# Database Programming Using Java

Course Id: ITC-5201 Batch Timing: 08:50-11:40

Team**: int Elligence;**

**Project: Bank Account Management System.**

1. **Project Description:**

In this project I develop a system that simulates bank account transactions. Through this system, the user should be able to add admin, remove admin, add banker, remove banker, open a customer account, delete customer account, view customer account, update customer account, view all customer accounts, view all bankers, view all admins, login as either admin, banker or customer, transfer money from customer a to customer b, view transaction history of a customer..

1. **Team Members:**

Samuel Arogundade (N01304773) [Team Leader]

1. **Targeted Audience:**

Bank

Software developer

Students

1. **Objectives:**

To simulate the working process of a bank account management system.

1. **Technical Consideration:**

### **Tools to be used**

1. Eclipse IDE to develop the project.
2. Oracle SQL developer for the database.

### **Front End and Back End**

1. **Front End:** Java FX
2. **Back End:** SQL
3. **Deliverables:**

* User friendly
* Easy to use
* Customer account creation
* Admin access
* Banker access
* Ability to view accounts of each customer in the database
* Insert, Update, Delete customer details

1. **Responsibilities:**

Complete creation of Admin, Banker and Customer section. which includes:

1. Admin, Banker and Customer login form and validation.

2. GUI creations.

3. Functionalities for adding, inserting, viewing and deleting data.

4. Storing data into database.

1. **Roles:**

Responsible for all Implementation of the project

1. **Time line:**

Week 5,6: developing Admin, Banker and Customer classes

Week 7: Creating GUI for developed classes.

Week8: Storing the data into files and performing validations.

Week9,10: Storing data into Database

Week 11: Displaying project as demo.

Week 12: final project submission.

1. **List Of features:**

Add Admin:

Insert into Admin

View Admin:

Delete Admin:

Add Banker: admin can add banker.

Insert into Banker: admin can insert into banker

View Banker: admin can view the banker

Delete Banker: admin can delete banker.

Add Customer: Banker can add a customer.

Insert into Customer

View Customer:

Delete Customer:

View all Customers:

Transfer money from Customer A to Customer B

Login as Admin, Banker and/or Customer

Password text for input of password

View Transaction History of a Customer