Team name:

Members Name & ID: Cheng-chieh Wu

Campus: Murdoch

Date: 03/06/2022

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| Test Report | | | | | |
| Project Name CreateLoans | | | Test Type Functional testing | | |
| Description The application that tracks all new construction loans and calculates the total amount owed at the due date. | | | Date 03/06/2022 | | |
| Developer Cheng-Chieh Wu | | | Tester Cheng-Chieh Wu | | |
| Test Case # | Description | Expected Results | | Actual Results | Pass/Fail |
| 1 | Prime interest rate: Entering the wrong type | The message " Please enter an integer or an appropriate value " will be shown. Then the user will be asked to enter the value once again. | |  | Pass |
| 2 | Loan type: Entering the wrong type | The message " Please enter an integer or an appropriate value " will be shown. Then the user will be asked to enter the value once again. | |  | Pass |
| 3 | Loan type: Entering the number other than 1 and 2 | The message shows “ Only 1 or 2” and ask a user to enter again | |  | Pass |
| 4 | Loan number: Entering the wrong type | The message " Please enter an integer or an appropriate value " will be shown. Then the user will be asked to enter the value once again. | |  | Pass |
| 5 | Amount of loan: Entering the wrong type. | The message " Please enter an integer or an appropriate value " will be shown. Then the user will be asked to enter the value once again. | |  | Pass |
| 6 | Amount of loan: Entering value over the maximum amount of loan | The message " Over the maximum loan amount " will be shown. Then the user will be asked to enter the value once again. | |  | Pass |
| 7 | For a business loan, the interest rate will be 1% over the current prime interest rate. | The interest rate value will be plus 0.01 if the user chooses a business loan. | |  | Pass |
| 8 | For a personal loan, the interest rate will be 2% over the current prime interest rate. | The interest rate value will be plus 0.02 if the user chooses a business loan. | |  | Pass |
| 9 | Five new created loans will be stored in the ArrayList and displayed. | All 5 entered loan data will be displayed | |  | Pass |
| 10 | The ArrayList object will be stored in a binary file as “loans.bin”. | All 5 entered loan data will be saved as a binary file named “loans.bin”. A successfully saved message will notify the user. | |  | Pass |
| 11 | All the information in the “loans.bin” file can be read and displayed. | All 5 loans will be read from the saved binary file and be displayed. | |  | Pass |
| 12 | Loan term: Entering the wrong type. | The message " Please enter an integer or an appropriate value " will be shown. Then the user will be asked to enter the value once again. | |  | Pass |
| 13 | Loan term: The corresponding year will be shown based on its term. | Loan term: Entering the number of a specific term, and the corresponding year will be displayed. | |  | Pass |
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