Logo

Description automatically generated

**22/SU-COP-2805C-72035 Java Programming**

**Exercise 11.3**

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Created By: Johnathan Webster

# Document Version Control

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| 0.1 | 2022 June 6 | Johnathan Webster | First Draft |

# Document Purpose

The purpose of this document is to define the updated Subclasses\_of\_Account() class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this implementation is to mimic the checking and savings account system used by banks.

## Technical Implementation Components

The class implementation allows the user to create a checking and savings account with their associated unique properties.

Checking accounts have an overdraft limit

*public* *class* CheckingAccount *extends* Account{

*private* int overDraftLimit;

    String className = this.*getClass*().*getSimpleName*();

While savings accounts cannot be overdrawn

*public* *class* SavingsAccount *extends* Account {

*private* boolean overdrawn;

    String className = this.*getClass*().*getSimpleName*();

*SavingsAccount*(){}

All with their respective getter and setter methods.

## Subclass of Account Implementation

The implementation of this class allows the user to create a checking and savings account like the Account class. By inheriting the properties of the Account class the checking and savings accounts each have their respective properties while also enabling the same functionality of the Account class.