfer funds between accounts. Also between different banks and country. An online account is simple to open and easy to operate. It's convenient, because you can easily pay your bills and transfer your funds between accounts from nearly anywhere in the world.

You do not have to stand in a queue to pay off your bills or transfer money. Also you do not have to keep receipts of all of your bills, as you can now easily view your transactions.

It is available all the time. You can perform your tasks from anywhere and at any time, even at night or on holidays when the bank is closed. The only thing you need to have is an active internet connection.

It is fast and efficient. Funds get transferred from one account to the other very fast. You can also manage several accounts easily through internet banking. You can keep an eye on your transactions and account balance all the time.

You can get to know about any fraudulent activity or threat to your account before it can pose any severe damage.

Also the web app make easy to their user transfer money from one bank to another bank in the country or world easily by simple few steps. They also don't need to

worry about tax or transaction charge or change money values to country wise. All will work automatically.

In this Covid-19 pandemic situation, it is very risky to go to the bank for services. So people can easily access. This services are very effective at this time.

So, to make people easier, to give them happier and healthier life, we try to make an universal online banking management system web app where anyone can easily access by online and as well as offline too.

Motivation:

Our main objective is to be able to transfer money from any bank globally to another bank, not just transaction within the same banking institution.

It is aims to reduce the cost and hassle of transaction between most of or renowned bank globally.

Users won't need to worry about Tax pay, money transaction between any bank in the country or world, debit, credit, money values change between countries etc. All possible things can do by this web app very easily and globally.

Admin or manager also can do their work by this web app and keep eye on every User and help them.

We want to make a well-organized banking management system which provides futuristic banking service towards the people of Bangladesh or any other country in the world.

This system can greatly reduce the risk of affecting from Corona virus.

We will try to maintain a good security system. One user can't see other user information. So, it will be safe for the users.

Challenges:

Adding most of the bank globally.

In short duration the project need to be completed in PHP.

Have to handle all legal issues and privacy as different bank has different privacy system.

Need to add all kind of feature which all bank have.

Ensuring high security and protecting the client's data.

Since this project is entirely team driven, we lack any client or upper-management feedback. Lacking well-defined client-requirements will make the development process a little more difficult.

Getting the team familiar with technologies they haven't worked with before.

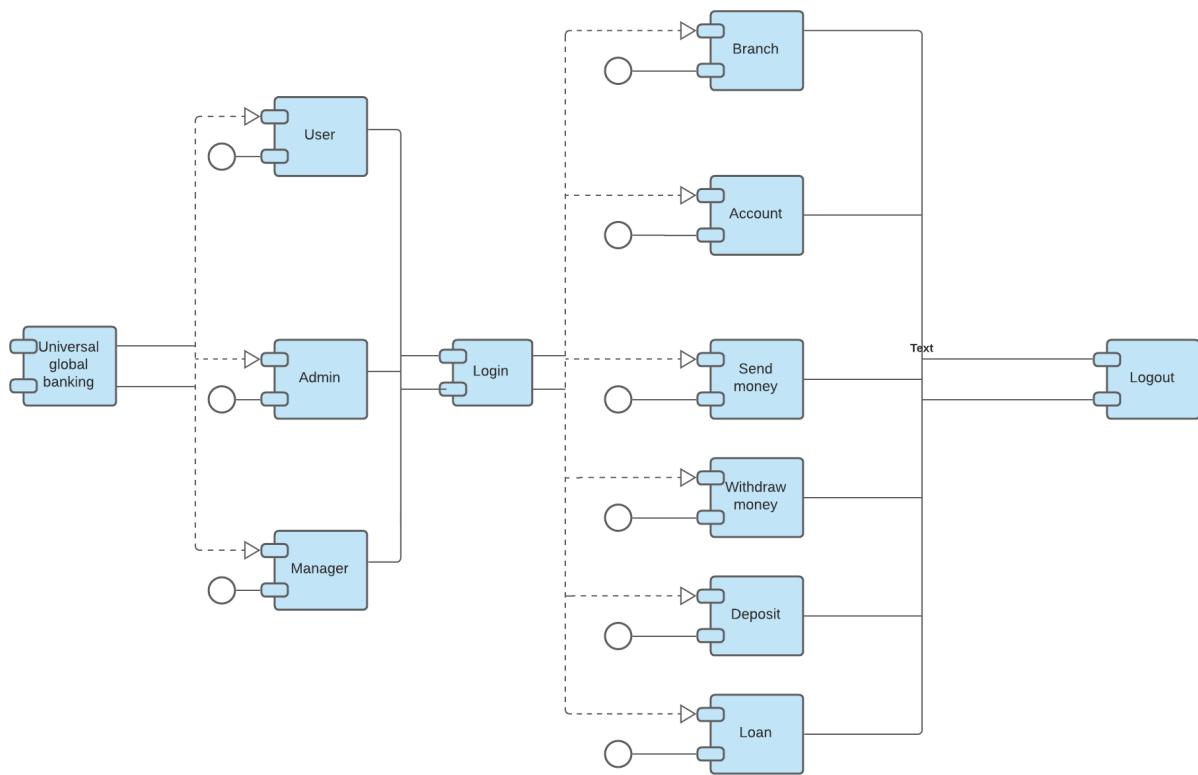
Making the design module more user friendly through non-functional requirements so that the customers can use it more smoothly.

Developing such a design which is always updating information, adding features.

A functional online management web app will have a large number of users. For the reason, we need large storage in our database system to secure all the information of our client. Our resource is limited. So, it isn't possible for us to increase storage in our database system for our tight budget.

The technological system is updating day by day. For this reason, we can't cope up with this technological update for our limited budget. If our budget is more, we can use the Big Data concept.

Component Diagram



Software Requirements:

There are two types of requirements. They are **Non-functional requirements** and **Functional requirements.**

Non-Functional Requirements:

Security Requirements: Privacy is the most important thing for this web application. For protecting account user sensitive information and others things like password etc. will provide high security. One can't see or access others account in the system so that the system should be used secure socket layer for all the transactions. We used **MD5 encryption method** to secure password.

Account Requirements: Will add a system for tax difficulties, as different country have different type of amount tax for transaction money.

Efficiency Requirements: Indexing will be added. Indexing will help to search. Through indexing searching will be easier, user will easily can find their desired bank account or information they want to do transaction in very short time.

If the system hasn't fast searching capability, then user loses their interest on that system. It is a very important constraint of the system.

Organizational Requirements: In addition to our target audience, any bank account user in any age can easily work with that properly without facing any major difficulties. It will be well organized.

Performance Requirements: The system must be interactive and occurs less bugs on run time this system and this system is also very fast in each and every transactions.

Maintainability/ Development Requirements: This system should have maintainability power. If this system hasn't maintain capability and the system will have any bug or crash then it won't be fix and the system totally failed to do it works. Also for future, more functional requirements can be added and system can be developed easily without changing the whole software.

User friendly: The system must be user friendly. User will not give interest if the system is not friendly. The system should be very handy so that the user can easily

use it. We make simple but nice User Interface, hover-actions by using HTML, CSS & JS. We also make the web-app **responsive** for user-friendly for any device.

Each input, option, negative value and possible all error or garbage/fault input is handled. And used Session for every possible step.

The goal is to ensure readily available services to user for transaction and withdrawing money.

Functional Requirements:

User authentication: Since our web-app deal with sensitive information about the user's information, a thorough authentication procedure should be followed.

Scenario: When a user/manager/admin/super-admin tries to access their account or use URL while they are not logged in, they would be redirected to the login page. Once the user enters their username and password and authentication is complete, they will be redirected to their desired page. Pages with sensitive/personal information can only be accessed through logging in to the system.

Pages -

#Home: Homepage will contain the option's Login for user and bank's admin/manager, Register for new bank or new user and also shows the contact us and about us page's buttons & options.

URL: [Universal Bank - Login](#) = [Universal Bank - Login](#) =
<http://localhost/UniversalBank/> = <http://localhost/UniversalBank/index.php>

#Contact: In contact us there will phone number and email for any kind of query related bank. (Social media's account will be also included.)

#About Us: In about us, there will description about our services and others procedure about bank. (Social media's account will be also included.)

There will be 3 types of users for login,

1. Super Admin, 2. Bank Admin/Manager, 3. User.

#1. Super Admin Login: Administrators of the system or web app. It will control

our whole system, super admin will approve new bank's registration, when someone will registered for new bank it will directly not be approved, it will be approved by super admin. When super admin will review and approved it a confirmation email will be send to manager. Admin will approve the bank's account. But admin can't see or do anything he/she want with user or bank's account. There will be security.

For login as Super Admin he/she have to use especial URL.

URL: [Universal Bank - Super Admin](http://localhost/UniversalBank/admin-panel/login.php) = <http://localhost/UniversalBank/admin-panel/login.php>

Input: username, password (password has eye button or option to change by clicking once on/off to password or text mode/view).

Output: Active User list, Active Banks List, Pending Bank Approvals, All Transactions & Change Password. (In Nav-bar-- Navigation Bar will always show Admin & Logout button until logged out).

Active User list: Here will show all active user list & their only necessary info including picture and current balance.

Active Banks List: Here will show all active bank list & their only necessary info. Also have button to deactivate the banks.

Pending Bank Approvals: Here will show all inactive or pending bank list & their only necessary info. Also have button to activate the banks.

All Transactions: Here will show All Transactions of all Bank's all Users. (Withdraw, Deposit and Transfer).

Change Password: Here super-admin can change password. But have to match old password, new password can't be old password, confirm password must match new password and new Password must contain *At least 8 characters *At least a number *At least a letter * At least one Capital letter. (Password has eye button or option to change by clicking once on/off to password or text mode/view).

#2. Bank Admin/Manager Login: Admin/Manager of each bank. By entering email and password & choosing bank admin/manager can login. Each bank have separate admin/manager.

Input: choose bank, username, password (password has eye button or option to change by clicking once on/off to password or text mode/view).

Output: Active Users List, Pending User Approvals, Bank Summary, Transaction History & Change Password. (In Nav-bar-- Navigation Bar will always show Bank's Name-home page of bank or bank page & Logout button until logged out, also home, contact & about us page-button).

Active Users List: Here will show all active user list of that bank & their only necessary info including picture and current balance. Also have button to deactivate the users.

Pending User Approvals: Here will show all inactive or pending user list of that bank & their only necessary info including picture and current balance. Also have button to activate the users.

Bank Summary: Here will show the bank's only necessary info including bank's status (Active or Inactive) and whole bank's current balance.

Transaction History: Here will show All Transactions of that Bank's all users. (Withdraw, Deposit and Transfer).

Change Password: Here admin/manager can change password. But have to match old password, new password can't be old password, confirm password must match new password and new Password must contain *At least 8 characters *At least a number *At least a letter * At least one Capital letter. (Password has eye button or option to change by clicking once on/off to password or text mode/view).

#3. User Login: User of any bank. By entering email and password & choosing bank any user can login.

Input: choose bank, username, password (password has eye button or option to change by clicking once on/off to password or text mode/view).

Output: Personal Information, Account Summary, Change Password, Make A Transaction & Transaction History. (In Nav-bar-- Navigation Bar will always show

User's Name-home page of user or profile page & Logout button until logged out, also home, contact & about us page-button).

Personal Information: Here will show only user's necessary personal info including picture. Also have button to deactivate the users.

Account Summary: Here will show user's account number, account status (active/inactive) & current balance.

Change Password: Here user can change password. But have to match old password, new password can't be old password, confirm password must match new password and new Password must contain *At least 8 characters *At least a number *At least a letter * At least one Capital letter. (Password has eye button or option to change by clicking once on/off to password or text mode/view).

Make A Transaction: (If active user.) Deposit Money, Withdraw Money & Transfer Money buttons.

(If Inactive User), then will show “Wait till your account is activated to Start making Transactions”.

- i. **Deposit Money:** Here User have to fill up form Username/Email, Password (Password has eye button or option to change by clicking once on/off to password or text mode/view), Amount of money (can't be negative value) & 4 digit secret pin (“1234” by default).
- ii. **Withdraw Money:** Here User have to fill up form Username/Email, Password (Password has eye button or option to change by clicking once on/off to password or text mode/view), Amount of money (can't be negative value & can't more than balance) & 4 digit secret pin (“1234” by default).
- iii. **Transfer Money:** Here User have to fill up form Username/Email, Password (Password has eye button or option to change by clicking once on/off to password or text mode/view), Amount of money (can't be negative value & can't more than balance), Target Account number (of any user), Target Bank (of that user's bank name) & 4 digit secret pin (“1234” by default).

Transaction History: Here will show All Transactions of that users. (Withdraw, Deposit and Transfer).

Registration: There will be 2 types of Registration. As user & for New bank request.

#User Registration: User need to do registration. Registration will contain user's NID number, first name, last name, phone number, gender, email, password, confirm password, address, bank name/choose option, user's photo by uploading jpg/jpeg/png file & account number (by producing random value). [Password must contain *At least 8 characters *At least a number *At least a letter * At least one Capital letter.].

After the registration a request will be send to manager to active that user's account, when manager will approve the request, user can do all transactions. Until then, user only can login and see his/her status but can't make any transactions.

(Users Uploaded file of photo will automatic move into main pc or data center image folder)

#New Bank Registration: Here, a person need to do registration. Registration will contain Bank Name, phone number, authorization ID, address, email for user and bank-email for login (@ubbl.com) & password, confirm password. [Password must contain *At least 8 characters *At least a number *At least a letter * At least one Capital letter.].

After the registration a request will be send to Super Admin of web app to active that bank's account, when Super Admin will approve the request, admin of that bank can do login & rest works. Until then, bank can't login and user can't register account to that bank.

#Log-Out: when the button logout will press, the logout page will show for 2 seconds and will bring to Home page.

Other: After every successful or unsuccessful process or for error every necessary notification will show below.

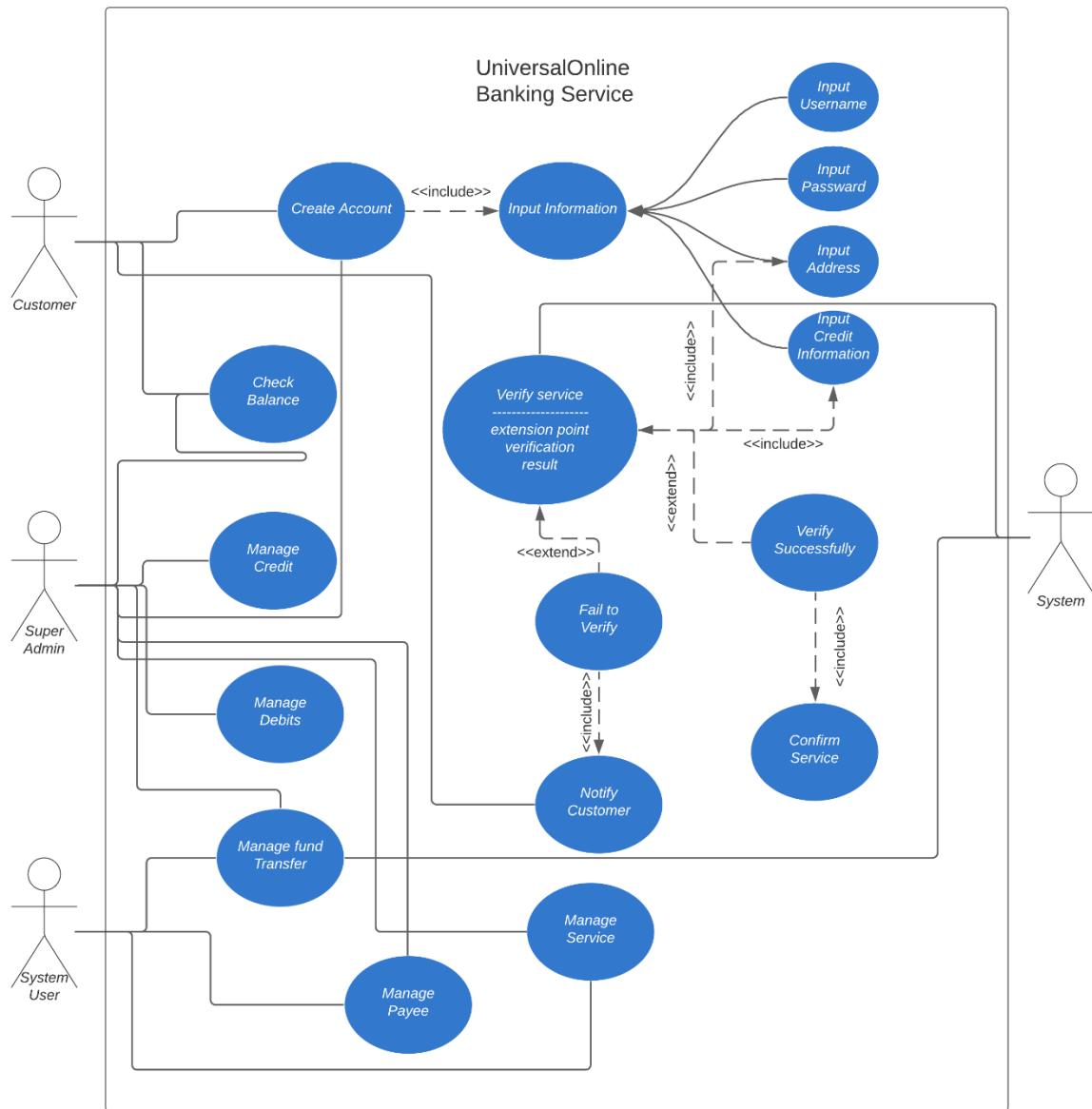
Technological Specs:

Front-End: HTML, CSS, Bootstrap & JS.

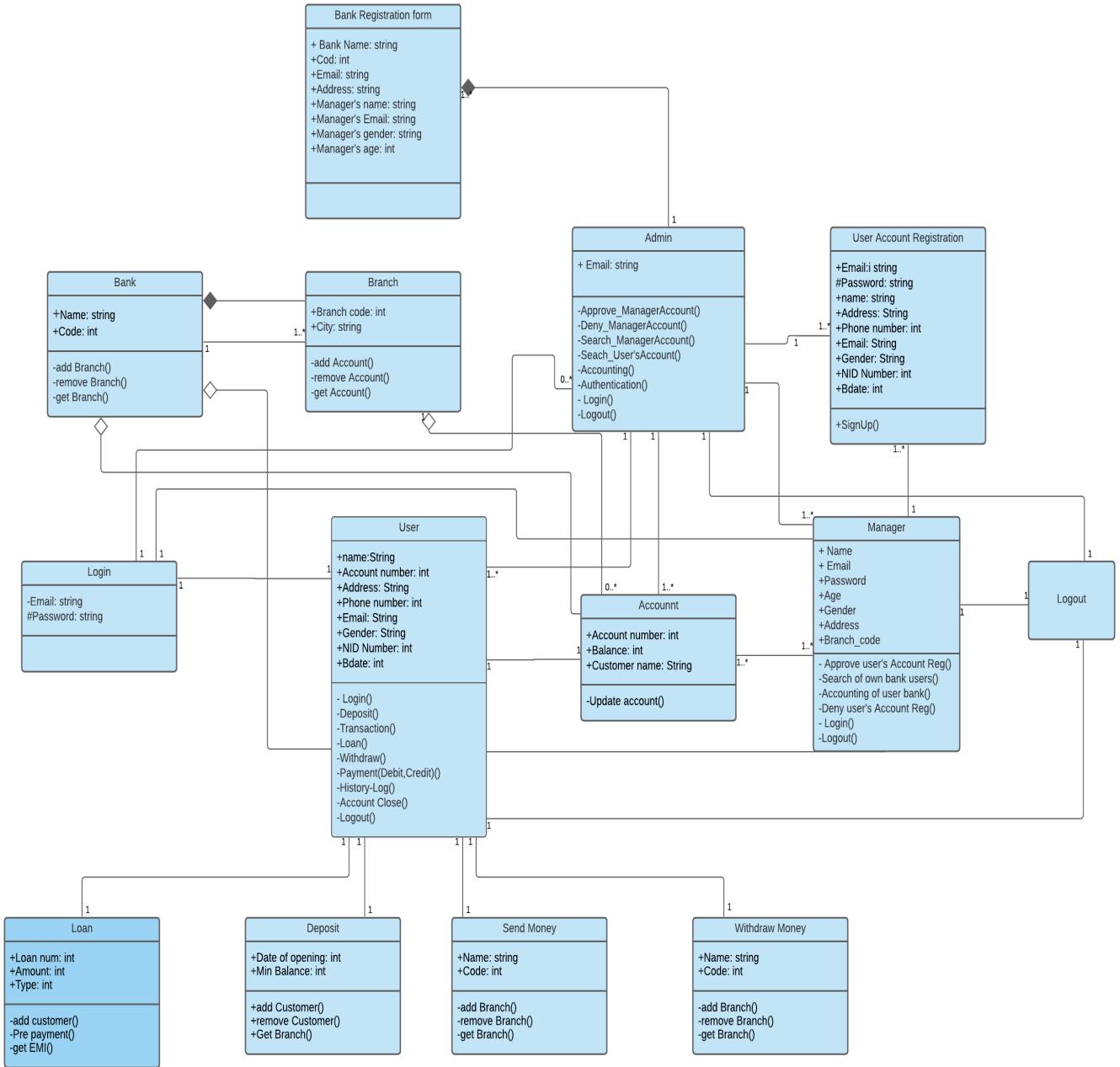
Back-End: PHP (Raw code).

Database: MySQL (xampp).

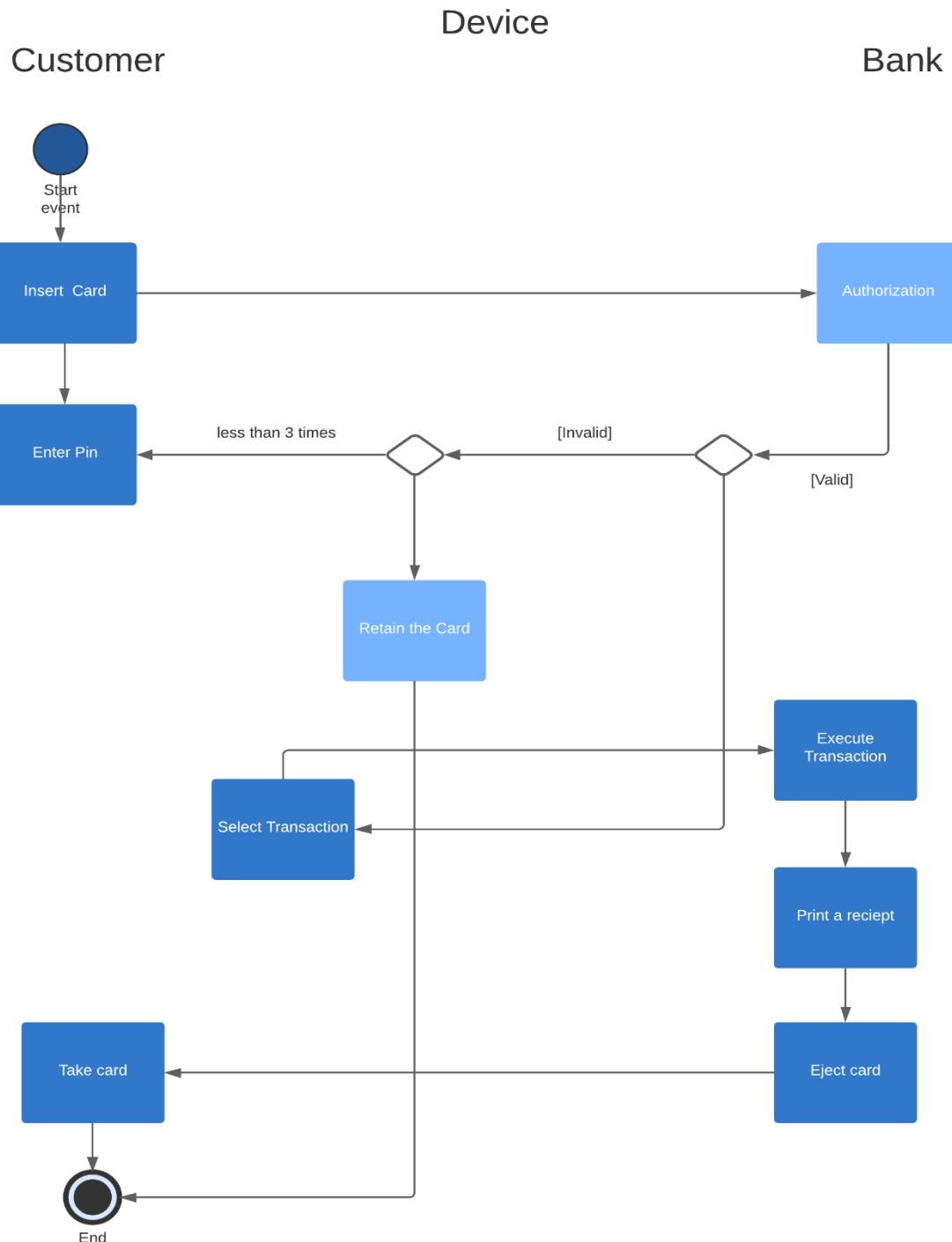
UML Use-case Diagrams



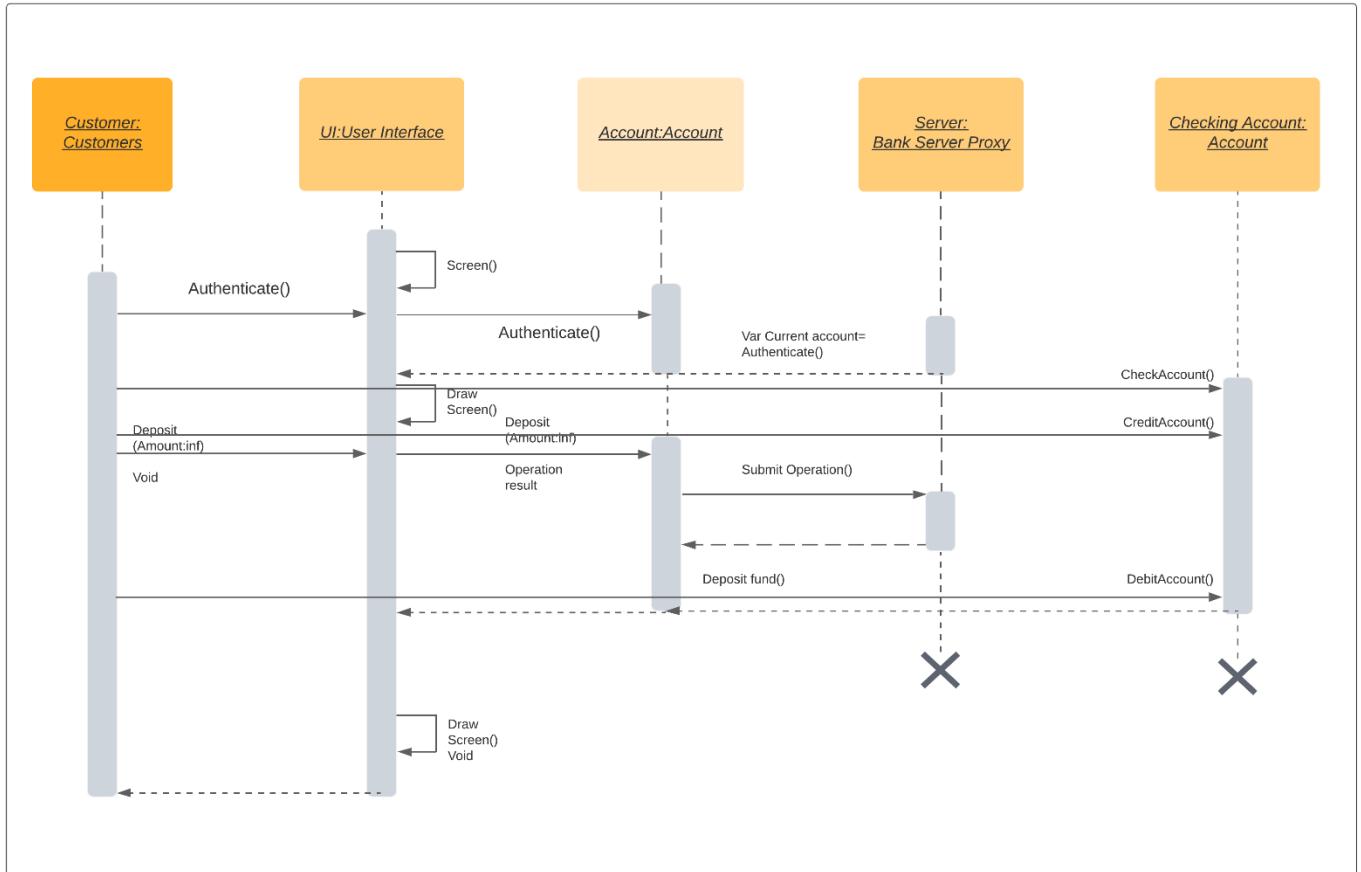
UML Class Diagram



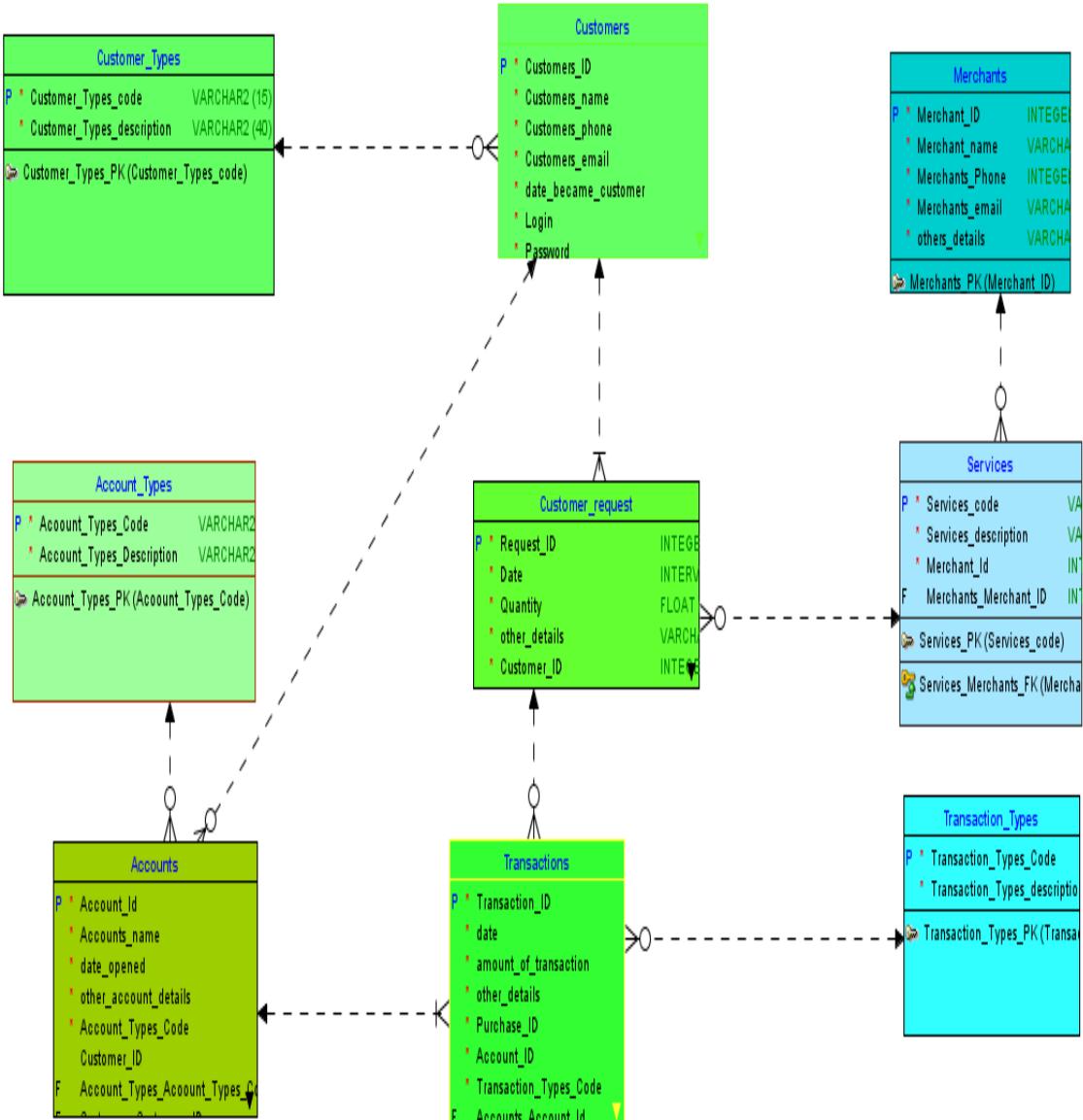
UML Activity Diagram



UML Sequence Diagram



Entity Relationship Diagram



User Interface Screenshots

Screenshot 1: phpMyAdmin - Database Structure

| Table | Action | Rows | Type | Collation | Size | Overhead |
|--------------|---|------|--------|--------------------|----------|----------|
| admins | Browse Structure Search Insert Empty Drop | 5 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| superadmin | Browse Structure Search Insert Empty Drop | 1 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| transactions | Browse Structure Search Insert Empty Drop | 10 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| users | Browse Structure Search Insert Empty Drop | 9 | InnoDB | utf8mb4_general_ci | 64.0 KiB | 0 B |

Screenshot 2: phpMyAdmin - Table Data

| aid | name | contact | address | bid | bmail | email | pass |
|-----|-------------|-------------|--|----------------|---------------------|----------------------------|----------------------------|
| 5 | Sonali Bank | 01521569950 | Motijheel Commercial Area, Dhaka-1000 | 44 | 42346293857693 | sonalibank@ubbl.com | b5303027c61e1ee0547b637 |
| 6 | Rupali Bank | 01521569950 | 34 Dilkusha C/A, Dhaka-1000 | 1000 | 93874562389475 | rupalibank@ubbl.com | 5c6b444995b6c3ba32ff36429c |
| 7 | Janata Bank | 01345678912 | 110 Motijheel Commercial Area, Dhaka 1000 | 93745623978456 | janatabank@ubbl.com | 154310f0d56c3d6f1484281b0f | |
| 8 | Agrani Bank | 01518641840 | 9/D Dilkusha Commercial Area, Dhaka - 1000 | 23487239487298 | agranibank@ubbl.com | 77bb943c0ecce5a672240c90c | |
| 9 | Pubali Bank | 01521326125 | 26, Dilkusha Commercial Area | 49238756384752 | pubalibank@ubbl.com | 56bac6df02d88d54b73de80d3 | |

localhost / 127.0.0.1 / ubanking x Universal Bank - Login x +

localhost/phpmyadmin/sql.php?server=1&db=ubanking&table=admins&pos=0

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 > Database: ubanking > Table: admins

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Number of rows: Filter rows: Search this table Sort by key: None

| | aid | name | contact | address | bid | bmail | email | pass | active |
|------|-----|-------------|-------------|---|----------------|---------------------|----------------------|----------------------------------|--------|
| Copy | 5 | Sonali Bank | 01521569950 | 44 Motijheel Commercial Area, Dhaka-1000 | 42346293857693 | sonalibank@ubbl.com | sonalibank@gmail.com | b5303027c61e1eeca0547b63786fd35 | 1 |
| Copy | 6 | Rupali Bank | 01521569950 | 34 Dilkusha C/A, Dhaka-1000 | 93874562389475 | rupalibank@ubbl.com | rupalibank@gmail.com | 5c6b444995b6c3ba32ff36429c3d60e4 | 1 |
| Copy | 7 | Janata Bank | 01345678912 | 110 Motijheel Commercial Area, Dhaka-1000 | 97345623978456 | janatabank@ubbl.com | janatabank@gmail.com | 154310f0d56c3d6f1484281b0f4dd545 | 1 |
| Copy | 8 | Agrani Bank | 01518641840 | 9/D Dilkusha Commercial Area, Dhaka-1000 | 23487239487298 | agranibank@ubbl.com | agranibank@gmail.com | 77bb943c0ecce5a672240c90c1c132f7 | 1 |
| | 9 | Pubali Bank | 01521326125 | 26, Dilkusha Commercial Area | 49238756384752 | pubalibank@ubbl.com | pubalibank@gmail.com | 56bac6df02d88d54b73de80d367636f9 | 1 |

Console D: 0.010 Mbit/s U: 0.013 Mbit/s ENG 11:57 PM 07-Jan-21

localhost / 127.0.0.1 / ubanking x Universal Bank - Login x +

localhost/phpmyadmin/sql.php?server=1&db=ubanking&table=superadmin&pos=0

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 > Database: ubanking > Table: superadmin

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

SELECT * FROM `superadmin`

Show all Number of rows: 25 Filter rows: Search this table

+ Options id admin pass

Edit Copy Delete 1 super-admin a2aa56ae8d0a2e574474a0a7bbe30cb5

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Console D: 0.013 Mbit/s U: 0.008 Mbit/s ENG 11:57 PM 07-Jan-21

localhost / 127.0.0.1 / ubanking x Universal Bank - Login x +

localhost/phpmyadmin/sql.php?server=1&db=ubanking&table=transactions&p... ☆ off 1 🛡 Import ...

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 > Database: ubanking > Table: transactions

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 9 (10 total, Query took 0.0003 seconds.)

SELECT * FROM `transactions`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

| | id | name | acc | bank | amount | type | acc2 | bank2 |
|--------------------------|----|-----------------------|------------|-------------|--------|----------|------------|-------------|
| <input type="checkbox"/> | 2 | Shamimatal Shopnil | 1294837799 | Rupali Bank | 100 | withdraw | NULL | NULL |
| <input type="checkbox"/> | 3 | Shamimatal Shopnil | 1294837799 | Rupali Bank | 10000 | deposit | NULL | NULL |
| <input type="checkbox"/> | 5 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 100000 | deposit | NULL | NULL |
| <input type="checkbox"/> | 6 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 500 | deposit | NULL | NULL |
| <input type="checkbox"/> | 7 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 2000 | withdraw | NULL | NULL |
| <input type="checkbox"/> | 8 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 4000 | transfer | 1294837799 | Rupali Bank |
| <input type="checkbox"/> | 9 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 55000 | deposit | NULL | NULL |
| <input type="checkbox"/> | 10 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 520 | withdraw | NULL | NULL |
| <input type="checkbox"/> | 11 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 3700 | transfer | 7953493769 | World Bank |
| <input type="checkbox"/> | 12 | Shamimatal Shopnil | 1294837799 | Rupali Bank | 2500 | transfer | 2282156822 | Swiss Bank |

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Console D: 0.013 Mbit/s U: 0.031 Mbit/s 11:57 PM ENG 07-Jan-21

localhost / 127.0.0.1 / ubanking x Universal Bank - Login x +

localhost/phpmyadmin/sql.php?server=1&db=ubanking&table=users&pos=0

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 > Database: ubanking > Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

SELECT * FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

| | uid | fname | gender | contact | address | nid | bank | acc | balance | email | image |
|--------------------------|-----|-------------------------------|--------|-------------|-------------------|----------------|-------------|------------|---------|-------------------|----------------|
| <input type="checkbox"/> | 17 | Md. Lutfullahil Labib Al-Amin | Male | 01911302979 | Madartek, Bashabo | 5535099997 | Rupali Bank | 3266747851 | 150280 | labib@gmail.com | 3266747851.jpg |
| <input type="checkbox"/> | 18 | Islam Hridoy | Male | 01521326125 | Madartek, Bashabo | 5535099997 | Janata Bank | 2342245191 | 0 | hridoy@gmail.com | 2342245191.jpg |
| <input type="checkbox"/> | 19 | Tanbin Siddique | Male | 01521569950 | Bashabo, Dhaka | 5535099997 | Agrani Bank | 4192199557 | 0 | eidul@gmail.com | 4192199557.jpg |
| <input type="checkbox"/> | 20 | Shamimatal Shopnil | Female | 01334567890 | sdfsDfsDF | 5535099997 | Rupali Bank | 1294837799 | 6700 | shopnil@gmail.com | 1294837799.jpg |
| <input type="checkbox"/> | 23 | Wonder Woman | Female | 01345678912 | abdsdsf | 23452345234523 | Janata Bank | 1883385667 | 0 | www@gmail.com | 1883385667.jpg |
| <input type="checkbox"/> | 24 | Alif Imran Khan | Male | 01734567756 | adfsfgerfgv | 12345678901234 | Agrani Bank | 8979462412 | 0 | alif@gmail.com | 8979462412.jpg |
| <input type="checkbox"/> | 26 | Leoneel Messi | Male | 01876543211 | Spain | 12345678901236 | World Bank | 7953493769 | 3700 | messi@gmail.com | 7953493769.jpg |
| <input type="checkbox"/> | 27 | Ronaldinho Gaucho | Male | 01776543211 | Brazil | 16345678901236 | Pubali Bank | 5868485682 | 0 | r10@gmail.com | 5868485682.jpg |
| <input type="checkbox"/> | 29 | Kylian Mbappe | Male | 01476543211 | Paris, France | 86345678901236 | Swiss Bank | 2282156822 | 2500 | mbappe@gmail.com | 2282156822.jpg |

Console D: 0.011 Mbit/s U: 0.011 Mbit/s 11:57 PM ENG 07-Jan-21

localhost / 127.0.0.1 / ubanking x Universal Bank - Login x +

localhost/phpmyadmin/sql.php?server=1&db=ubanking&table=users&pos=0

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 > Database: ubanking > Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Profile Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

rows: Search this table Sort by key: None

| gender | contact | address | nid | bank | acc | balance | email | image | pass | pin | active |
|---------|-------------|-------------------|----------------|-------------|------------|---------|-------------------|----------------|----------------------------------|------|--------|
| Male | 01911302979 | Madartek, Bashabo | 5535099997 | Rupali Bank | 3266747851 | 150280 | labib@gmail.com | 3266747851.jpg | af1899c421dad48bd05db2ecf7f078ea | 1234 | 1 |
| Male | 01521326125 | Madartek, Bashabo | 5535099997 | Janata Bank | 2342245191 | 0 | hridoy@gmail.com | 2342245191.jpg | 39bb37cf36d3b29a9280d8a70a0eed42 | 1234 | 0 |
| Male | 01521569950 | Bashabo, Dhaka | 5535099997 | Agrani Bank | 4192199557 | 0 | eidul@gmail.com | 4192199557.jpg | 0a26cc832d2461658a20bd22b8f6e657 | 1234 | 0 |
| Male | 01334567890 | sdfsDfsDFsDF | 5535099997 | Rupali Bank | 1294837799 | 6700 | shopnil@gmail.com | 1294837799.jpg | eb023fa6f3ad872f4befbb0ac0ef09d4 | 1234 | 1 |
| Male | 01345678912 | abdsdsf | 23452345234523 | Janata Bank | 1883385667 | 0 | ww@gmail.com | 1883385667.jpg | 14a232e26452ccb5ea8ace7ab114c86e | 1234 | 1 |
| Male | 01734567756 | adfsfgerfgv | 12345678901234 | Agrani Bank | 8979462412 | 0 | allif@gmail.com | 8979462412.jpg | 848018e1a53a919bb4de3b70c743d37e | 1234 | 1 |
| Male | 01876543211 | Spain | 12345678901236 | World Bank | 7953493769 | 3700 | messi@gmail.com | 7953493769.jpg | ee1a49bd478c49566197cb6900c99a41 | 1234 | 1 |
| Male | 01776543211 | Brazil | 16345678901236 | Pubali Bank | 5868485682 | 0 | r10@gmail.com | 5868485682.jpg | 8e672f75858f2dbd8204072670ff667 | 1234 | 1 |
| Male | 01476543211 | Paris, France | 86345678901236 | Swiss Bank | 2282156822 | 2500 | mbappe@gmail.com | 2282156822.jpg | 723e62d128efbfa240ae8767c48bcf60 | 1234 | 1 |
| Console | | | | | | | | | | | |

localhost / 127.0.0.1 / ubanking x Universal Bank - Super Admin x +

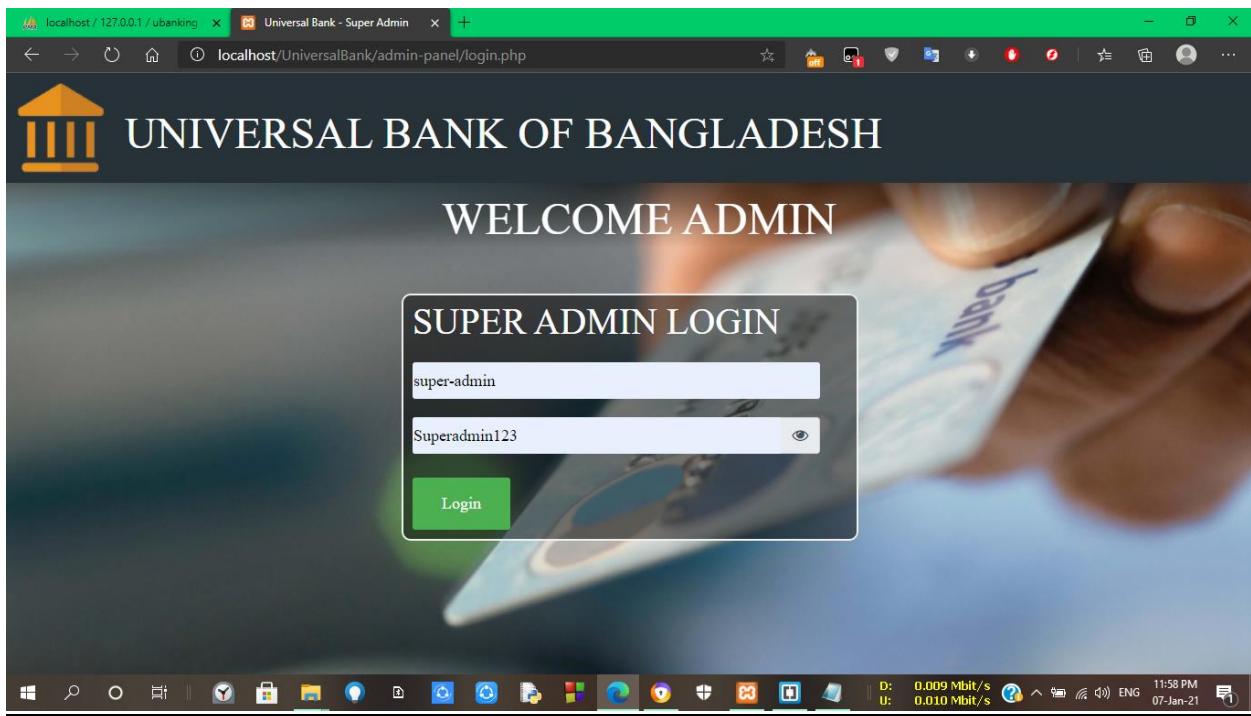
localhost/UniversalBank/admin-panel/login.php

UNIVERSAL BANK OF BANGLADESH

WELCOME ADMIN

SUPER ADMIN LOGIN

(Show)



localhost / 127.0.0.1 / ubanking Universal Bank - Super Admin

localhost/UniversalBank/admin-panel/active-users.php



UNIVERSAL BANK OF BANGLADESH

Active Users

ADMIN LOGOUT

| SLN | Picture | Full Name | Gender | Contact No | Email Address | National ID No | Bank Name | Account No. | Balance |
|-----|---------|-----------------------|--------|-------------|-------------------|----------------|-------------|-----------------|---------|
| 1 | | Md. Lutfullahil Labib | Male | 01911302979 | labib@gmail.com | 5535099997 | Rupali Bank | UBBL-3266747851 | 150280 |
| 2 | | Shamimatal Shopnil | Female | 01334567890 | shopnil@gmail.com | 5535099997 | Rupali Bank | UBBL-1294837799 | 6700 |
| 3 | | Wonder Woman | Female | 01345678912 | ww@gmail.com | 23452345234523 | Janata Bank | UBBL-1883385667 | 0 |

localhost / 127.0.0.1 / ubanking Universal Bank - Super Admin

localhost/UniversalBank/admin-panel/active-banks.php



UNIVERSAL BANK OF BANGLADESH

Active Banks List

ADMIN LOGOUT

| SLN | Bank Name | Contact No | Email | Bank ID No | Address | Action |
|-----|-------------|-------------|----------------------|----------------|---|----------------------------|
| 1 | Sonali Bank | 01521569950 | sonalibank@gmail.com | 42346293857693 | 44 Motijheel Commercial Area, Dhaka-1000 | Deactivate |
| 2 | Rupali Bank | 01521569950 | rupalibank@gmail.com | 93874562389475 | 34 Dilkusha C/A, Dhaka-1000 | Deactivate |
| 3 | Janata Bank | 01345678912 | janatabank@gmail.com | 93745623978456 | 110 Motijheel Commercial Area, Dhaka 1000 | Deactivate |
| 4 | Agrani Bank | 01518641840 | agranibank@gmail.com | 23487239487298 | 9/D Dilkusha Commercial Area, Dhaka - 1000 | Deactivate |
| 5 | Pubali Bank | 01521326125 | pubalibank@gmail.com | 49238756384752 | 26, Dilkusha Commercial Area Dhaka , Dhaka 1000 | Deactivate |
| 6 | World Bank | 01678899001 | worldbank@gmail.com | 98765432125566 | USA | Deactivate |
| 7 | Swiss Bank | 01552665744 | swissbank@gmail.com | 141414141414 | Basel, Switzerland | Deactivate |

localhost / 127.0.0.1 / ubanking Universal Bank - Super Admin

localhost/UniversalBank/admin-panel/pending-banks.php

UNIVERSAL BANK OF BANGLADESH

Pending Bank Approvals

ADMIN LOGOUT

| SLN | Bank Name | Contact No | Email | Bank ID No | Address | Action |
|-----|-----------------|-------------|--------------------------|----------------|------------------|----------|
| 1 | Bangladesh Bank | 01511302988 | bangladeshbank@gmail.com | 12345678901234 | Motijheel, Dhaka | Activate |
| 2 | Bank of China | 01812345678 | china@gmail.com | 41414141414141 | Beijing, China | Activate |

localhost / 127.0.0.1 / ubanking Universal Bank - Super Admin

localhost/UniversalBank/admin-panel/all-transactions.php

UNIVERSAL BANK OF BANGLADESH

All Transactions

ADMIN LOGOUT

All Transactions of all Bank's all Users

| SLN | Name | Account No | Bank | Amount | Transaction Type | Target Account | Target Bank |
|-----|-----------------------|------------|-------------|--------|------------------|----------------|-------------|
| 0 | Shamimatal Shopnil | 1294837799 | Rupali Bank | 100 | withdraw | | |
| 1 | Shamimatal Shopnil | 1294837799 | Rupali Bank | 10000 | deposit | | |
| 2 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 100000 | deposit | | |
| 3 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 500 | deposit | | |
| 4 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 2000 | withdraw | | |
| 5 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 4000 | transfer | 1294837799 | Rupali Bank |
| 6 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 55000 | deposit | | |
| 7 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 520 | withdraw | | |
| 8 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 3700 | transfer | 7953493769 | World Bank |
| 9 | Shamimatal Shopnil | 1294837799 | Rupali Bank | 2500 | transfer | 2282156822 | Swiss Bank |

localhost / 127.0.0.1 / ubanking Universal Bank - Super Admin

localhost/UniversalBank/admin-panel/ch-pass.php

UNIVERSAL BANK OF BANGLADESH

Change Admin Password

ADMIN LOGOUT

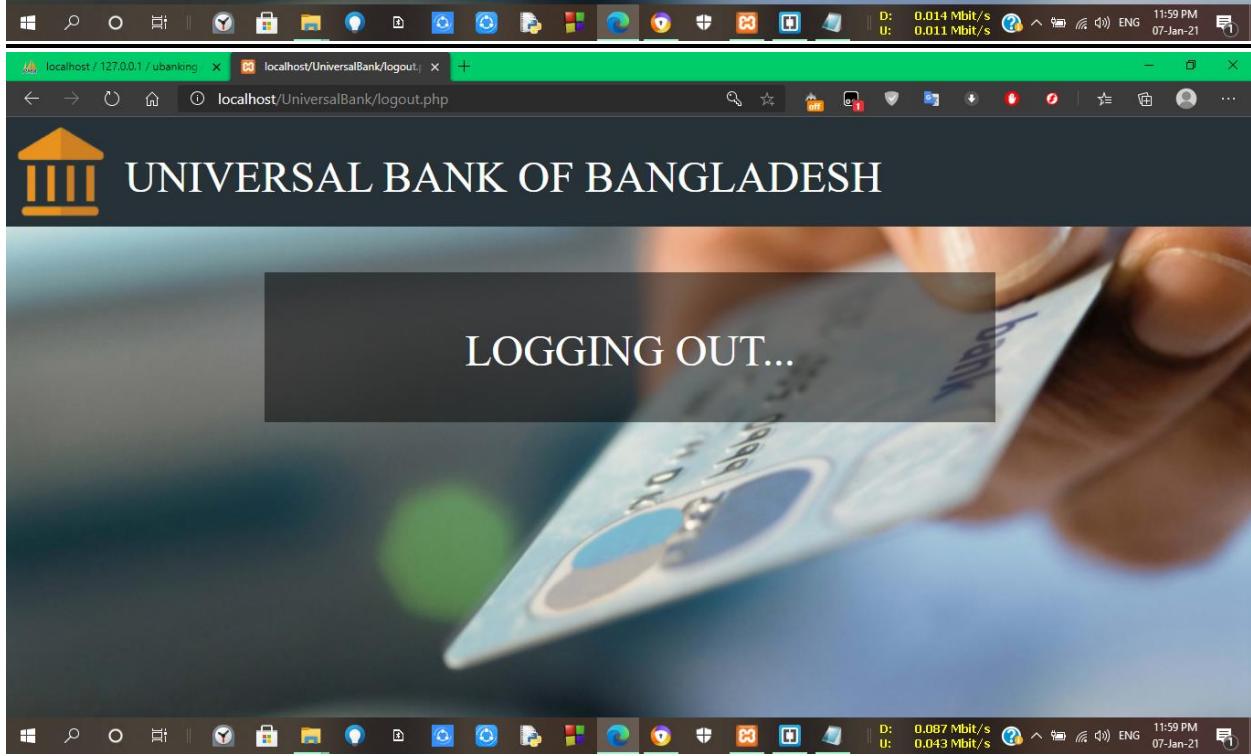
Change Password

Enter Old Password

Enter New Password

Confirm New Password

Submit



The screenshot shows a web browser window with two tabs: 'localhost / 127.0.0.1 / ubanking' and 'Universal Bank - Login'. The main content area displays the 'UNIVERSAL BANK OF BANGLADESH' logo (a stylized building icon) and the text 'UNIVERSAL BANK OF BANGLADESH'. Below this is a navigation bar with links for 'HOME', 'CONTACT', 'ABOUT US', 'REGISTER', and 'LOGIN'. A central call-to-action box contains the text: '**Universal Bank of Bangladesh Ltd.**', 'For any kind of query Contact Us', 'Address: A/2, Jahanul Islam Avenue Jahanul Islam City, Aftabnagar Dhaka-1212, Bangladesh', 'Email: info@ubbl.com', and 'Phone: 09666775577 | +880-2-9897322'. The background features a blurred image of a hand holding a bank card.

The screenshot shows a web browser window with two tabs: 'localhost / 127.0.0.1 / ubanking' and 'Universal Bank - Login'. The main content area displays the 'UNIVERSAL BANK OF BANGLADESH' logo and the text 'UNIVERSAL BANK OF BANGLADESH'. Below this is a navigation bar with links for 'HOME', 'CONTACT', 'ABOUT US', 'REGISTER', and 'LOGIN'. A central section titled 'ABOUT US' contains the text: 'CSE411', 'Md. Mohsin Uddin', 'Senior Lecturer', and 'East West University'. Below this is another section titled 'Submitted By:' with a list of three names: '1. Md. Lutfullahil Labib (2017-1-60-015)', '2. Shamimatal Jannat (2016-3-60-026)', and '3. Mst. Khadzeza Sultana Erani (2017-2-60-098)'. The background features a blurred image of a hand holding a bank card.

UNIVERSAL BANK OF BANGLADESH

Welcome to Universal Bank of Bangladesh Ltd.

OUR BANKS

Sonali Bank

Address: 44 Motijheel Commercial Area, Dhaka-1000
Contact: 01521569950
Email: sonalibank@gmail.com

OUR BANKS

Sonali Bank

Address: 44 Motijheel Commercial Area, Dhaka-1000
Contact: 01521569950
Email: sonalibank@gmail.com

Rupali Bank

Address: 34 Dilkusha C/A, Dhaka-1000
Contact: 01521569950
Email: rupalibank@gmail.com

The screenshot shows a web browser window with three tabs open. The active tab is 'Universal Bank - Login' at 'localhost/UniversalBank/index.php'. The page displays three bank profiles with contact information and a background image of a hand holding a bank card.

Universal Bank

Contact: 01678899001
Email: worldbank@gmail.com

Swiss Bank

Address: Basel, Switzerland
Contact: 01552665744
Email: swissbank@gmail.com

Bank of China

Address: Beijing, China
Contact: 01812345678
Email: china@gmail.com

The screenshot shows a web browser window with two tabs open. The active tab is 'Universal Bank - Register' at 'localhost/UniversalBank/user-register-page.php'. The page features a large image of a hand holding a bank card and contains a registration form.

UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US REGISTER LOGIN

New User Registration

Enter All Your Informations Correctly

| | |
|--------------------------|----------------------------|
| Enter your First Name | Enter your Last Name |
| Select Your Gender | Enter your Contact Number |
| Enter 14 digit NID No. | Enter your Full Address |
| Choose Your Bank | ACC NO. UBBL-3922892892 |
| Enter your Email Address | Choose File No file chosen |

localhost / 127.0.0.1 / ubanking Universal Bank - Register

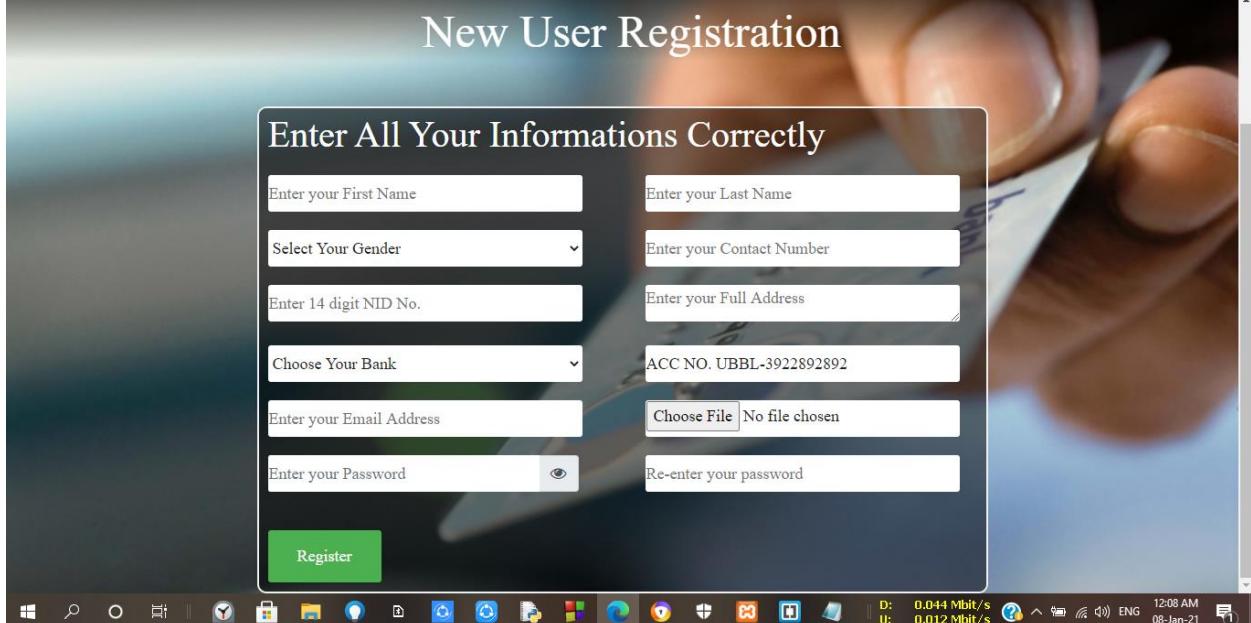
localhost/UniversalBank/user-register-page.php

New User Registration

Enter All Your Informations Correctly

| | |
|--------------------------|----------------------------|
| Enter your First Name | Enter your Last Name |
| Select Your Gender | Enter your Contact Number |
| Enter 14 digit NID No. | Enter your Full Address |
| Choose Your Bank | ACC NO. UBBL-3922892892 |
| Enter your Email Address | Choose File No file chosen |
| Enter your Password | Re-enter your password |

Register



localhost / 127.0.0.1 / ubanking Universal Bank - Register

localhost/UniversalBank/bank-register-page.php

UNIVERSAL BANK OF BANGLADESH

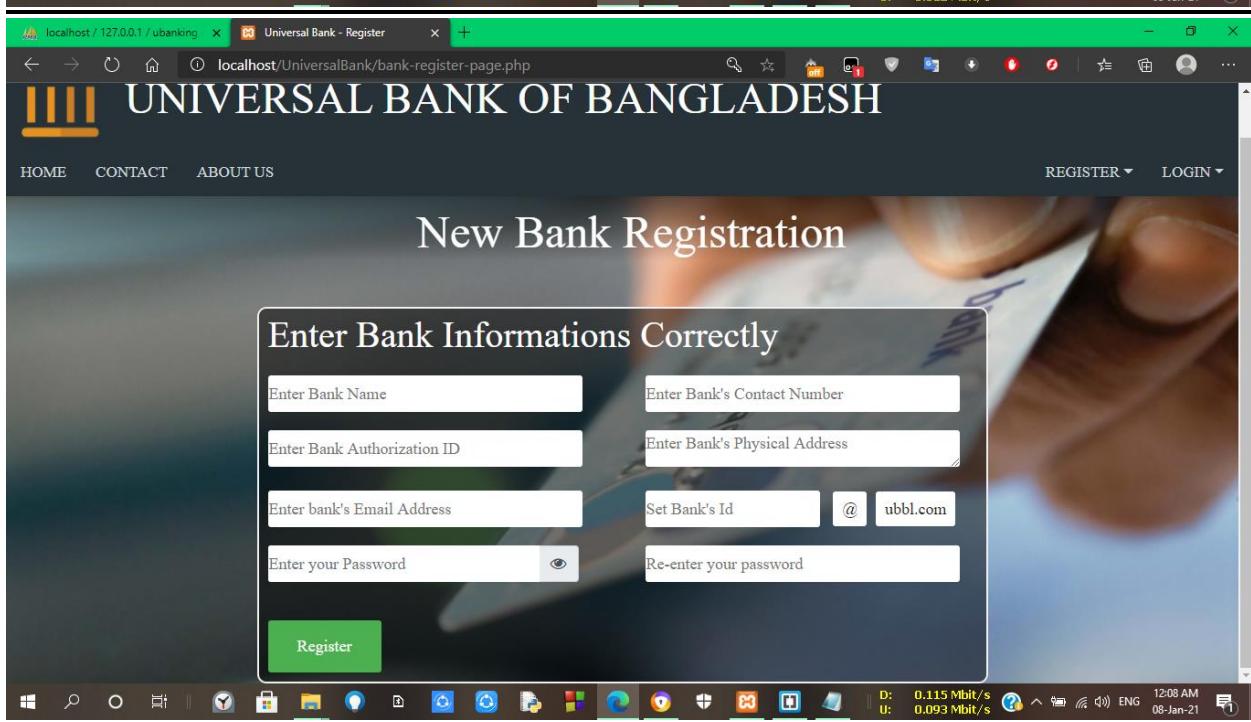
HOME CONTACT ABOUT US REGISTER LOGIN

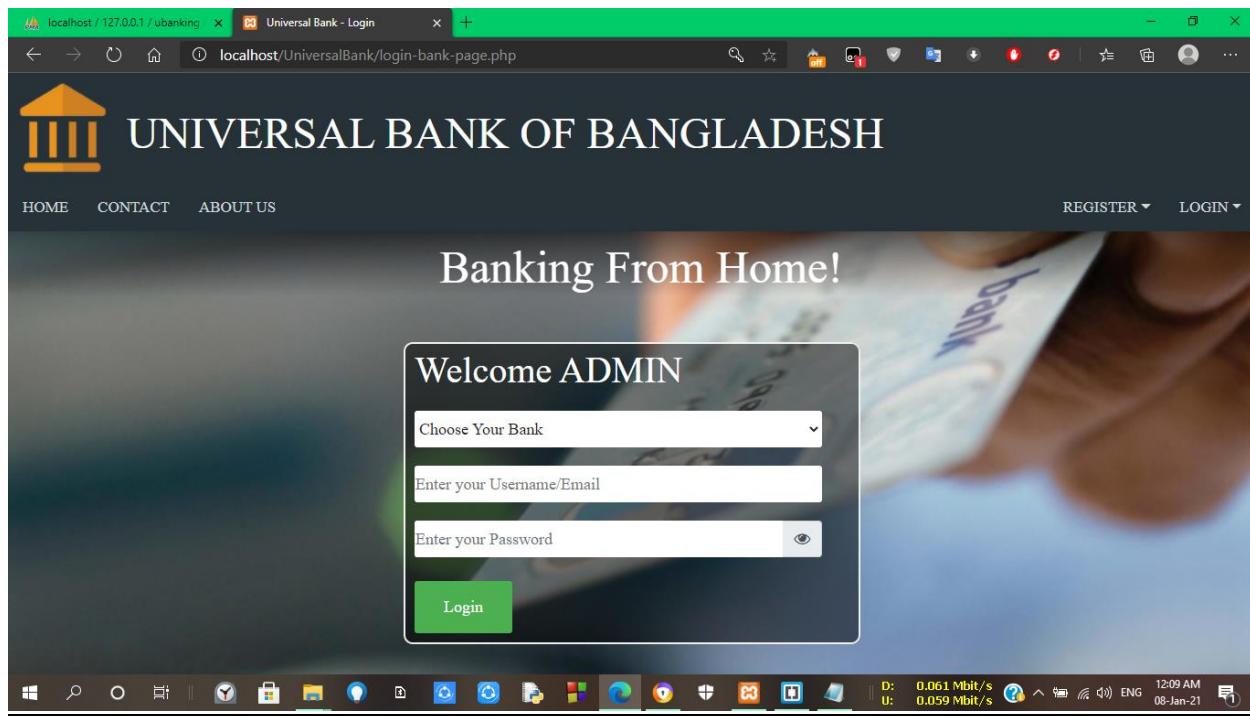
New Bank Registration

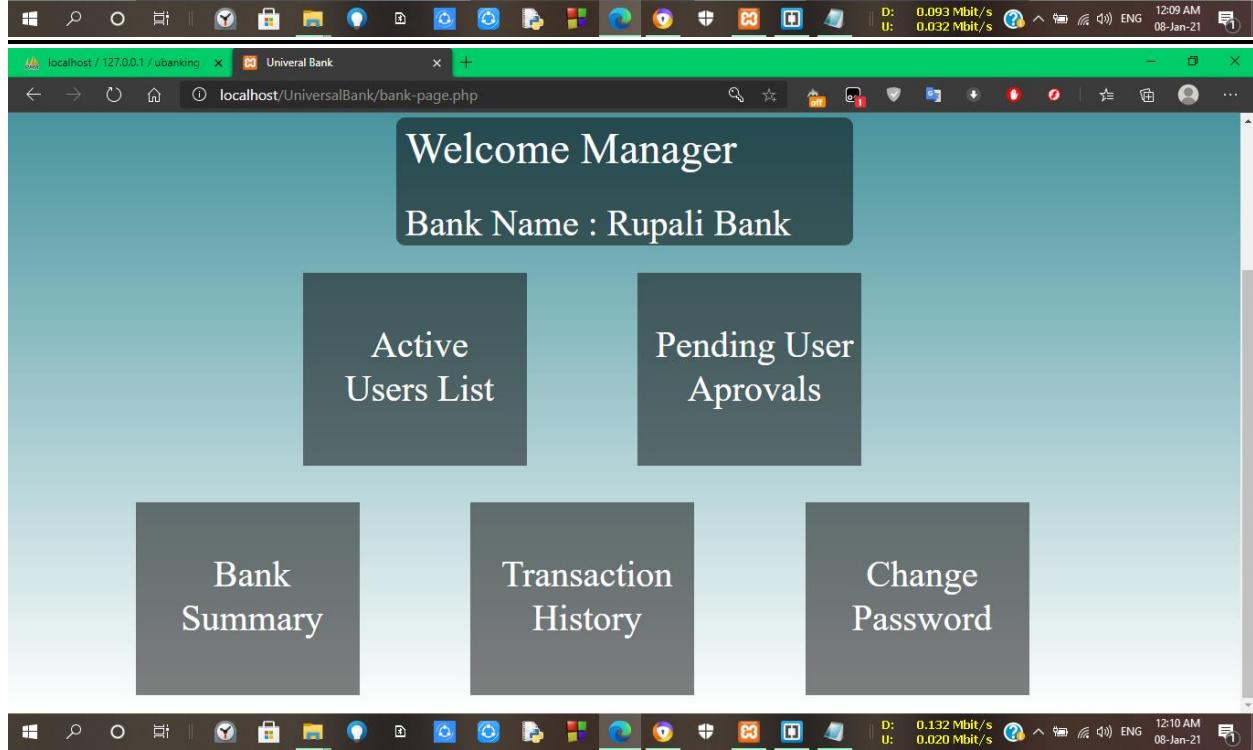
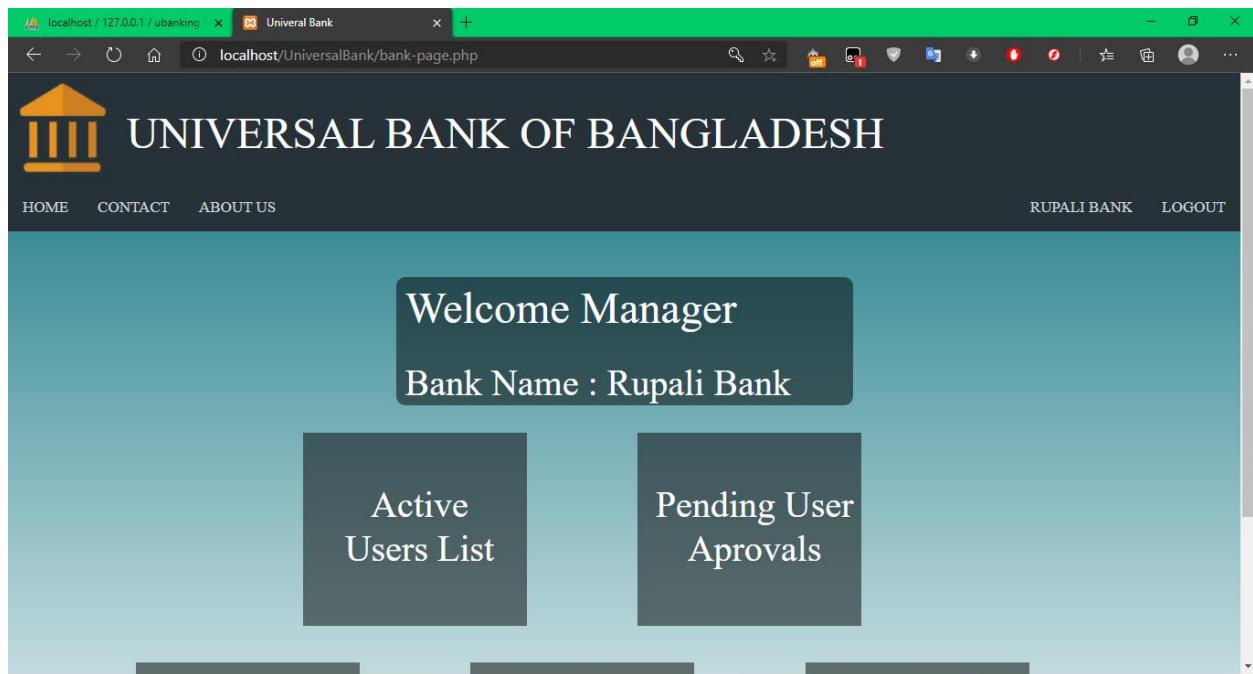
Enter Bank Informations Correctly

| | |
|-----------------------------|-------------------------------|
| Enter Bank Name | Enter Bank's Contact Number |
| Enter Bank Authorization ID | Enter Bank's Physical Address |
| Enter bank's Email Address | Set Bank's Id @ ubbl.com |
| Enter your Password | Re-enter your password |

Register







localhost / 127.0.0.1 / ubanking Universal Bank

UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US RUPALI BANK LOGOUT

Bank Name : Rupali Bank

All Active Users of Rupali Bank

| SLN | Picture | Full Name | Gender | Contact No | Email Address | National ID No | Account No. | Balance Status | Action |
|-----|---------|-----------------------|--------|-------------|-------------------|----------------|-----------------|----------------|----------------------------|
| 1 | | Md. Lutfullahil Labib | Male | 01911302979 | labib@gmail.com | 5535099997 | UBBL-3266747851 | 150280 Active | Deactivate |
| 2 | | Shamimatal Shopnil | Female | 01334567890 | shopnil@gmail.com | 5535099997 | UBBL-1294837799 | 6700 Active | Deactivate |

localhost / 127.0.0.1 / ubanking Universal Bank

JANATA BANK

HOME CONTACT ABOUT US JANATA BANK LOGOUT

Welcome Manager

Bank Name : Janata Bank

Active Users List

Pending User Aprovals

Bank Transaction Change

localhost/UniversalBank/inactive-users.php

D: 0.948 Mbit/s U: 0.057 Mbit/s 12:10 AM 08-Jan-21

localhost/UniversalBank/bank-page.php

D: 0.275 Mbit/s U: 0.095 Mbit/s 12:12 AM 08-Jan-21

localhost / 127.0.0.1 / ubanking x Universal Bank x +

localhost/UniversalBank/inactive-users.php



UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US JANATA BANK LOGOUT

Bank Name : Janata Bank

| SLN | Picture | Full Name | Gender | Contact No | Email Address | National ID No | Account No. | Balance | Action |
|-----|---|----------------------|--------|-------------|------------------|----------------|-----------------|---------|--------------------------|
| 1 |  | Al-Amin Islam Hridoy | Male | 01521326125 | hridoy@gmail.com | 5535099997 | UBBL-2342245191 | 0 | Activate |

localhost / 127.0.0.1 / ubanking x Universal Bank x +

localhost/UniversalBank/bank-status.php



RUPALI BANK

HOME CONTACT ABOUT US LOGOUT

Bank Name : Rupali Bank

Bank Summary

| | |
|------------------------|-------------------------------|
| Bank Authorization No. | : 93874562389475 |
| Physical Address | : 34 Dilkusha C/A, Dhaka-1000 |
| Contact | : 01521569950 |
| Email Address | : rupalibank@gmail.com |
| Active Status | : <i>Active</i> |
| Current Balance | : 156980 BDT |

localhost / 127.0.0.1 / ubanking Universal Bank

UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US RUPALI BANK LOGOUT

Bank Name : Rupali Bank

Transactions from this Bank

| SLN | Name | Account No | Bank | Amount | Transaction Type | Target Account | Target Bank |
|-----|-----------------------|------------|-------------|--------|------------------|----------------|-------------|
| 0 | Shamimatul Shopnil | 1294837799 | Rupali Bank | 100 | withdraw | | |
| 1 | Shamimatul Shopnil | 1294837799 | Rupali Bank | 10000 | deposit | | |
| 2 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 100000 | deposit | | |
| 3 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 500 | deposit | | |
| 4 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 2000 | withdraw | | |
| 5 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 4000 | transfer | 1294837799 | Rupali Bank |
| 6 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 55000 | deposit | | |
| 7 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 520 | withdraw | | |
| 8 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 3700 | transfer | 7953493769 | World Bank |
| 9 | Shamimatul Shopnil | 1294837799 | Rupali Bank | 2500 | transfer | 2282156822 | Swiss Bank |

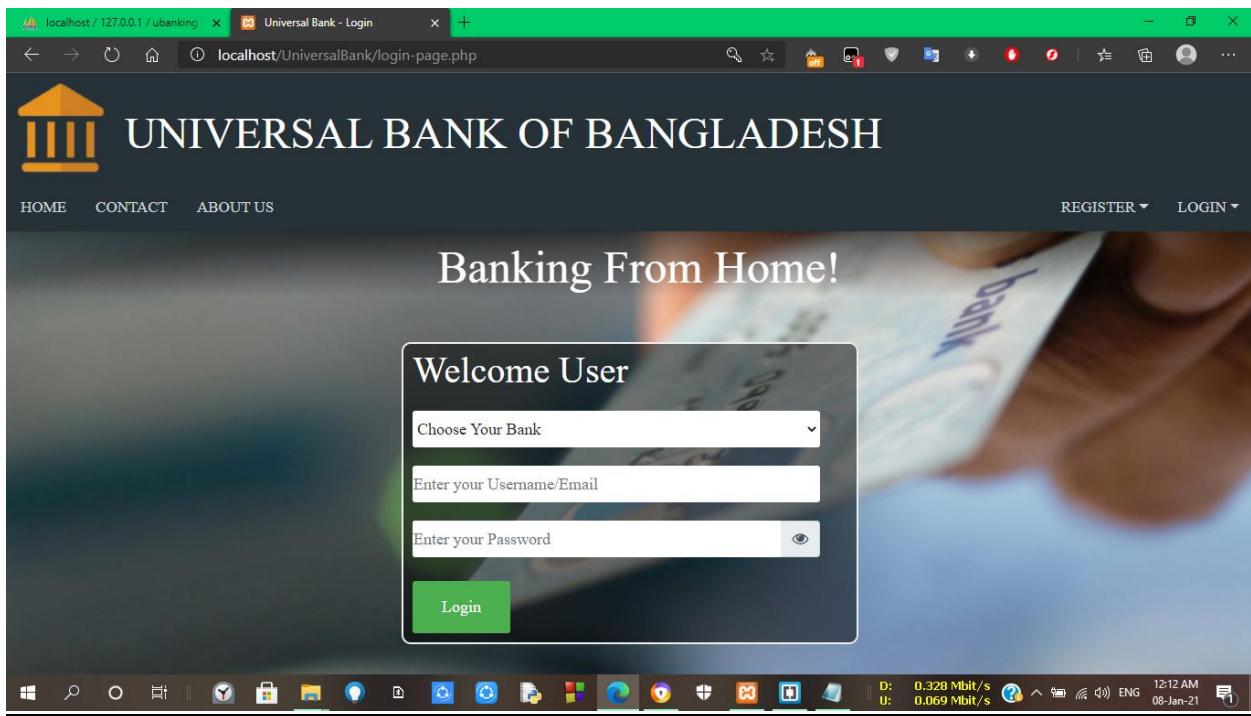
localhost / 127.0.0.1 / ubanking Universal Bank

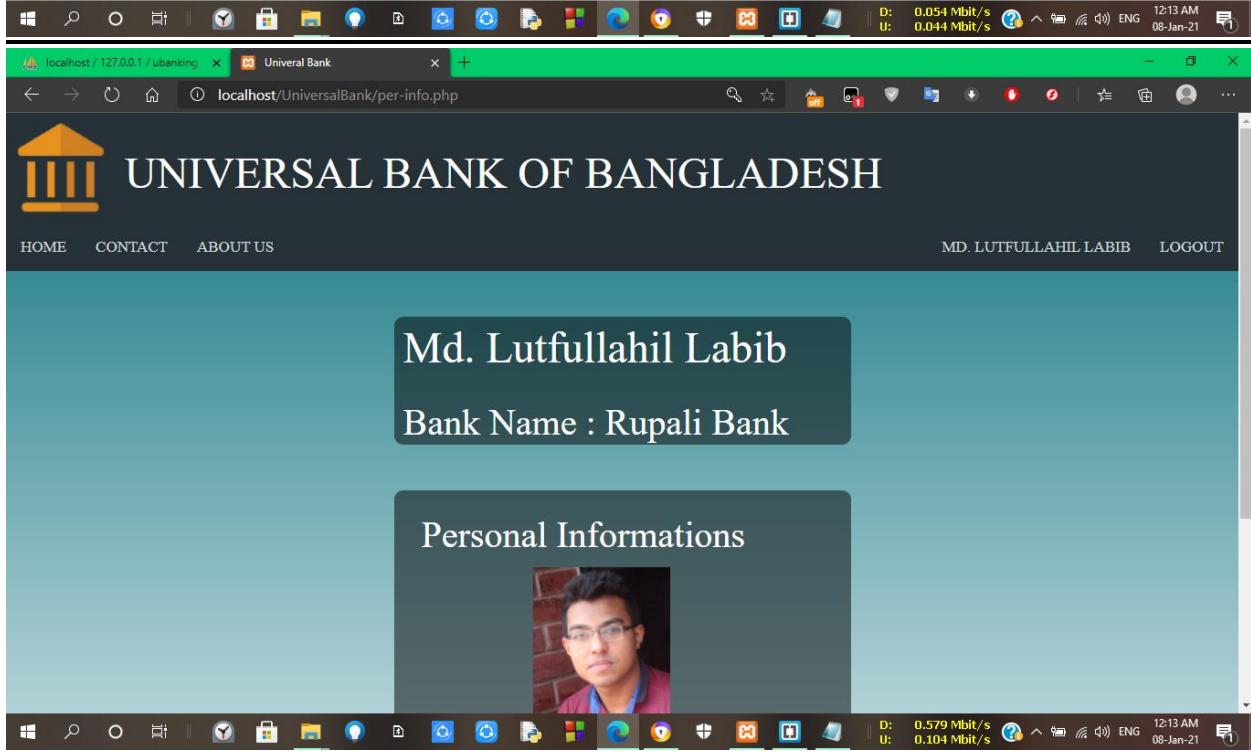
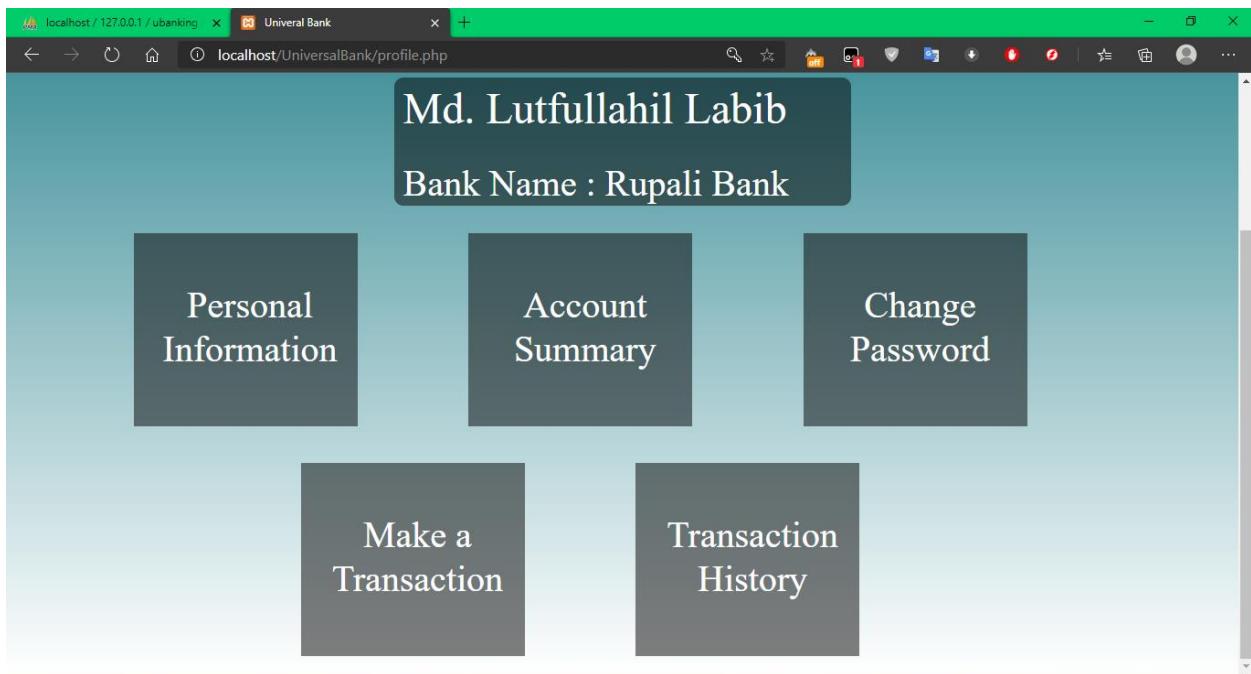
UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US RUPALI BANK LOGOUT

Bank Name : Rupali Bank

Change Password





localhost / 127.0.0.1 / ubanking Universal Bank localhost/UniversalBank/per-info.php

Bank Name : Rupali Bank

Personal Informations



Full Name: Md. Lutfullahil Labib
Gender : Male
Contact : 01911302979
Address : Madartek, Bashabo
NID No : 5535099997

D: 0.057 Mbit/s U: 0.082 Mbit/s 12:13 AM ENG 08-Jan-21

localhost / 127.0.0.1 / ubanking Universal Bank localhost/UniversalBank/acc-info.php

UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US MD. LUTFULLAHIL LABIB LOGOUT

Md. Lutfullahil Labib

Bank Name : Rupali Bank

Account Summary

Account No. : 3266747851
Account Status : **Active**
Current Balance: 150280 BDT

D: 0.173 Mbit/s U: 0.086 Mbit/s 12:13 AM ENG 08-Jan-21

localhost / 127.0.0.1 / ubanking Universal Bank

HOME CONTACT ABOUT US MD. LUTFULLAHIL LABIB LOGOUT

Md. Lutfullahil Labib
Bank Name : Rupali Bank

Change Password

Enter Old Password
Enter New Password
Confirm New Password

Submit

localhost / 127.0.0.1 / ubanking Universal Bank

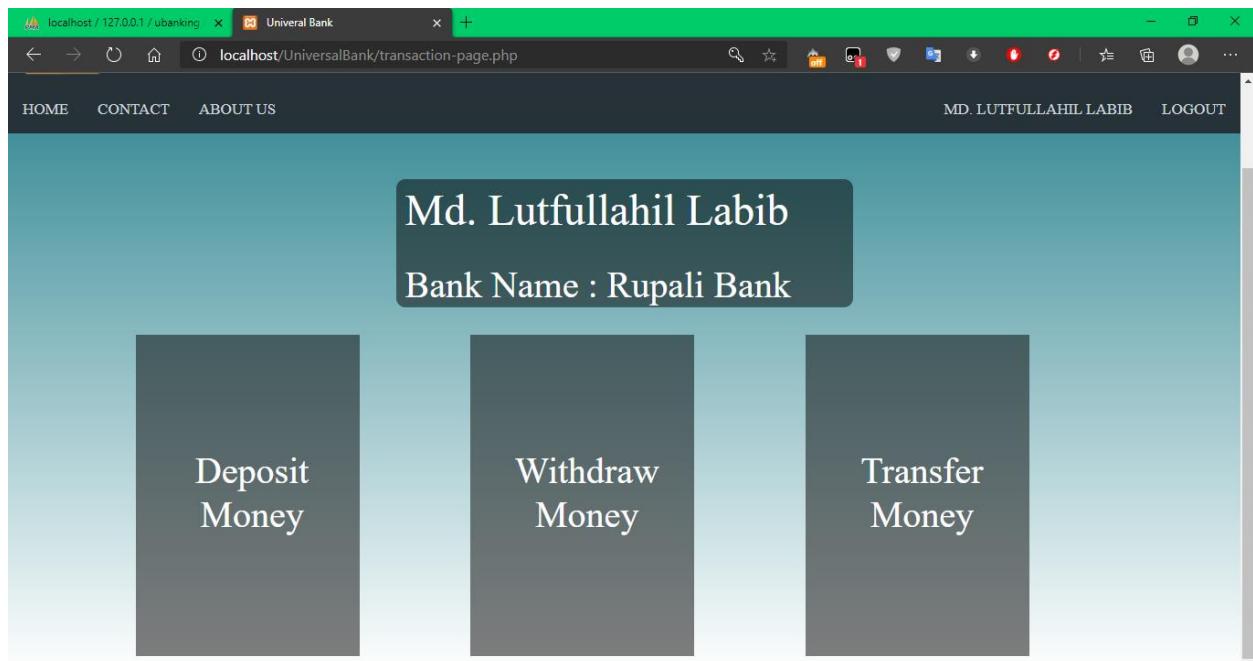
HOME CONTACT ABOUT US MD. LUTFULLAHIL LABIB LOGOUT

UNIVERSAL BANK OF BANGLADESH

Bank Name : Md. Lutfullahil Labib

Your Transactions

| SLN | Name | Account No | Bank | Amount | Transaction Type | Target Account | Target Bank |
|-----|-----------------------|------------|-------------|--------|------------------|----------------|-------------|
| 0 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 100000 | deposit | | |
| 1 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 500 | deposit | | |
| 2 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 2000 | withdraw | | |
| 3 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 4000 | transfer | 1294837799 | Rupali Bank |
| 4 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 55000 | deposit | | |
| 5 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 520 | withdraw | | |
| 6 | Md. Lutfullahil Labib | 3266747851 | Rupali Bank | 3700 | transfer | 7953493769 | World Bank |



localhost / 127.0.0.1 / ubanking Universal Bank - Transaction

localhost/UniversalBank/withdraw.php

UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US MD. LUTFULLAHIL LABIB LOGOUT

Banking From Home!

Withdraw Money

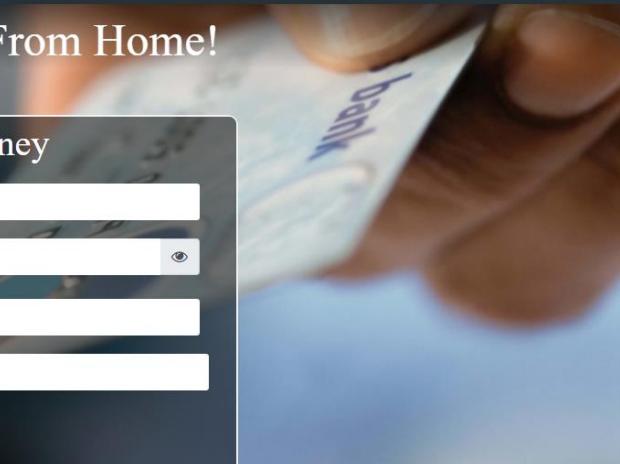
Enter your Username/Email

Enter your Password

Total Amount in BDT

Enter your (secret) 4 digit PIN

Withdraw



D: 0.201 Mbit/s U: 0.076 Mbit/s 12:14 AM ENG 08-Jan-21

localhost / 127.0.0.1 / ubanking Universal Bank - Transaction

localhost/UniversalBank/transfer.php

Banking From Home!

Transfer Money

Enter your Username/Email

Enter your Password

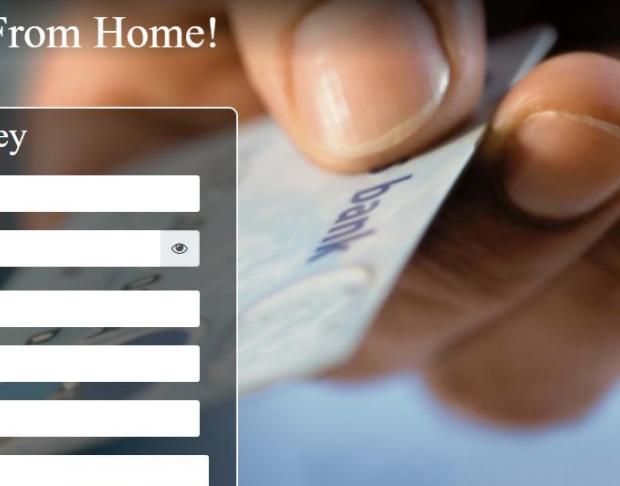
Total Amount in BDT

Target Account Number

Target Bank Name

Enter your (secret) 4 digit PIN

Transfer



D: 0.110 Mbit/s U: 0.041 Mbit/s 12:14 AM ENG 08-Jan-21

localhost / 127.0.0.1 / ubanking Universal Bank

localhost/UniversalBank/acc-info.php

UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US AL-AMIN ISLAM HRIDOV LOGOUT

Al-Amin Islam Hridoy

Bank Name : Janata Bank

localhost / 127.0.0.1 / ubanking Universal Bank

localhost/UniversalBank/transaction-page.php

UNIVERSAL BANK OF BANGLADESH

HOME CONTACT ABOUT US AL-AMIN ISLAM HRIDOV LOGOUT

Al-Amin Islam Hridoy

Bank Name : Janata Bank

Wait till your account is activated to Start making Transactions

localhost / 127.0.0.1 / ubanking Universal Bank - Register Google Search

HOME CONTACT ABOUT US REGISTER LOGIN

New Bank Registration

Enter Bank Informations Correctly

Swiss Bank 01552665744
141414141414 Enter Bank's Physical Address
swissbank@gmail.com swiss @ ubbl.com
Enter your Password Re-enter your password

Register

Swiss Bank has been registered as a Bank of UBBL!
Please Go to the Bank Login option for logging in!

localhost / 127.0.0.1 / ubanking Universal Bank - Register

HOME CONTACT ABOUT US REGISTER LOGIN

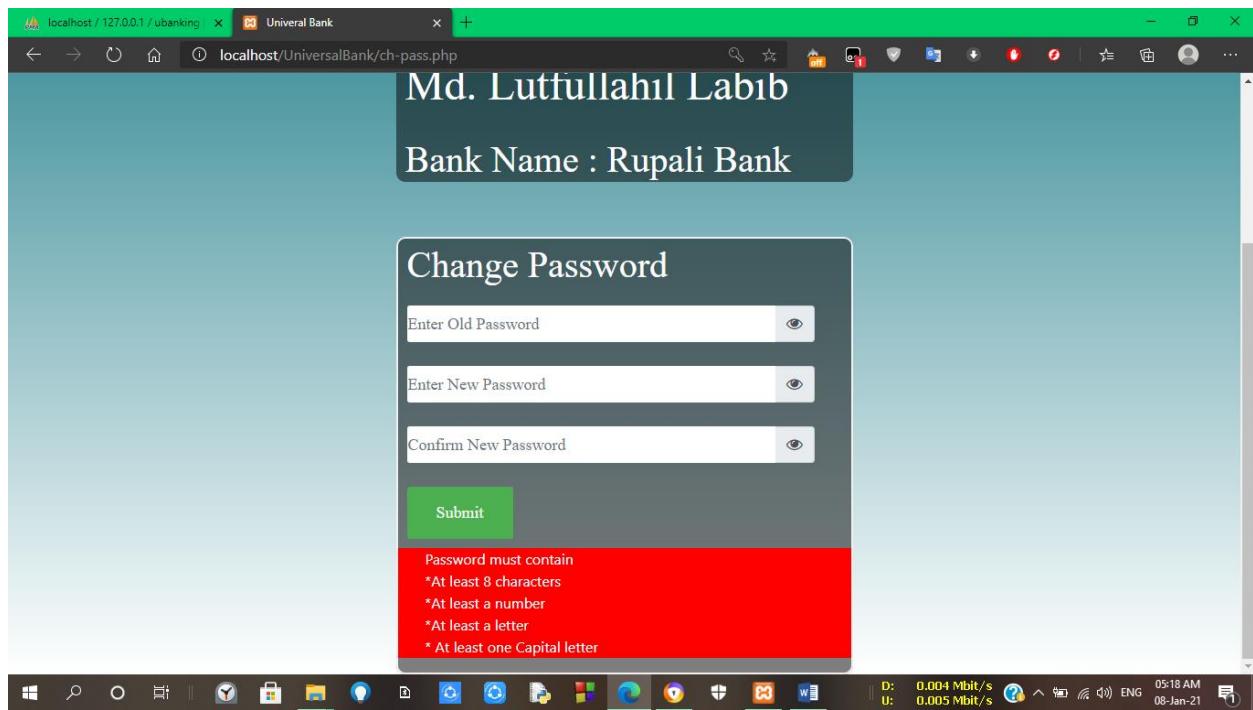
New Bank Registration

Enter Bank Informations Correctly

Bangladesh Bank 01511302988
12345678901234 Enter Bank's Physical Address
bangladeshbank@gmail.com bb @ ubbl.com
Enter your Password Re-enter your password

Register

Bangladesh Bank has been registered as a Bank of UBBL!
Please Go to the Bank Login option for logging in!



Conclusion: A reliable banking system is very important for our life. Often it will be tough for user for each bank they have to login in each system, which will take much time of them. Through this system banking will be easier to user, will save their time. We hope our web-app will save their time and hassle of for each bank have to login in separate system, also will be benefited for by it.