Finance Tracker
Planning: Master Test Plan

Test Scope

This test plan will test all the requirements for Finance Tracker version 1.0 with the exception of the requirement of developing a web application, which will be tested by the web developers team after the web integration is successful. The web developers team will later test the web application, the webserver capacity, the performance of the functional requirements when hosted on the web, and the inputs received through the web application. This Master Test Plan covers integration, user acceptance, and regression testing.

It will not include unit testing, which will be performed by external test takers such as student volunteers at NYUAD. It will not include user certification testing, which will be performed by the weSTEM Finance team after the product is ready for a wider release across the whole NYUAD student body.

Test Features

This is a description of the features that will be tested within the scope of the test plan. The list represents what will be tested as well as the individuals/groups involved with the testing activities.

BR #	Feature	Responsible party or groups
1	View Report	Software Developers
2	Create and Edit Transaction	Software Developers
3	Create and Edit Journal	Software Developers
4	Display Journals and Transactions	Software Developers
5	Delete Journals and Transactions	Software Developers

Test Inputs/Outputs

This is a description of the inputs that will be used to assist with the testing effort and a list of the outputs that will be delivered from the testing effort.

Inputs	Outputs
Software Requirement Specifications	Test Cases
	Test Plan
	Test Results

Test Strategy

This is a description of the recommended testing approach for this project. This describes "how" the test items and features will be tested.

Test Type	Description	Comment
Integration Test	This type of test retests all changed functionality end to end.	Check all the functional requirements are working as intended and handle the errors and exceptions intelligently.
User Acceptance Test	This will be performed by the student volunteers at NYUAD. These tests all changed the functionality of a system from the end-user perspective.	Before the public release of our product, students will be asked to volunteer to test the product and provide feedback. This feedback will be analyzed and incorporated into the system where appropriate.
Regression Test	This tests the entire system to ensure that any untouched functionality did not get adversely impacted by the project-related work.	After the feedback is incorporated, it is important to test if it has not affected any other parts of the code. The system is rechecked in its entirety to finalize it.
User Certification Test	This test is performed after the solution has been moved to production to ensure it has been moved successfully.	This will be performed by the weSTEM team.

Test Environment (tools, system, databases)

This is a list of the testing tools, systems, and databases.

Tools	Description	Version
Google Colaboratory	online IDE	n/a
Visual Studio Code	source-code editor that supports debugging, code completion, and syntax highlighting	1.66.2
Sublime Text	Text editor to edit code	4.0
Manual input	Manual entry of data onto terminal	n/a
OS Terminal	Tool to execute code script	OS tool - n/a
System		
Test System 01	HP Pavilion	
Test System 02	Apple Macbook Air M1 2020	
Database		
Local test data	Research data collected for testing of system	1.0

Test Roles and Responsibilities

This is a list of the testing roles and responsibilities.

Resource	Role	Responsibility
Fatima Nadeem	Test Manager/ Test Designer	- Provides technical direction. - Acquires testing resources. - Assigns tasks to testing resources. - Documents test plan. - Identifies, documents, and prioritizes test cases. - Evaluates effectiveness of test effort.
Chinonyerem Ukaegbu	Tester/ Test System Administrator	- Provides technical direction. - Executes test cases, logs defects, and documents test results. - Ensures test environment and assets are installed, managed, and maintained. - Includes administration of testing ids. - Communicates test results to management.

Test Milestones

This is a list of the critical test milestone dates.

Task	Milestone Date
Setup Test Environment	21/03/22
Complete Unit Testing	31/04/22
Complete Integration Testing	02/05/22
Complete User Acceptance Testing	05/05/22
Complete Regression Testing	07/05/22
Complete User Certification Testing	22/05/22

Document Approval

The signatures below acknowledge that the test plan outlined above is complete and accurate. Upon receiving written approval, the project team will proceed to the next step of the project.

If anything changes during the execution of the project, the test plan will be updated and reapproved accordingly.

Approved by: Printed name	Approved by: Title	Approved By: Signature/Date
Fatima Nadeem	Software Developer	*Fatima Nadeem, 8 May 2022*
Chinonyerem Ukaegbu	Software Developer	*Chinonyerem Ukaegbu, 8 May 2022*

Document Tracking

Date	Action Taken	By Whom
7 May 2022	Master Test Plan created	Fatima Nadeem
8 May 2022	Master Test Plan revised	Chinonyerem Ukaegbu