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ITCS 3112: Des. & Imp. Object-orientated System

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Requirements Document & Use Case Diagram

<u>Description of the system</u>: The project is to create a bank account management program that allows the user access to their bank account and manage it. The user will be able to view the current balance, withdraw, deposit and transfer money between different types of bank accounts. For this specific program, the user will be able to access different types of bank account such as checking, saving, mutual fund or more. This assumes that all types of account are in the same branded bank account. For example, if the user checking and saving account are in the same account (i.e. Wells Fargo) then they are allowed to transfer money between accounts to keep this program simple as possible.

<u>Rationale & Targeted Consumers</u>: A bank management program will greatly benefit users who want to have on-hand access to their bank account. The user might want to deposit, withdraw, or transfer money on the spot, if they do not have current access to the physical bank area. There can be risks doing tedious tasks in a physical bank such as exposing private information and mistyping any type of transactions. Such risks can complicate the user's experience with the banking system and even worsen their relationship with the brand in the real world. With a bank management system access through a program (it would be on a website or an app in the business world), these risks can be reduced. This program will be great for any consumers that often travel, need access to the account on the spot, any banks that need a virtual banking system and managing their bank privately. Essentially, the program will reach a wide range of audience that wants to manage their account by themselves.

<u>Functional Requirements</u>:

- Users must be able to view current balance, withdraw, deposit, transfer and send money as basic features of bank management system.
- Change to different types of bank accounts (checking, saving, mutual fund, etc.) assuming they are already in one account.
- Transfer money between different types of bank account if they are all in one account.
- Send money to another person using their bank and routing numbers.

<u>Non-Functional Requirements</u>:

- (***Optional feature***) A graphical user interface (GUI) application will assist in user managing their account in a click of a button.
- Login and logout of their following bank account. The login/logout won't be deeply implemented as it is not the focus of this project.

<u>Use Case Diagram</u>:

- Requirements:
  - o Users must be able to select which accounts they want to access on their account (i.e. checking, saving or mutual fund).
  - o Once the account is accessed, the user can view the current balance on the current account. The user can choose to deposit, withdraw, transfer, or send money.