

Test Strategy – Gurukula

**Gurukula**

 The application is used to maintain Branches and Staff information, provides features to register new users.

**Test Strategy**

**Revision History**

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| --- | --- | --- | --- |
| Date | Version | Author | Description |
| 20-06-2019 | v.01 | Swati | Draft |
| 28-06-2019 | v.02 | Swati | Final |
| 28-06-2019 | v.03 | Swati |  |
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# Scope

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| --- | --- |
| Reviewer | Pavithra Jayaraman |
| Approver | Pavithra Jayaraman |
| Testing Activities: | **Expected End Date** |
| Test Strategy Preparation | 20-06-2019 |
| Identifying Automatable Test scenarios | 21-06-2019 |
| Framework creation and setup | 24-06-2019 |
| Test Script Creation | 26-06-2019 |
| Test Execution | 26-06-2019 |
| Multi browser testing | 26-06-2019 |
| Defect Reporting | 27-06-2019 |
| Testing Summary | 28-06-2019 |

# Test Approach

**Process of testing**

* We have adopted a functional and Automated testing approach
* Automatable test scenarios will be identified, and test execution will be performed through automated test scripts
* Defects and observations will be logged in Excel and share with the development team

**Testing levels**

We will be testing application in three levels.

* Functional testing
* Automation test suite execution
* User Acceptance Testing (Performed by stakeholders)

**Roles and responsibilities**

* Analysing the requirement document
* Writing test scenarios and test cases
* Identifying automatable test scenarios
* Selection of type of Framework
* Setting up framework for automation
* Creating automation scripts for identified scenarios
* Logging defects, re-testing the fixed defects
* Attending defect triage meetings
* Performing testing closure activities, test summary report, sign offs

# Test Environment

* Testing will be done in below two environments

Local: http://127.0.0.1:8080

External: http://192.168.1.9:8080

* Dummy test data has been used for running the test cases and provided as part of Test Suite.

# Testing Tools

* Automation and Test management tools:

-Require IDE for writing scripts

-Require Selenium Jar files

-Requires MS Office for documentation

Open source tools

* Eclipse IDE
* Selenium WebDriver

Commercial tools

* MS Office

# Release Control

* Release management plan with appropriate version history that will make sure test execution for all modification in that release completed
* Providing testing signoff when all defects will be re-tested and fixed
* In case of any open or deferred defects conditional signoff will be provided by Testing team

# Risk Analysis

* Scope of the project is not clear
* High priority defects should be fixed and closed
* System should be up and running
* Continuously changing requirements

**Mitigation Plan**

* Have setup a call with business analyst to understand the missing details on requirements
* Business requirements should be properly documented
* Application outage should be addressed quickly and backup servers ready
* Requirement should be finalized before testing starts

# Review and Approvals

* All these activities are reviewed and sign off by the business team, project management, development team, etc.
* Summary of review changes should be traced at the beginning of the document along with approved date, name, and comment