**Test Plan**

**Google Translate Project**

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**Document history**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description of Change** |
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**Approvers List**

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| --- | --- | --- | --- |
| **Name** | **Role** | **Approver** | **Approval Date** |
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**Reference Documents**

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| **Version** | **Date** | **Document Name** |
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1. **Introduction**

This is the designed test plan to test the Google translate projects. Google translate is a service developed by the Google to translate different languages into another (<https://translate.google.com/>). It is developed as a website interface and exists in both iOS and android mobile applications. It supports more than 109 languages in the world. However, this test plan will test only the text translation between the Sinhala and English languages and only the website interface.

Test deliverables, objectives, test responsibilities of the testers and milestones which needs to be achieved within a specific time frame are described in the test plan.

1. **Scope**

This test plan target only the functional testing and basic UI testing. Testing will be done according to the designed testcases.

Functions to be tested.

Search and filters

Correct translation output

Performance

UI

1. **Objectives**

Primary Objective

Primary objective of this test plan is to ensure that this system meets the customer requirements and delivers a quality product which satisfy users expectations.

Secondary Objective

Identified secondary objectives are to expose all the issues and reporting them to the development team and tracking the bug fix before the production release. To make sure that all the areas and every possible path is explored and error free.

1. **Test approach**

Testing this system is done using the Agile methodology where project sprint duration is two weeks. Agile methodology has customer collaboration from the beginning and as testing and development is done simultaneously helps to identify the errors earlier. This system needs to be tested from one word to another and from one letter to letter. Once the test plan is approved, test cases are designed. Black box testing is used to verify right letter, or the word gives the respective correct translation.

1. **Roles and responsibilities**

|  |  |  |
| --- | --- | --- |
| **Role** | **Staff Member** | **Responsibilities** |
| Project Manager |  | * Responsible for scheduling the project tasks |
| QA Lead |  | * Planning the testing activities across the entire project * Coordinate the team. * Report to PM |
| QA |  | * Writing the test cases * Bug reporting and tracking * Coordinate with the QA lead |

1. **Entry and exit criteria.**

Entry criteria

* All the required documentation, complete test cases must be available.
* Test data must be available.
* Testing environment must be ready.
* All the bug reporting tools, and other software’s must be updated with the sprint.

Exit criteria.

* All the reported bugs must have been fixed or else minor bugs with low priority can be left out.
* Basic requirements must have been covered.

1. **Testing types**

* Black box testing
* UI testing
* Performance testing
* User acceptance testing

1. **Bug priority and severity levels**

|  |  |  |  |
| --- | --- | --- | --- |
| **Severity ID** | **Severity** | **Severity description** | **Priority level** |
| **1** | **Critical** | **Product crashes** | **Must be fixed, immediately** |
| **2** | **High** | **Incorrect functionality in major functions** | **Must fix** |
| **3** | **Medium** | **Incorrect functionality in medium functions** | **Fix** |
| **4** | **Minor** | **Bugs which least affect the system.** | **Better if fixed** |

1. **Resources and environmental needs**

|  |  |
| --- | --- |
| **Process** | **Tools** |
| Test case creation | Excel |
| Bug reporting | Jira |
| Bug tracking | Jira |
| Test reporting | PDF |

**Test environments**

Windows: Windows 10

Web browsers: Microsoft edge, Google chrome, Mozilla Firefox, Opera

1. **Test Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Start Date** | **End Date** | **Comments** |
| **Test Plan** | 2021/05/28 |  |  |
| **Review the requirement documents** | 2021/06/05 |  |  |
| **Train the staff** |  |  |  |
| **Deploy to staging environment** |  |  |  |
| **Functional testing** |  |  |  |
| **Deploy to simulation environment** |  |  |  |
| **Regression testing** |  |  |  |
| **User acceptance testing** |  |  |  |
| **Smoke testing** |  |  |  |
| **Deploy to production environment** |  |  |  |

**Approvals**

|  |  |  |
| --- | --- | --- |
|  | **Project Manager** | **QA Lead** |
| **Name** |  |  |
| **Signature** |  |  |