TraViz

Planning: Master Test Plan

Instruction

This document is used to define the details of the master test plan. Once the test plan is outlined, the document must be reviewed and approved by the lead technical representative on the project as well as the lead business representative on the project. If anything related to the test plan changes during the execution and testing phase of the project, this document should be updated and re-approved by both parties.

Test Scope

The test plan will test all the requirements for the system - TraViz for release 1.0 specified in the System Requirement Specifications document. In addition, the test plan also outlines plans for testing the functions specified in the System Requirement Specifications document. This Master Test Plan covers unit testing, integration, user acceptance, and regression testing, and they are all performed by the development team at the end of each iteration of the process model.

Test Features

The following is a list of features that will be tested withing the scope of this product along with who will be testing them.

BR #	Feature	Responsible party or groups
1	Website Responsiveness	IT
2	Data Visualization (under Planning Trips)	IT
3	Information Retrieval (under Planning Trips)	IT
4	Recommendation System	IT
5	User Login	IT

Test Inputs/Outputs

Inputs	Outputs
System Requirement Specifications	Test Results

Test Strategy

Test Type	Description	Comment
Unit Testing	*This tests the smallest chunk of code that can be isolated from the system*	This will be performed by the development team
Integration Test	*This type tests all changed functionality end to end.*	This will be performed by the development team
User Acceptance Test	*This tests all changed functionality of a system from the end-user perspective.*	This will be performed by the Business User
Regression Test	*This tests the entire system to ensure that any untouched functionality did not get adversely impacted by the project-related work.*	This will be performed by the development team

Test Environment (tools, system, databases)

Tools	**Description**	**Version**
Manual input	Manual entry of data onto screen or gui.	n/a
System		
Test System	Personal Devices	Windows/MacOS
PC Lab	n/a	

Test Roles and Responsibilities

This is a list of the testing roles and responsibilities.

Resource	**Role**	**Responsibility**
Arshiya Khattak, NYUAD	Test Manager/Project Manager, Tester	• Provides technical direction. • Assigns tasks to testing resources. • Supports lead tester in executing test cases and documenting test results.
Gopika Krishnan, NYUAD	Test Designer, Test System Administrator	• Documents test plan. • Identifies, documents, and prioritizes test cases. • Evaluates effectiveness of test effort. • Ensures test environment and assets are installed, managed and maintained.
Matthew Varona, NYUAD	Lead Tester	• Executes test cases and documents test results.

Test Milestones

This is a list of the critical test milestone dates. Be sure to include these dates in the overall project plan.

Task	Milestone Date
Complete Unit Testing	22/11/2021
Complete Integration Testing	30/11/2021
Complete User Acceptance Testing	02/12/2021
Complete Regression Testing	05/12/2021

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 re-approved accordingly.

Approved by: Printed name	Approved by: Title	Approved By: Signature/Date
Arshiya Khattak	Test Manager	Arshiya Khattak

Document Tracking

Date	Action Taken	By Whom
20/11/2021	Edit template and assign roles	Gopika Krishnan
22/11/2021	Final Edits	Gopika Krishnan