**CST8132 – OOP – Adam Di Cioccio Lab7 – Test Plan**

**Feature: Menu Processing**

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| **Test #** | **Description** | **Input** | **Expected output/result** | **Actual Output** | **Status (Pass/Fail)** |
| 1 | Valid input | a | Add new account | Add new account | PASS |
| 2 | Valid input | q | Quit program | Quit program | PASS |
| 3 | Invalid input | e | Crash | WrongMenuException | PASS |
| 4 | Invalid input | ! | Crash | WrongMenuException | PASS |

**Feature: Add an account**

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| --- | --- | --- | --- | --- | --- |
| **Test #** | **Description** | **Input** | **Expected output/result** | **Actual Output** | **Status (Pass/Fail)** |
| 1 | Valid input | 45 | Works | Works | PASS |
| 2 | Letter | e | Crash | InputMismatchException | PASS |
| 3 | Negative Num | -23 | Crash | NegativeAccountNumberException | PASS |
| 4 | Over 8 digit | 100000000 | Crash | DigitAccountNumberException | PASS |

**Feature: Display an account**

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| --- | --- | --- | --- | --- | --- |
| **Test #** | **Description** | **Input** | **Expected output/result** | **Actual Output** | **Status (Pass/Fail)** |
| 1 | Display already created account | 14 | Display account with number 14 | Displayed account with number 14 | PASS |
| 2 | Non existed account | 13 | Crash | NotExistAccount | PASS |
| 3 | Letter | e | Crash | InputMismatchException | PASS |

**Feature: Update an account (Deposit/withdraw)**

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| **Test #** | **Description** | **Input** | **Expected output/result** | **Actual Output** | **Status (Pass/Fail)** |
| 1 | Remove amount less than total (100) | -20 | Subtract 20 from amount | Subtract 20 from amount | PASS |
| 2 | Remove amount more than total (100) | -200 | Goes into negative | Goes into negative | FAIL |
| 3 | Deposit 100 into account | 100 | Deposits $100 into the account | Deposits $100 into the account | PASS |

**Feature: Monthly update for all accounts**

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| --- | --- | --- | --- | --- | --- |
| **Test #** | **Description** | **Input** | **Expected output/result** | **Actual Output** | **Status (Pass/Fail)** |
| 1 | Invalid input | f | Crash | WrongMenuException | PASS |
| 2 | Invalid input | ? | Crash | WrongMenuException | PASS |
| 3 | Valid input | m | Does monthly update | Does monthly update | PASS |

**Feature: Display all accounts**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test #** | **Description** | **Input** | **Expected output/result** | **Actual Output** | **Status (Pass/Fail)** |
| 1 | Invalid input | e | Crash | WrongMenuException | PASS |
| 2 | Invalid input | ! | Crash | WrongMenuException | PASS |
| 3 | Valid input | p | Prints out accounts | Prints out accounts | PASS |