American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation
Project Report
Summer 2021-22

Project Title: Banking Management System
Section: L
Group No: 5

Student Name	Student Id
AFTAB, RAKIN SAD	20-41991-1
HAMIM, SULTANUL ARIFEEN	20-42017-1
MAHBUB, SAJID IBNA	20-42109-1
HAQUE, TAHAMIDUL	20-42139-1

Banking Management System

Introduction➔

Banking or financial sites are revolutionizing the banking sector in Bangladesh. Banking sites are used to conduct a range of financial transactions through the financial institution's website. It connects the core banking system operated by a bank to provide customers access to banking services in place of traditional branch banking. We are doing this project to be a part of this revolution and earn first-hand experience in the web technologies related to banking which is an integral part of software engineering. Thorough this, in dept idea regarding backend and the front end can be achieved. Furthermore, we can get knowledge about how to build a secure web application that is user-friendly in every aspect.

Background Study➔

As a reference, we took City Bank as our ideal web page. It is a well-designed website that has everything a user commands whenever needed. It has all the needed information and operations organized. It gives a premium user experience and ensures all the services to users online. For study purposes, we logged in using an existing account to have a user experience for ourselves to get better background knowledge about the banking website.

Requirement Analysis➔

1. **User Category:** There are 4-types of Users here. They are:

- Admin
- Manager
- Employee
- User

2. **Feature List:**

Common features for all user:

1. User registration.
2. Users can sign-in & sign-out from the system.
3. Users can view his/her profile.
4. Users can update his/her profile.
5. Users can change password.

Banking Management System

In this project the "**Admin**" has the following features:

- Can add new functionality of the system.
- Can delete old functionality of the system.
- Access on hole website.
- Can verify user data.
- Can delete user's account.
- Can edit manager & employee's account.
- Can search user.
- Can delete user history.
- Can manipulate website information.
- Can post notice or announcement.
- Can view user data base.
- Can view user's transection history.

In this project the "**Manager**" has the following features:

- Manage deposit & withdrawal.
- Enable loan for customer.
- Customer information. (Add + Delete + Update + View)
- Employee information. (Add + Delete + Update + View)
- Manage accounts.
- Process customer request.
- Enable utilities.
- Issue debit & credit card.
- Can view work hour of the employees.
- Transfer funds.
- Search employee and Customer information.
- Can view user's transection history.

Banking Management System

In this project the "**Employee**" has the following features:

- Can view customer information.
- Can view customers' accounts.
- Can open or close accounts.
- Can manage the fixed deposited.
- Managing customers bank accounts.
- Can manage customers transitions.
- Can manage debit and credit.
- Can handle inquiries.
- Handle the currency exchange.
- Resolving client queries and complaints.
- Can authorizing loans to the customers.

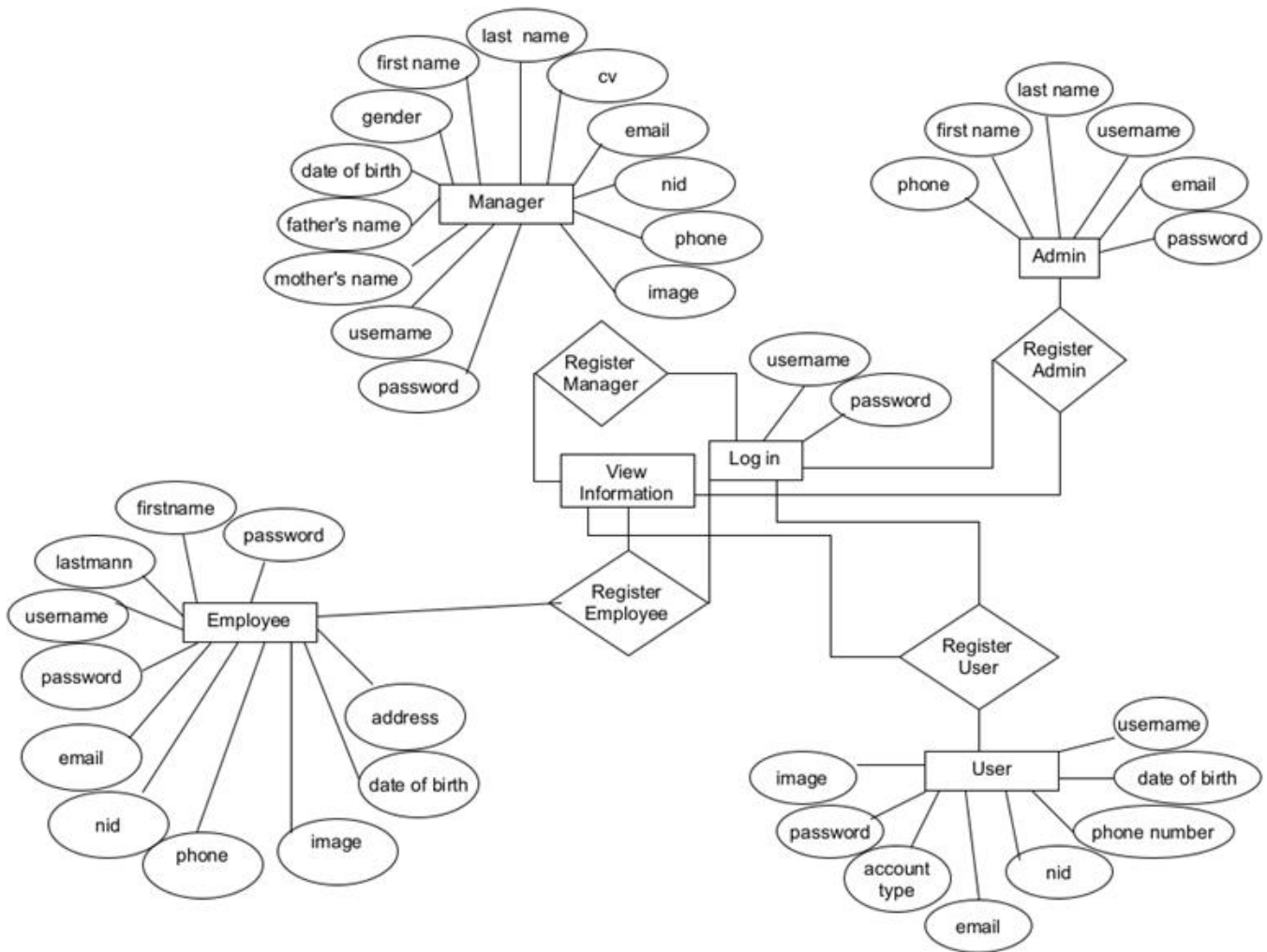- Overseeing ATM deposits and withdrawals.

In this project the "**User**" has the following features:

- Can open a bank account.
- Can select account type.
- View account balance.
- Can deposit money.
- Can transfer money.
- Transfer funds to all related bank accounts.
- Check unclear or due money status.
- Utility bill payment through the system.
- Add money through bank to card.
- Can view transection history.
- Be able to enjoy the benefits of iBanking services.

- Can take loan services.
- .

Banking Management System

Entity Relationship Diagram➜

Entity diagram of our project

Banking Management System

Tools Used➔

To develop this project, we have used the following:

-     Xampp Control Panel as server
-     VS Code
-     Browser as clint

Impact of this Project➔

In our day-to-day life banking system is most useful and important thing in economical world. The project entitled "City bank management system" is a web-based application used for paying financial institutions for the services they provide in the bank. It is basically a computerized telecommunications device that provides the customers of a financial institution with access to financial transactions in a public space without the need for a human clerk or bank taller (manpower). It will use to solving the financial applications of a customer in banking environment in order to nurture the needs of an end banking user by providing various ways to perform banking tasks. The banking system are used manual working but when we used online banking system it is totally virtualization process which avoid manual process and converts it in automatic process. If user can make a transaction in bank management system it is available in anywhere also user can link nid with account, change branch location easily. Bank management system is saving the time with accuracy than bank manual system.

Limitations and Possible Future Improvements➔

Limitations:

- Financial Jargon
- Inability to Handle Complex Transactions.
- All the manual entry and editing will take more time
- No level of clearance for the different levels of employees
- Less security of customer and bank information

Possible Future Improvements:

Make it more user friendly
Connect this app with international fanatical app like PayPal
Apply different levels of security to secure the information's -➔

- Add Real-time ID verification
- Add Selfie capture and verification
- Add Device verification
- Add Facial and fingerprint biometrics
- add midchannel capability (in-branch, mobile app, website)

American International University-Bangladesh (AIUB)

Banking Management System

CO1.1 and CO2.1 Evaluation: Project Report Evaluation					
Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)