

جامعة نيويورك أبوظبي



NYU | ABU DHABI

CS-UH 2012: Software Engineering

Finance Tracker - *Test Cases*

Course Project: Deliverable 4 - Group 8

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Test Case 01

Project Name: Finance Tracker

Test Case ID: TC-CJ-01

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Create Journal

Test Executed by: Chinonyerem Ukaegbu

Test Title: Create Journal Test 01

Test Execution date: 8 May 2022

Description: check if journal is created successfully

Objective: Check if function works as intended - positive case

Pre-conditions: User is logged in the system correctly and display the main menu options correctly.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose create journal option	Option : <i>int</i>	prompts to enter name (mandatory), start date and end date (mandatory) and description (optional)	As expected	Pass	
2	Enter unique name, valid start and end date	Journal.name: <i>string</i> Journal.startDate: <i>string</i> Journal.endDate: <i>string</i>	Valid information saved in system and the local files are updated and ask for choice between another input to create transaction or main menu	As expected	Pass	
3	Choose to add another input	Same as steps 1-2	Same as steps 1-2	As expected	Pass	Repeat steps 1-2

Post-conditions: User adds as many transactions as they want and after all are completed, return to main menu

Test Case 02

Project Name: Finance Tracker

Test Case ID: TC-CJ-02

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Create Journal

Test Executed by: Chinonyerem Ukaegbu

Test Title: Create Journal Test 02

Test Execution date: 8 May 2022

Description: check if journal is created successfully

Objective: Check if function works as intended - positive case

Pre-conditions: User is logged in the system correctly and display the main menu options correctly.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose create journal option	Option : <i>int</i>	prompts to enter name (mandatory), start date and end date (mandatory) and description (optional)	As expected	Pass	
2	Enter unique name, valid start and end date	Journal.name: <i>string</i> Journal.startDate: <i>string</i> Journal.endDate: <i>string</i>	Valid information saved in system and the local files are updated and ask for choice between another input to create transaction or main menu	As expected	Pass	
3	Choose to return to main menu		Main menu displayed	As expected	Pass	

Post-conditions: User continues to use other functions of the system.

Test Case 03

Project Name: Finance Tracker

Test Case ID: TC-CJ-03

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Create Journal

Test Executed by: Chinonyerem Ukaegbu

Test Title: Create Journal Test 03

Test Execution date: 8 May 2022

Description: check if journal is created successfully - invalid values entered

Objective: Check if function works as intended - negative case

Pre-conditions: User is logged in the system correctly and display the main menu options correctly.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose create journal option	Option : <i>int</i>	prompts to enter name (mandatory), start date and end date (mandatory) and description (optional)	As expected	Pass	
2	Enter name of an existing journal	Journal.name: <i>string</i>	Notify that Journal.name is already in use and prompt them to enter new name	As expected	Pass	
3	Input unique name	Same as steps 2	Accept the valid input and save it locally. Prompt to enter start date and end date (mandatory) and description (optional)	As expected	Pass	

Post-conditions: User continues to complete creating a new journal by adding other mandatory parameters.

Test Case 04

Project Name: Finance Tracker

Test Case ID: TC-CJ-04

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Create Journal

Test Executed by: Chinonyerem Ukaegbu

Test Title: Create Journal Test 04

Test Execution date: 8 May 2022

Description: check if journal is created successfully - invalid values entered

Objective: Check if function works as intended - negative case

Pre-conditions: User has inputted a valid name to create a new journal.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter invalid start date and/or end date	Journal.startDate: <i>string</i> Journal.endDate: <i>string</i>	Notify of the invalid input. Return to main menu	As expected	Pass	
2	Enter valid start date and/or end date	Journal.startDate: <i>string</i> Journal.endDate: <i>string</i>	Valid information saved in system and the local files are updated and ask for choice between another input to create transaction or main menu	As expected	Pass	

Post-conditions: User makes a valid choice and is redirected as intended.

Test Case 05

Project Name: Finance Tracker

Test Case ID: TC-CJ-05

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High):
Medium

Test Designed date: 4 May 2022

Module Name: Create Journal

Test Executed by: Chinonyerem Ukaegbu

Test Title: Create Journal Test 05

Test Execution date: 8 May 2022

Description: check if journal is created successfully - optional values added

Objective: Check if function works as intended - optional case

Pre-conditions: User has inputted a valid name, start date and end date to create a new journal.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter optional description.	Journal.description: <i>string</i>	Valid information saved in system and the local files are updated and ask for choice between another input to create transaction or main menu	As expected	Pass	

Post-conditions: User makes a valid choice and is redirected as intended.

Test Case 06

Project Name: Finance Tracker

Test Case ID: TC-ANT-01

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Add New Transaction

Test Executed by: Chinonyerem Ukaegbu

Test Title: Add New Transaction Test 01

Test Execution date: 8 May 2022

Description: check if transaction is created successfully - valid values entered

Objective: Check if function works as intended - positive case

Pre-conditions: User has successfully created a new Journal or chooses an existing Journal.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose create transaction option	Option : <i>int</i>	prompts to choose the category if expenditure selected. Automatically set category if chosen revenue.	As expected	Pass	
2	Enter expenditure category	Transaction.isRevenue: <i>boolean</i> Transaction.isExpenditure: <i>boolean</i> Transaction.category : <i>string</i>	prompts to enter amount	As expected	Pass	
3	Enter valid amount	Transaction.amount: <i>float</i>	Valid information saved in system and the local files are updated and ask for choice between another input to create transaction or main menu	As expected	Pass	
4	Choose to add another input	Same as steps 1-3	Same as steps 1-3	As expected	Pass	Repeat steps 1-3

Post-conditions: User adds as many transactions as they want and after all are completed, return to main menu.

Test Case 07

Test Case ID: TC-ANT-02

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Add New Transaction

Test Executed by: Chinonyerem Ukaegbu

Test Title: Add New Transaction Test 02

Test Execution date: 8 May 2022

Description: check if transaction is created successfully - valid values entered

Objective: Check if function works as intended - positive case

Pre-conditions: User has successfully created a new Journal or chooses an existing Journal.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose create transaction option	Option : <i>int</i>	prompts to choose the category if expenditure selected. Automatically set category if chosen revenue.	As expected	Pass	
2	Enter expenditure category	Transaction.isRevenue: <i>boolean</i> Transaction.isExpenditure: <i>boolean</i> Transaction.category : <i>string</i>	prompts to enter amount	As expected	Pass	
3	Enter valid amount	Transaction.amount: <i>float</i>	Valid information saved in system and the local files are updated and ask for choice between another input to create transaction or main menu	As expected	Pass	
4	Choose to return to main menu		Main menu displayed	As expected	Pass	

Post-conditions: User is displayed the main menu options.

Test Case 08

Project Name: Finance Tracker

Test Case ID: TC-ANT-03

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Add New Transaction

Test Executed by: Chinonyerem Ukaegbu

Test Title: Add New Transaction Test 03

Test Execution date: 8 May 2022

Description: check if transaction is created successfully - invalid values entered

Objective: Check if function works as intended - negative case

Pre-conditions: User has successfully created a new Journal or chooses an existing Journal.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose create transaction option	Option : <i>int</i>	Prompts to choose the category if expenditure selected. Automatically set category if chosen revenue.	As expected	Pass	
2	Enter invalid choice number		Notify of invalid choice and redirect to main menu	As expected	Pass	

Post-conditions: User makes choices from the main menu again.

Test Case 09

Project Name: Finance Tracker

Test Case ID: TC-ANT-04

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Add New Transaction

Test Executed by: Chinonyerem Ukaegbu

Test Title: Add New Transaction Test 04

Test Execution date: 8 May 2022

Description: check if transaction is created successfully - invalid values entered

Objective: Check if function works as intended - negative case

Pre-conditions: User has successfully created a new Journal or chooses an existing Journal. Enters a valid category.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter invalid amount (float/int ≤ 0)	Transaction.amount: <i>float</i>	Notify the invalid value and redirects to main menu	As expected	Pass	

Post-conditions: User makes choices from the main menu again.

Test Case 10

Project Name: Finance Tracker

Test Case ID: TC-DT-01

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Delete Transaction

Test Executed by: Chinonyerem Ukaegbu

Test Title: Delete Transaction Test 01

Test Execution date: 8 May 2022

Description: check if transaction is successfully deleted

Objective: Check if function works as intended - positive case

Pre-conditions: User is successfully logged in system.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose to delete a transaction	Option: <i>int</i>	Prompt to enter the Journal name to delete transaction from	As expected	Pass	
2	Enter valid Journal name	Journal.name: <i>string</i>	Journal name found in system and prompt to enter transaction ID	As expected	Pass	
3	Enter Transaction ID	Transaction.ID: <i>int</i>	Transaction ID found in the journal and removed the Transaction List of the journal. Changes reflected in the system and local data files.	As expected	Pass	

Post-conditions: User is able to continue performing other functions.

Test Case 11

Project Name: Finance Tracker

Test Case ID: TC-DT-02

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Delete Transaction

Test Executed by: Chinonyerem Ukaegbu

Test Title: Delete Transaction Test 02

Test Execution date: 8 May 2022

Description: check if transaction is successfully deleted

Objective: Check if function works as intended - negative case

Pre-conditions: User is successfully logged in system.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Choose to delete a transaction	Option: <i>int</i>	Prompt to enter the Journal name to delete transaction from	As expected	Pass	
2	Enter invalid Journal name	Journal.name: <i>string</i>	Notify Journal name not found in system and redirect to main menu.	As expected	Pass	

Post-conditions: User makes choices from the main menu again.

Test Case 12

Project Name: Finance Tracker

Test Case ID: TC-DT-03

Test Designed by: Fatima Nadeem

Test Priority (Low/Medium/High): High

Test Designed date: 4 May 2022

Module Name: Delete Transaction

Test Executed by: Chinonyerem Ukaegbu

Test Title: Delete Transaction Test 03

Test Execution date: 8 May 2022

Description: check if transaction is successfully deleted

Objective: Check if function works as intended - negative case

Pre-conditions: User enters a valid journal name that exists in system and is prompted to enter the ID of the transaction to delete.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter invalid transaction ID	Transaction.ID: <i>int</i>	Notify transaction is not found in system and redirects to main menu.	As expected	Pass	

Post-conditions: User makes choices from the main menu again.