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| **4COSC006C: Software Development I -Personal Finance Tracker (Using Dictionaries) – TEST PLANS** Student Name/ID: P. A. Prasansa Ramidu ( w2084743 )  Seminar Day/Time: Module Tutor: Mr. Guhanathan Poravi |

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| Student Name: Student ID: | | | | |
| TEST PLAN  Submit completed test plans | | | | |
| Test  No. | Test Input | Expected Result | Actual Result  (or state ‘not attempted’) | Pass / Fail  (‘Actual Result’ matches ‘Expected Result = Pass’) |
| 1 | Choose the add transaction option and gave the below inputs:  Category = Salary  Amount = 12000  Date = 2024-03-10 | Transaction added successfully  Transactions saved successfully | Transaction added successfully  Transactions saved successfully | Pass |
| 2 | Choose the add transaction option and gave the below inputs:  Category = Groceries  Amount = 14000  Date = 2024-03-12 | Transaction added successfully  Transactions saved successfully | Transaction added successfully  Transactions saved successfully | Pass |
| Validation | | | | |
| 3 | In the add transaction option gave the following input for Category = Gross | An error occurred: Invalid transaction type | An error occurred: Invalid transaction type | Pass |
| 4 | In the add transaction option gave the following input for Amount = sal | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Pass |
| 5 | In the add transaction option gave the following input for Date = 2024-02-31 | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Pass |
| 6 | In the add transaction option gave the following input for Date = 2024-13-09 | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Pass |
| 7 | In the add transaction option gave the following input for Category = None | An error occurred: Invalid transaction type | An error occurred: Invalid transaction type | Pass |
| 8 | In the add transaction option gave the following input for Date = 2024-03-32 | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Pass |
| 9 | In the add transaction option gave the following input for Date = 2023/01/03 | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Pass |
| 10 | In the add transaction option gave the following input for Date = None | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Invalid input. Please enter a valid number for amount or date in format YYYY-MM-DD | Pass |
| 11 | Choose the update transaction option and gave the below inputs:  Category = Salary  Index = 5  Amount = 15000  Date = 2024-03-11 | Transaction updated successfully  Transactions saved successfully | Transaction updated successfully  Transactions saved successfully | Pass |
| 12 | Choose the update transaction option and gave the below inputs:  Category = Groceries  Index = 2  Amount = 40000  Date = 2024-03-16 | Transaction updated successfully  Transactions saved successfully | Transaction updated successfully  Transactions saved successfully | Pass |
| Validation | | | | |
| 13 | Choose the update transaction option and gave the below inputs:  Index = 7 | Invalid input or index out of range | Invalid input or index out of range | Pass |
| 14 | Choose the update transaction option and gave the below inputs:  Index = None | Invalid input or index out of range | Invalid input or index out of range | Pass |
|  | | | | |
| 15 | Choose the delete transaction option and gave the below inputs:  Category = Salary  Index = 5 | Transaction deleted successfully  Transactions saved successfully | Transaction deleted successfully  Transactions saved successfully | Pass |
| 16 | Choose the update transaction option and gave the below inputs:  Category = Groceries  Index = 2 | Transaction deleted successfully  Transactions saved successfully | Transaction deleted successfully  Transactions saved successfully | Pass |
| Validation | | | | |
| 17 | Choose the update transaction option and gave the below inputs:  Category = socs | No transactions found for Socs | No transactions found for Socs | Pass |
| 18 | Choose the update transaction option and gave the below inputs:  Index = 6 | Invalid input or index out of range | Invalid input or index out of range | Pass |
|  | | | | |
| 19 | Choose the display summary option | Salary: Total Amount = Net  Groceries: Total Amount= Net | Salary: Total Amount = Net  Groceries: Total Amount= Net | Pass |
|  | | | | |
| 20 | Choose the view transaction option | Salary:  Amount: amount,  Date: date  Groceries:  Amount: amount,  Date: date | Salary:  Amount: amount,  Date: date  Groceries:  Amount: amount,  Date: date | Pass |
|  | | | | |
| 21 | Choose the read bulk transactions from file option  (And specify the file that you want the transactions data) | Read the File: Key: Salary, Value: [{'amount': 20000.0, 'date': '2024-02-05'}, {'amount': 30000.0, 'date': '2023-01-02'}, {'amount': 25000.0, 'date': '2022-03-24'}, {'amount': 320000.0, 'date': '2024-01-09'}, {'amount': 200000.0, 'date': '2023-10-09'}]  Read the File: Key: Groceries, Value: [{'amount': 20000.0, 'date': '2024-01-09'}, {'amount': 3000.0, 'date': '2024-08-09'}] | Read the File: Key: Salary, Value: [{'amount': 20000.0, 'date': '2024-02-05'}, {'amount': 30000.0, 'date': '2023-01-02'}, {'amount': 25000.0, 'date': '2022-03-24'}, {'amount': 320000.0, 'date': '2024-01-09'}, {'amount': 200000.0, 'date': '2023-10-09'}]  Read the File: Key: Groceries, Value: [{'amount': 20000.0, 'date': '2024-01-09'}, {'amount': 3000.0, 'date': '2024-08-09'}] | Pass |
| Validation | | | | |
| 22 | Choose the read bulk transactions from file option  Then enter the user input that the user want read the transactions data from which file so if the user enter:  filename = eddecc | File not found | File not found | Pass |
|  | | | | |
| 23 | End of the main menu function if the user wants to exit from the infinite loop, he/she can specify the given option for that if he/she select that option | Transactions saved successfully  Good Bye! Exiting From the Personal Finance Tracker | Transactions saved successfully  Good Bye! Exiting From the Personal Finance Tracker | Pass |
| Validation | | | | |
| 24 | If the user enter as an option choice that doesn’t specify a valid number choice | Invalid choice. Please try again. | Invalid choice. Please try again. | Pass |