# TEST PLAN FOR AUTOMATION TESTING

**Project**: Viva Glint

**Automation Test Plan Version**: 1.0

**Objective**: To outline the strategy, scope, tools, and processes for automation testing in the Glint project to ensure quality, reduce manual efforts, and increase test coverage and reliability.

SCOPE

**In Scope**: Automation testing for key functionalities and modules of the Glint project.

* Dashboard and Reporting functionalities
* Report Exports

**Out of Scope**:

* ODS / Performance / 360 functionalities

OBJECTIVES

* Automate critical test cases to achieve high test coverage for the Glint platform.
* Improve efficiency by reducing manual regression testing efforts.
* Integrate automated tests with CI/CD pipelines for quick feedback on build quality.

TEST STRATEGY

**Automation Framework:** Utilize a Page object model (POM) framework using Selenium WebDriver with TestNG as the testing framework.

**Programming Language:** Java

**CI/CD Integration:** GitHub for continuous integration and development.

**Reporting Tool:** Extent Reports and TestNG for enhanced reporting and result visualization.

TEST ENVIRONMENT

**Operating System**: Windows 10, macOS

**Browsers:** Chrome (latest version), Firefox, Microsoft Edge

**Environment Configurations:** Viva glint QA environment with test data

AUTOMATED TESTSUITES

Comments Report

Executive Summary

Team Summary

Overall Results Report

Heatmap Report

Response Rate Report

Multi Choice Report

Manager Report

Driver Impact

TEST DELIVERABLES

* Automated Test Scripts for Reporting modules in scope.
* Test Execution Reports
* Defect Reports from failed test cases.

TEST APPROACH

**Test Case Selection**: Smoke test cases

**Execution Schedule**: Automated tests will be executed on Eclipse.

**Script Maintenance**: Update and maintain scripts as the application evolves to ensure reliability and relevance.

TEST EXECUTION PLAN

**Execution Cycles**: Smoke test runs and post-build validations.

**Trigger Conditions**: Tests triggered by new code deployments or scheduled jobs.

**Test Reporting**: Use reports to track and analyse test coverage, failure trends, and areas requiring manual follow-up.

SCHEDULE

**Milestone 1**: Initial framework setup and creation of smoke test scripts.

**Milestone 2**: Automated Smoke test suite coverage for primary flows and implemented POM framework for better maintenance.

**Milestone 3**: Attached Screenshot and created a report for test results for every testcases.

RISKS AND MITIGATIONS

**Risk**: Dynamic elements in DOM due to UI changes.

**Mitigation**: Utilize stable locators and maintain regular script updates.

ENTRY AND EXIT CRITERIA

**Entry Criteria**: Stable build availability, automated test environment readiness, and finalized test cases.

**Exit Criteria**: All prioritized automated test cases executed, identified defects logged, and smoke test suite passes within acceptable limits.

APPROVAL

Reviewed By:

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