



Islamic University of Technology

Board Bazar, Gazipur, Dhaka, 1704, Bangladesh

Project Proposal

CSE 4410 - DBMS-II-LAB

Bank Management System

Team TableDropped

BSc in Software Engineering

Dept of Computer Science and Engineering

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Acknowledgments

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Chapter 1

Project Overview

1.1 Overview

Our project aims to bring traditional banking services into the digital age by leveraging a structured relational database management system. Using technologies like Oracle for database management and Java for programming, we're creating a user-friendly platform that combines the reliability of traditional banking with the convenience of modern technology.

1.2 Features

1. **User Authentication:** Allows users to securely log in to their accounts using unique credentials, ensuring only authorized access.
2. **Account Management:** Enables users to create, update, and delete their accounts, providing control over their banking profiles.
3. **Transaction Processing:** Facilitates the seamless execution of financial transactions such as deposits, withdrawals, and fund transfers.
4. **Account Balance and Statements:** Provides users with real-time access to their account balances and generates detailed statements for transaction history.
5. **Loan Management:** Offers functionalities to manage loan applications, approvals, and repayments

1.3 Tools and Technology

1.3.1 Programming Language

We have opted for Java as our programming language due to its versatility and efficiency. Java is well-suited for developing robust and scalable applications, making it an ideal choice for our comprehensive system.

1.3.2 Working Environment (IntelliJ IDEA)

IntelliJ IDEA is chosen as our working environment due to its comprehensive set of tools and features for Java development. It provides an integrated development environment (IDE) that facilitates coding, debugging, and collaboration, streamlining the development process.

1.3.3 Database (Oracle)

Oracle will serve as our database for this project. This choice was made based on the project's requirements and scale.

1.3.4 Version Control (Git on GitHub)

Git, coupled with GitHub, will be our version control system. This allows each team member to have their own workspace, promoting collaborative development. Git's branching and merging capabilities will aid in organizing changes, tracking modifications, and ensuring a coherent and organized development process.

1.3.5 Project Management

Effective communication and coordination are crucial for project success. We have chosen Google Meet for regular video meetings and face-to-face discussions to ensure that all team members are on the same page. This approach fosters real-time collaboration, issue resolution, and progress updates.

Chapter 2

Project Planning

2.1 ERD

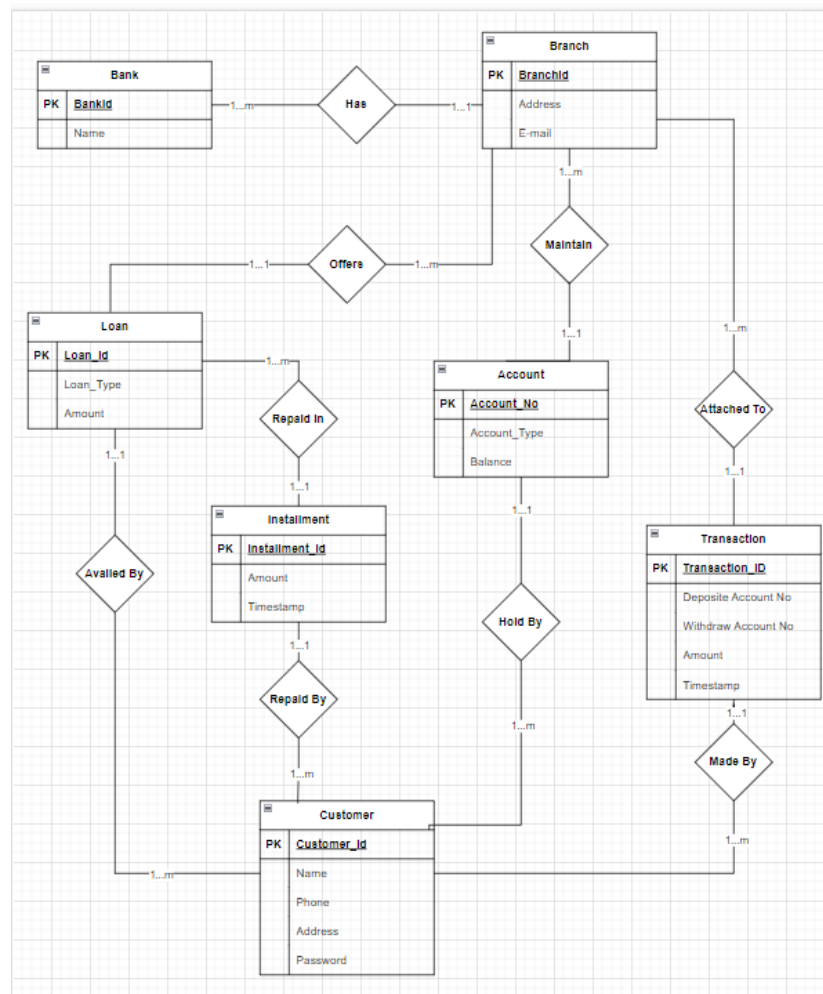


Figure 2.1: ERD