CST8132 – Object-Oriented Programming

**Lab 9 – Test Plan <ArrayList Store>**

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**Feature: Menu Processing (Lab9 Driver Class)**

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| **Test #** | **Description** | **Input** | **Expected output/result** | **Actual Output** | **Status (Pass/Fail)** |
| T1 | Naming the store | any value | same values | same values | Pass |
| T2 | “How many employees do you have?” Invalid Selection | User input = x  if (x < 0) | How many employees do you have? | How many employees do you have? | Pass |
| T3 | “How many employees do you have?” Input Mismatch Exception | if user inputs a double value or a character. | \*\*\*\*\* Input Mismatch Exception while reading number of employees… \*\*\*\*\* | \*\*\*\*\* Input Mismatch Exception while reading number of employees… \*\*\*\*\* | Pass |
| T4 | Enter your option (Choice 1-4) | 0, 5, 6, … | Invalid option… please try again… | Invalid option… please try again… | Pass |
| T5 | Enter your option (Choice 1-4) | characters between letters a-z | \*\*\*\*\* Input mismatch exception… Please try again while reading selection of process \*\*\*\*\*  Invalid option… please try again…. | \*\*\*\*\* Input mismatch exception… Please try again while reading selection of process \*\*\*\*\*  Invalid option… please try again…. | Pass |
| T6 | Enter your option (Choice 1-4) | -1 | Invalid option… please try again… | Invalid option… please try again… | Pass |
| T7 | Enter type of Employee | Character, a-z | Input Mismatch Exception in readEmployeeDetails  \*\*\*\*\* Input mismatch exception… Please try again while reading selection of process \*\*\*\*\* | Input Mismatch Exception in readEmployeeDetails  \*\*\*\*\* Input mismatch exception… Please try again while reading selection of process \*\*\*\*\* | Pass |
| T8 | Enter type of Employee | values outside of 1 and 2, like 0, 3, 4, etc | java.lang.NullPointerException | java.lang.NullPointerException & exits the employee menu choice | Fail |
| T9 | Enter Employee Number | integers greater than 0, ex: 10123 | empNum = 10123 | empNum = 10123 | Pass |
| T10 | Enter Employee Number | -1 | NullPointerException | -1 | Fail |
| T11 | Enter first name, last name, etc.… | name | firstName = name | firstName = name | Pass |
| T12 | Print Employee Details (Option 3) | if ArrayList is empty | No employees defined… No employees on file | No employees defined… No employees on file | Pass |
| T13 | Print Employee Details (Option 3) | if ArrayList has elements | Prints ArrayList | Prints ArrayList | Pass |
| T14 | Read Details from the file (Option 2) | No file to read | File not found | File not found | Pass |
| T15 | Read Details from the file (Option 2) | File is sourced properly | File gets passed by the Scanner to be read | File gets passed by the Scanner to be read | Pass |
| T16 | Quit (Choice 4) | input = 4 | Goodbye… Have a nice day! | Goodbye… Have a nice day! | Pass |