Project Proposal (Group A)

CSE 311L

Database Management System

Section 09

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North South University

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Project Name

Bank Management System (BMS)

Introduction

Bank Management System or BMS is a web-based application that enables bank employees to keep track of their work including work time, salary, and superior's data. In addition, it also assists in keeping records of customers like transactions, account type, bank balance and much more. BMS provides security measures for both the customers and employees. An individual will be able access his/her data only after some credentials like email and password have been confirmed for the customer side, and employee id and password have been confirmed for the employee side.

Possible Features

1. Sign In – The Sign In page uses credentials like email and password for the determination of the accessibility of an individual customer. In case of an employee, the employee's credentials like employee ID and password are necessary.

2. Sign Up – The Sign-Up page allows an individual to create a new account on the server. Customers can register for a new account. Whereas, employees can register to track their work data.

3. Employee Page – The employee page will have options for profile data retrieval, work details retrieval, and work tracked data retrieval.

4. Customer Page – The page enables a customer to see his/her profile, account details, transactions, and also provide the facility to send some amount of money to another account using the email address of the receiver.

5. Transactions – The transactions will have a unique transaction ID that will automatically be generated by the system itself. And it will keep records of the date when the transaction is performed along with the amount that has been sent.

6. Work Tracking System – The work tracking system is a feature for the employee page that will keep track of the time worked by the employee. It will keep records like date, sign in time and sign out time. Additionally, it will calculate the time worked on a session and display the time in hours. It will also calculate the average worked hours per week.

Software and IDEs

1. Atom IDE or Sublime IDE
2. Xampp
3. MySQL
4. Git and GitHub

Technologies

1. HTML
2. CSS
3. JavaScript
4. PHP

Proposed Timeline

Objectives	Tentative Dates
Entity Relationship Diagram and Mapping	September 18
Sign In and Sign Up Page	September 19
Employee Page	September 22
Customer Page	September 24
Transaction Functionalities	September 26