

**22/SP-COP-2805C-61163 Java Advanced**

**Assignment 11.8**

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# Document Version Control

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# Document Purpose

The purpose of this document is to outline the process behind the new Account class and how it uses array lists to store transaction data.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this new Account class is to add additional parameters to the creation of the new account. This adds a String to add a customer name to the account.

## Technical Implementation Components

* This program expands on the Account class created in assignment 9.7 by adding a customer parameter to the class. This changes the constructor of the class and also adds an arraylist for recording transactions made on the account.

## Technical Implementation Pseudocode

*Create Account*

*prompt user for name, account id, annualInterestRate, and balance*

*prompt user for deposit amount*

*prompt user for withdrawal amount*

*Display account information post transactions*

*display transaction records.*

## Account Implementation

The Account class remains almost the same, with a change to the constructor to add the customer to the creation of the account. It also adds a toString() method to allow printing of the account details.

Changes were made to the withdraw and deposit functions, to save the transaction information to an array list using the Transaction class.

The Transaction class records the details of the transaction in the form of transaction type, amount, new balance, date of transaction, and description of the event.