Regression Test Plan

*Regression testing is used to ensure the implementation of new code or features does not interfere with old features or code within the software product.*

[*https://www.softwaretestinghelp.com/regression-testing-tools-and-methods/*](https://www.softwaretestinghelp.com/regression-testing-tools-and-methods/)

1. Regression Test Plan
   1. Introduction
   2. Purpose
   3. Test Strategy
   4. Feature to be tested
   5. Resource Requirement
      1. Hardware
      2. Software
   6. Test Schedule
   7. Change Request
   8. Entry /exit criteria
      1. Entry Criteria for this testing
      2. Exit Criteria for this testing
   9. Test Cases
   10. Risk /Assumptions
   11. Tools

Introduction

This document describes the change/update/enhancement in the Product to be tested and the approach used for this testing. All the code changes, enhancements, updates, added features are outlined to be tested. Test cases used for unit testing and Integration testing can be used to create a test suite for Regression.

Purpose

Purpose of Regression Test Plan is to describe what exactly and how testing would be performed to accomplish the results. Regression check is done to ensure that no other functionality of the product is hampered because of the code change.

Test Strategy

Test Strategy describes the approach which will be used to perform this testing and that includes the technique that will be used, what will be the completion criteria, who will be performing which activity, who will write the test scripts, which regression tool will be used, steps to cover the risks like resource crunch, delay in production etc.

Feature to be tested

Feature/components of the product to be tested are listed here. In regression, all the test cases are re-executed or the ones which affect the existing functionality are chosen depending on the fix/update or enhancement done.

Resource Requirement

Hardware

Hardware Requirement is identified here like computers, laptop, Modems, Mac book, Smartphone etc.

Software

Software Requirement is identified like which Operating system and browsers will be required.

Test Schedule

Test schedule defines the estimated time for performing the testing activities.

Change Request

CR details are mentioned for which Regression would be performed.

Entry /exit criteria

Entry Criteria for this testing

Entry criteria for the Product to start Regression check are defined.

For Example:

* Coding changes/enhancement/addition of new feature should be completed.
* Regression test Plan should be approved.

Exit Criteria for this testing

Here the exit criteria for Regression are defined.

For Example:

* Regression testing should be completed.
* Any new critical bugs found during this testing should be closed.
* Test Report should be ready.

Test Cases

Regression Test cases are defined here.

Risk /Assumptions

Any risk & assumptions are identified and a contingency plan is prepared for the same.

Tools

Tools to be used in the Project are identified. Such as:

* Automation tool
* Bug Reporting tool