RemoveString Test Plan

Table of Contents

Introduction

This outlines the testing process for validating the RemoveString API

1. Objectives

RemoveString API provides two methods to remove all occurrences of a character from a string. Method removeStringIterator() removes the character by iterating to the array of string characters. RemoveString() removes the character using String method; replaceAll().

2. Team Members

Resource Name	Role
Jane Doe	Developer
Ismelito Malonzo	Automation
Ismelito Malonzo	Tester

2. Scope

The scope of automation and testing covers only the functionality of the two methods. Positive and negative test cases are generated and maintain in the Git repository.

3. Assumptions / Risks

3.1. Assumptions

Software requirements are approved, test cases are created and automation tickets will be added in the sprint

3.2. Risks

#	Risk	Impact	Trigger	Mitigation Plan
1	Scope Creep – as testers become more familiar with the tool, they will want more functionality	High	Delays in implementation date	Each iteration, functionality will be closely monitored. Priorities will be set and discussed by stakeholders. Since the driver is functionality and not time, it may be necessary to push the date out.
2	Changes to the functionality may negate the tests already written and we may loose test cases already written	High – to schedule and quality	Loss of all test cases	Export data prior to any upgrade, massage as necessary and re-import after upgrade.
3	Weekly delivery is not possible because the developer works off site	Medium	Product did not get delivered on schedule	
4				

4. Test Approach

The testing will be limited to functionality testing of the two methods where positive and negative scenarios.

4.1. Test Automation

Automated unit tests are part of the development process and will be part of Sprint planning.

Git repository: https://github.com/idmlnz/assessment

5. Test Environment

Linux machine with Java JDK and JUnit installed.

6. Milestones / Deliverables

6.1. Test Schedule

To be filled after the kick off.

Task Name	Start	Finish	Effort	Comments
Test Planning				
Review Requirements documents				
Create initial test estimates				
Staff and train new test resources				
First deploy to QA test environment				
Functional testing – Iteration 1				
Iteration 2 deploy to QA test environment				
Functional testing – Iteration 2				
System testing				
Regression testing				
UAT				
Resolution of final defects and final build testing				
Deploy to Staging environment				
Performance testing				
Release to Production				

6.2. Deliverables

Deliverable	For	Date / Milestone
Test Plan	Project Manager; QA Director; Test Team	
Traceability Matrix	Project Manager; QA Director	
Test Results	Project Manager	
Test Status report	QA Manager, QA Director	
Metrics	All team members	