Program Design

## Input

1. In detail indicate what the inputs to this program are?

* There isn’t any inputs within this program

1. How do you validate the input

* Through if statements in which will throw an InvalidArgumentException if it doesn’t fulfill the requirements needed

1. Pseudocode: Briefly explain how this section will look like

* There is not inputs required

## Processing

1. What is this program calculating?

* The program is calculating an average of the BankAccounts given

1. Can we divide the calculations to the smaller “modules”

* No, the programs is already at its most basic

1. Pseudocode: Briefly explain how this section will look like – Each module should have its own section.

* Contruct an arraylist containing all bankaccounts, then fill the arraylist until a sufficient amount. Then call the Data.average() method and output to screen

## Output

1. What will this program display to the users?

* The program will display and average of the filtered bank accounts

1. What kind of formatting this output will use (Currency with $ …)?

* The program will format the output with the standard money calculations

1. Pseudocode: Briefly explain how this section will look like

* Using the String.format() method, we can format the output

## Library

What Libraries do you need for this program?

* ArrayList and Random are needed

## Initialization and constant variables

1. What variables need to be initialized?

* BankAccount, BankAccountFilter, BankAccountMeasurer, and Random needs initialization

1. What variables need to be defined as constant

* NONE