GROUP-4

URBANLADDER.COM

**Test Strategy**

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# **Scope and Overview**

Scope defines the high-level items that will be tested and also details items excluded from testing.

* The document will be reviewed and approved by XYZ
* The testing of the modules should be completed by 29th November 2021.

# **Test Approach**

* **UNIT TESTING**
* To check whether the module **“DINING”** satisfies the requirement.
* The testing will be done by XYZ using the tool “**Protractor**”.
* The testing will be starting on 29th November 2021.

# **Test Environment**

* **Software Requirements:**

* Chrome browser
* Chrome driver executable file
* ide
* node
* node packages of protractor

**Hardware Requirements:**

* Microsoft Windows 7 with Service Pack 1
* Microsoft Internet Explorer 9.0 or later.
* Intel Core 2 Duo 2 GHz or higher.
* 2 GB of RAM.
* 1.5 GB of free disk space for installation, plus extra space for temporary files during test runs (see below).
* 1024 × 768 or higher display resolution.
* Mouse or another pointing device.

# **Testing Tools**

**PROTRACTOR**

Protractor is an end-to-end test framework for Angular and AngularJS applications. Protractor runs tests against your application running in a real browser, interacting with it as a user would.

**Protractor** is an automation and end-to-end behavior-driven testing tool that plays an important role in the testing of AngularJS applications and works as a Solution integrator combining powerful technologies like Selenium, Jasmine, Web driver, etc. The purpose of Protractor Testing is not only to test AngularJS applications but also for writing automated regression tests for normal Web Applications as well.

# **Release Control**

* Release testing refers to coding practices and test strategies that give teams confidence that a software release candidate is ready for users.
* Release testing aims to find and eliminate errors and bugs from a software release so that it can be released to users.

# Risk Analysis

* All possible risks related to the project that can become a hurdle in test execution are defined in test strategy document.
* In addition to listing these risks, a clear plan is also created to ensure that they are tackled appropriately.
* A contingency plan is also developed in case these risks are encountered by the development team in reality.

# **Review and Approvals**

Once all the activities are defined in the test strategy document, it is reviewed for sign-off by the people involved, such as the project management, business team, development team and system administration team.

Along with the proper date, comment and approver name, the summary of the reviewed changes should be tracked since the beginning of the document.

Also, it should be continuously reviewed and updated with the testing process enhancements.