**TEST PLAN**

**Project:** Lyft

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**Introduction:**

This document represents the test plan and strategy for Lyft website. It includes the scope, approach, risks and responsibilities.

**Scope:**

As part of the project, scope for software testing includes strategy of identifying, writing and execution for the Rider Lyft cities page. Following are the important features to consider.

* Identification of key features offered by Lyft on cities page.
* Converting requirements into testcases.
* Determining priority of test cases.
* Categorize test cases for smoke, functional, and regression based on priority.
* Identifying supported browsers, platforms, tools, and resources.
* Identifying Test schedules and Reports for quality sign off.

**Not in Scope:**

* Validation for Driver Lyft cities page.
* Some of the Dynamic content.

**Roles and Responsibilities:**

**QA Manager:**

* Responsible for reviewing Test plans and giving feedback
* Analyzing Reports, Defects and quality trends
* Final sign off

**QA Lead:**

* Responsible for writing and updating test plan based on requirements
* Writing and executing Test cases
* Preparing and reviewing Requirement Traceability Matrix (RTM)
* Guide testers, review defects and reports

**Testers:**

* Understand requirements
* Writing and executing test cases
* Defect reporting and tracking
* Sanity and regression testing
* Bug Review meeting

**Test Approach:**

* Test cases will be written by Test Lead and testers based on requirements
* Test cases shall be peer reviewed.
* Test data and dependencies should be resolved before execution.
* Defects identified should have steps to reproduce, logs, videos or screenshot.
* Defects shall be identified with severity/priority and shall be retested.

**Test Environments**

* Functional testing shall be performed in QA environment.
* Regression and End to End shall be performed in Preprod Environment.

**Test Estimates**

* Requirement analysis
* Test case creation
* Test case execution
* Result Analysis

**Test Tools:**

* Testcases will be written in Excel/MS word/Confluence
* Browsers- Chrome/Safari/Firefox
* Automation tool- Selenium/Protractor
* Defect Management tool – JIRA
* CI/CD – Jenkins

**Test Schedule:**

* Functional: Daily
* Regression: For every PR/Daily
* End to End: Pre-production

**Test Reports:**

Test reports shall include following information

* Number of planned Testcases vs execution.
* Number of pass vs failures.
* Defects identified based on Severity/Priority.

**Test Sign off/ Exit criteria:**

Test sign off will be done based on following.

* All important testcases should be executed (P0, P1 and P2).
* Showstoppers, Major and Medium defects are closed and re-tested.

- Product Owner approval based on reviewing low priority defects and requirements.

**Risks:**

* Screen resolutions
* Mobile browsers
* Cookies
* External Service dependencies
* Changes to the functionality may negate the tests already written

**Test Cases:** [**Click here**](https://docs.google.com/spreadsheets/d/1aqyTYtJfkxik1n7oAgp33QaezW9Z2UvPHc2fpMxjZ60/edit?usp=sharing)