

American International University- Bangladesh

CSC 4261: Advanced Programming in Web Technology

CO1 Evaluation

Project Report

FALL 23-24

Project Title: Mobile Banking Management

Project Domain: Financial Technology

Group Number: 3

Section: C

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Introduction:

The Mobile Banking Management project is a comprehensive system designed to streamline banking operations through mobile devices. It allows users to perform various banking tasks such as fund transfers, bill payments, account inquiries, and more, all conveniently from their smartphones or tablets. This project aims to enhance accessibility, efficiency, and security in banking services, catering to the modern digital age.

Problem Analysis

The Mobile Banking Management project faces several key challenges that require thorough analysis. Firstly, ensuring robust security measures to safeguard sensitive financial information from cyber threats is paramount. Additionally, addressing compatibility issues across various mobile platforms and devices to ensure a seamless user experience poses a significant technical hurdle. Moreover, managing scalability to accommodate a growing user base while maintaining system reliability and performance demands careful planning. Lastly, overcoming regulatory compliance requirements and navigating potential legal complexities adds another layer of complexity to the project.

Feature Analysis:

1. User Category:

There are n-types of Users here. They are:

(4 users)

* **Individual Users (General Consumers)**
* **Merchants/Business Owners**
* **Agents**
* **Admin**

1. Feature List:

In this project the “**Individual Users (General Consumers)**” has the following features:

(**20 feature per user)**

* View/ able to see
* Add/create/insert
* Update/modify
* Delete/erase/remove
* Wallet Management
* Peer-to-Peer Transfers
* Bill Payments
* Savings Plans.
* Transactional history
* Linked to a bank
* Auto payouts
* Online credit/loans
* Quick Pay
* Emergency Fund Access
* Digital Receipts
* Chatbot Assistance

In this project the “**Merchants/Business Owners**” has the following features:

* Merchant Account
* Payment Gateway Integration
* Business Insights.
* Loyalty Programs
* Reward Points.
* Quick Checkout
* Sales Dashboard
* Customer Feedback

In this project the “**Agents**” has the following features:

* Agent Portal
* Commission Tracking.
* Money Management
* Training & Support.
* Instant Notifications
* Quick Balance Check.

In this project the “**Admin**” has the following features:

* View/ able to see
* Add/create/insert
* Update/modify
* Delete/erase/remove
* User Management.
* Transaction Monitoring
* Customer Support.
* Feature N.

Design:

Draw a Use Case diagram of your project here.

Draw a ER diagram of your project here.

Tools Used:

To develop this project, we have used the following:

• Tool 1

• Tool 2

• .

• .

• .

• Tool N

System Images against the Specification:

Give few screen shots of some User Interfaces/MOCKUPs using UI creator tool such as Figma, Draw.IO, etc and write a very small description for each of the User Interfaces. (minimum 8 different mock ups)

Impact of this Project:

The Mobile Banking Management project promises to revolutionize the banking industry by significantly enhancing customer convenience and accessibility. It enables users to conduct banking transactions anytime, anywhere, leading to greater financial empowerment and flexibility. By reducing dependency on physical branches, the project fosters financial inclusion, especially in underserved areas. Moreover, streamlined processes and improved efficiency translate into cost savings for both banks and customers. Overall, the project's impact extends beyond convenience, reshaping the banking landscape to better meet the needs of the digital age

Limitations and Possible Future Improvements:

One limitation of the Mobile Banking Management project lies in its dependency on stable internet connectivity, which may hinder accessibility in remote or low-connectivity areas. Future improvements could involve implementing offline functionalities for basic transactions, thus mitigating this issue. Additionally, enhancing user interface designs for better accessibility and inclusivity, especially for elderly or differently-abled users, can improve overall user experience. Integration of advanced biometric authentication methods and AI-driven personalized banking services could further enhance security and customer satisfaction, paving the way for a more seamless banking experience

*[Note: Make sure that your report is maximum 10 pages (including cover page). Print (Colored) the report and submit it with spiral bind.]*

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| CO1 Evaluation: Project Report Evaluation | | | |
| Problem  Analysis  (5) | Use Case  Diagram  (5) | ER  Diagram  (5) | Total (15) |
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