

System Design and Analysis

Group 7

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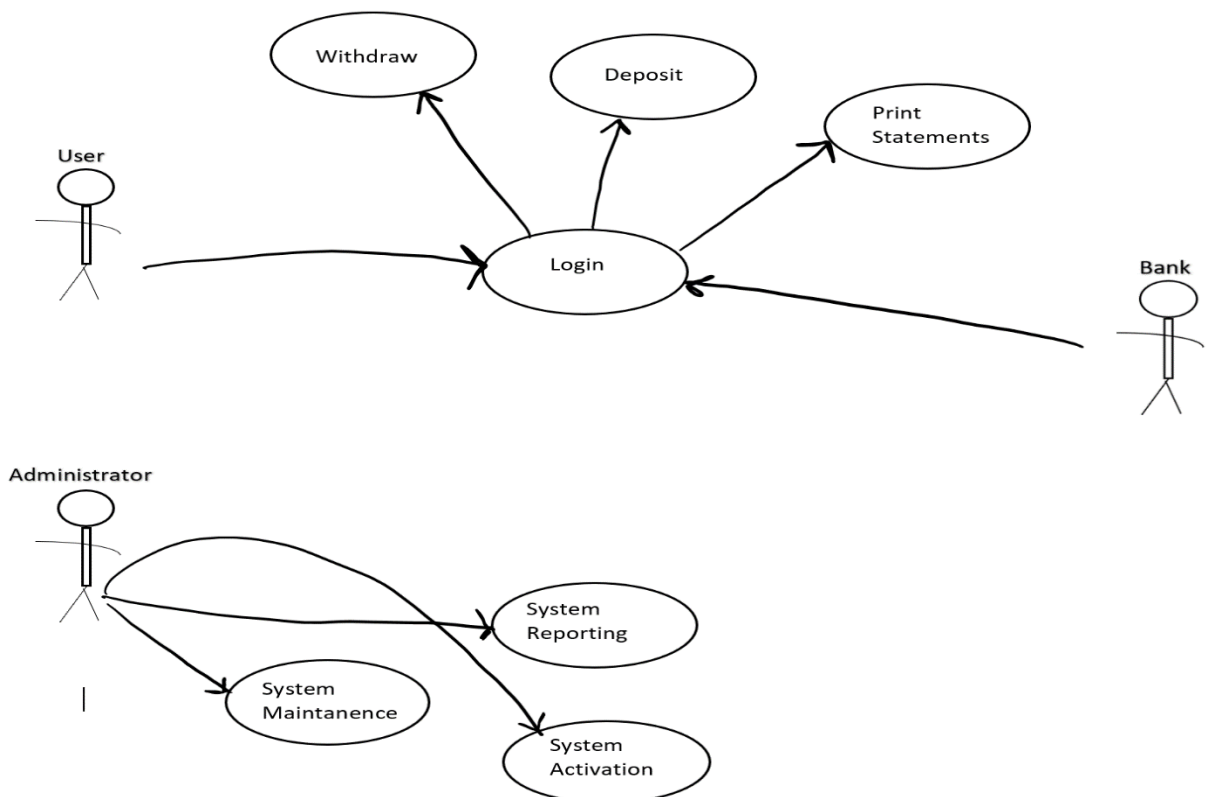
CSIS 3275-001 Software Engineering

- Defining components of the system
- Development of Use Case diagram
- Defining the database and schemas
- Description of the system architecture
- Project plan

Defining components of the system:

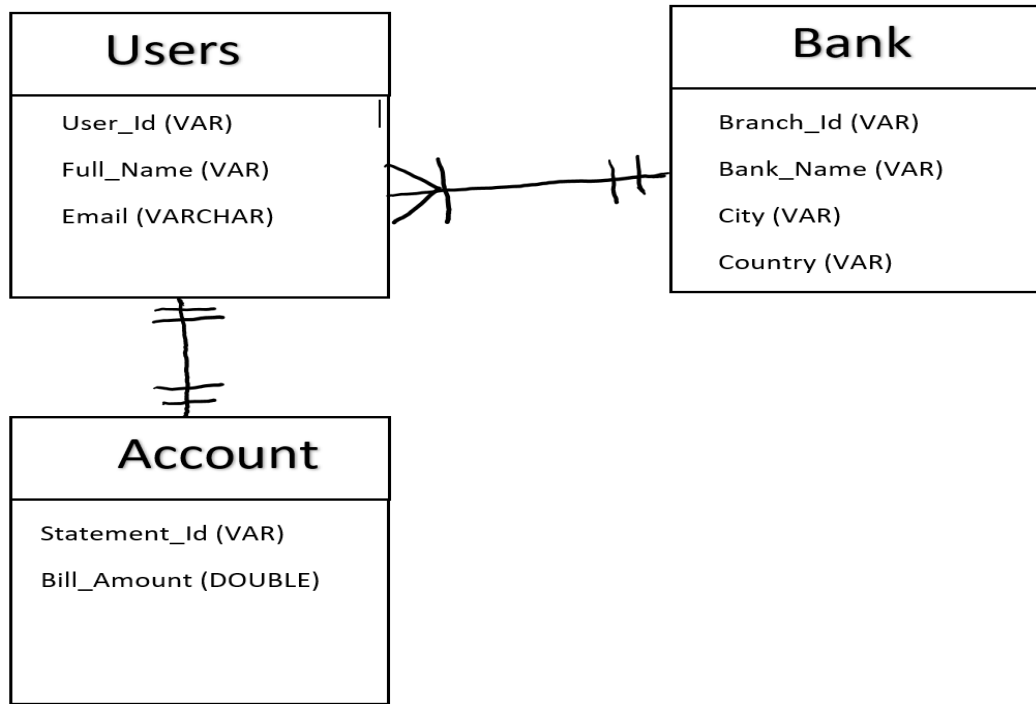
- 1) The software
- 2) The database
- 3) Design
- 4) User input

Development of Use Case diagram:



Defining the database and Schema:

DATABASE: MONGODB



Description of System Architecture:

The main functionality of the program will involve in users completing basic banking needs. The user will login and have access to different functions such as: deposits, withdrawals, printing of statements, printing void cheques etc...

The bank will also have access to user accounts for processing transactions and other matters such as problem solving within accounts, account de/activation. There will also be a separate branch where the system moderators will work on the software, whether its modification, repairs, system restarts, and so forth.

Project Plan:

First, we will analyze the different dependencies required to successfully ensure the software dependent features are installed. We will also create a text-based simulation of the software's functionality so we know what the software needs to do, we will also need to pay attention to error handling and format authentication of datatypes, for eg. names cannot contain numbers.

Once the specifics are understood, we will begin the coding of the program and integrating the dependencies into functional sectors of the software.

