Logo

Description automatically generated

**<22/SP-COP-2800-72035> Java Advanced**

**<Assignment 11-03>**

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# Document Version Control

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# Document Purpose

The purpose of this document is to define the CheckingAccount Class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of the CheckingAccount subclass is to create an object that stores information relevant to the CheckingAccount object, overdraftlimit, and the properties associated with the Account superclass.

## Technical Implementation Components

This class has two methods that display relevant information of the object, two method to set the property of the object, and one constructor that requires arguments to populate all properties.

**Properties**

1. overDraftLimit: this will be used to determine if the account with overdrawn

**Methods**

1. getOverDraftLimit(): displays the overdraft limit
2. withdraw(double amount): overloads the existing superclass’ withdraw method, ensures the withdrawn amount minus the balance does not reach or exceed the overdraft limit
3. setOverDraftLimit(double overDraftLimit):
4. toString(): return all information in a readable format.

**Constructors**

The CheckingAccount class is constructed with three arguments.

CheckingAccount CheckingAccount \_variable\_1 = new CheckingAccount (int id, double balance, double overDraftLimit)

## Technical Implementation Pseudocode

Ask user for input that will be used to construct the CheckingAccount object

Create instance of the CheckingAccount class with required arguments.

Use the appropriate get method to display overDraftLimit, id, balance

Use the appropriate set method to set overDraftLimit

Use appropriate method to withdraw a specified amount from the account

If the requested amount is over the overdraft limit, a message will be displayed.

End