



Ain Shams University / Faculty of Engineering CSE Department

Object-Oriented Analysis and Design CSE221

Bank Management System

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Submitted To

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Abstract

This project is a bank system application which can be used by clients to perform their transactions. The program saves the profiles of all clients, so they can login to their accounts. Also, all transactions are saved so that clients can trace their activity and balance. The application is built in Java (using NetBeans). In this report, we will demonstrate the use case diagram, sequence diagram, class diagram (using Noun extraction), and state diagram.

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1. Use Case Diagram



Figure 1: Use Case Diagram

2. Sequence Diagram

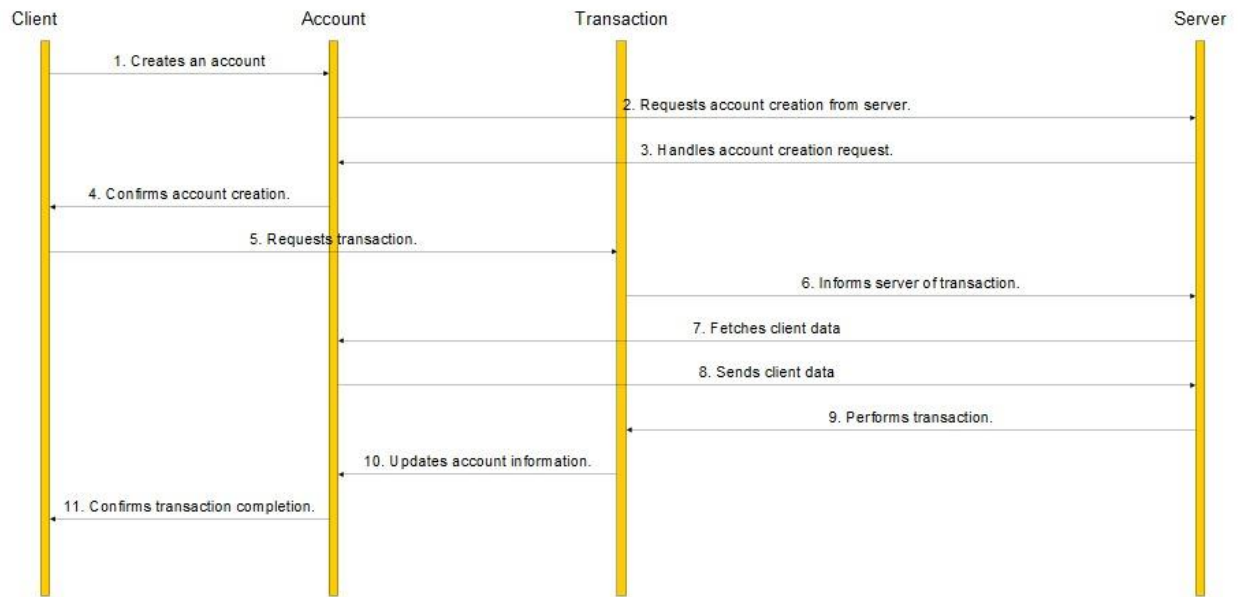


Figure 2: Sequence Diagram

3. Class Diagram

The software is a bank management system. Clients should be able to create/login to their accounts to do transactions such as withdrawal, deposit, balance inquiry, etc. Users need to sign up first in the homepage, then they will be transferred to their page in which they can perform their transactions.

Nouns: Clients, Accounts, Transactions, Client page, Home

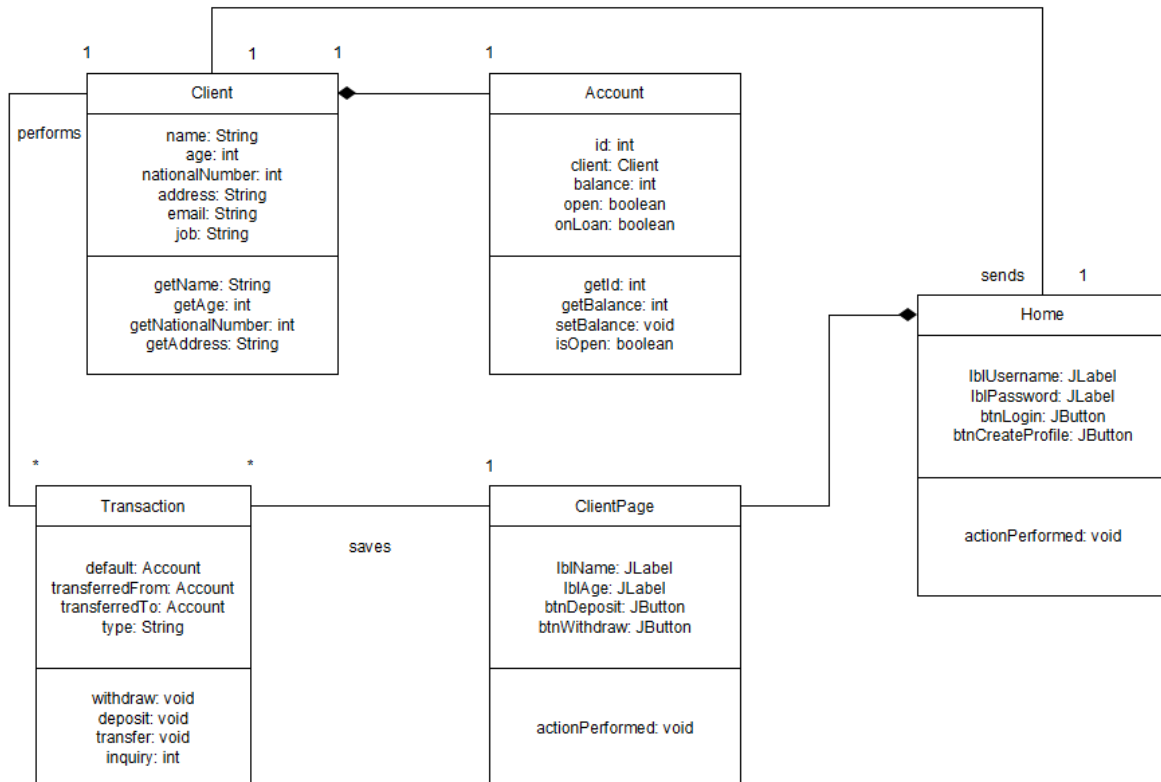


Figure 3: Detailed Class Diagram

4. State Diagram

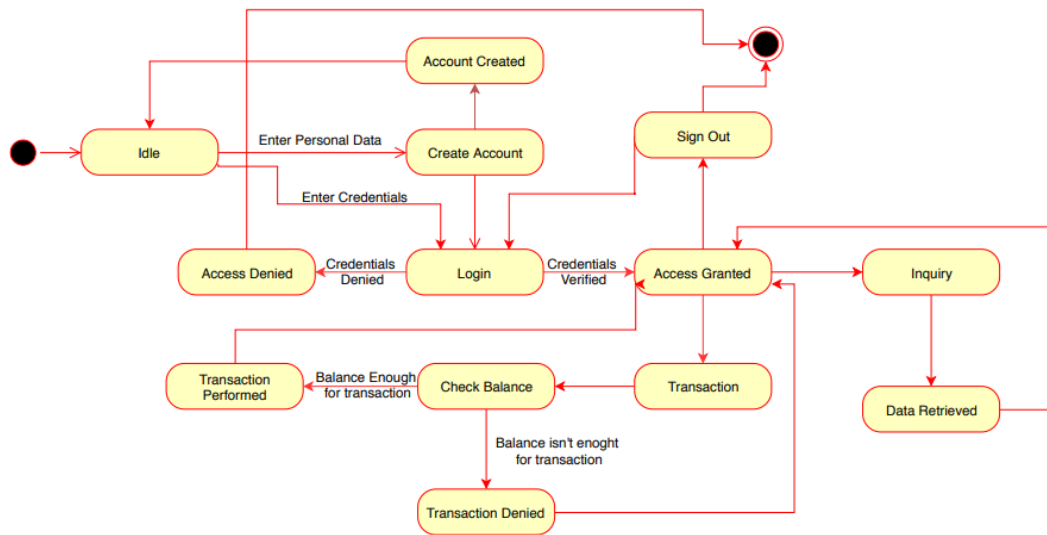


Figure 4: State Diagram