Project Statement

Domain: Java Programming

Project 3: Banking Operations using Java
Project Title: Simple Banking Application using JAVA

Project Objective:
The main objective of this project is to create a console-based Java application that performs basic banking operations such as deposit, withdrawal, and balance inquiry using loops, methods, conditional statements, and the Scanner class for input. This project helps beginners understand the application of Java fundamentals in solving real-world problems.

Technologies to Use:
- Programming Language: Java
- IDE: Eclipse / IntelliJ IDEA / NetBeans
- GUI Framework: Java Swing (or JavaFX)
- Database (Optional): Oracle Database / MySQL for storing account details
- JDK: Java Development Kit (latest version)

Tasks Breakdown:
1. Write a Java class with the main method to serve as the entry point of the application.
2. Declare and initialize variables to store account balance and transaction details.
3. Implement a menu-driven program using loops to repeatedly display banking options until the user exits.
4. Write a method to handle deposit operations and update the account balance.
5. Write a method to perform withdrawal, including validation to check sufficient balance before deduction.
6. Create a method to display the current balance whenever the user selects the option.
7. Add input handling with the Scanner class for user choices and transaction amounts.
8. Compile, run, and test the program thoroughly before final submission.

Submission:
Submit the project folder in ZIP file.
Submit the .java source file.
The ZIP will includes all files that used to create the project and Project Report PDF file.