Test Plan for "Rent A Car" Functionality

## Introduction

The purpose of this test plan document is to ensure the functionality, usability, and reliability of “Rent a Car” functionality on the Lyft website (<https://www.lyft.com/rider/rentals>).

This test plan will focus on the verification of positive and negative cases related to the “Rent a car” feature.

## Scope

The test plan will cover the testing of “Rent a Car” feature including but not limited to:

* Input fields validation
* Error handling
* User experience (on different screens mobile + web)
* Payment integration (if applicable)
* Cross browser compatibility

## Approach

Testing will be performed on different browsers and devices to make sure of the compatibility.

Regression will be done using automated tests for repetitive cases.

## Test Scenarios

### Positive Scenario

**Test case:** Verify that the user should be able to successfully do Car rental Booking.

**Preconditions:**

* User is logged in to the Lyft website.

**Steps:**

* Navigate to the “Rent a Car” section
* Fill in all the required fields (e.g name, email, phone, location, dates, car model etc)
* Attempt to complete booking

**Expected Result:**

* Confirmation message should appears (toast message)
* User should received the booking confirmation on the email and phone
* Booking should be visible on the user’s dashboard along with details (Car, day/time, etc)
* User should be able to see and manage booking

### Negative Scenario:

**Test case:** Verify the error handling for invalid input

**Preconditions:**

* User is logged in to the Lyft website.

**Steps:**

* Navigate to the “Rent a Car” section
* Enter invalid or incomplete information (e.g name, email, phone, location, dates, car model etc)
* Attempt to proceed with the booking

**Expected Result:**

* Appropriate error messages should be displayed on each field
* User should be prevented from proceeding until valid information is provided
* Error messages should be clear and descriptive for user

## Test Environment

Operating system: Windows, macOS, IOS, Android

Browser: Chrome, Firefox, safari, Edge

Devices: Desktop, smart phone, Laptop, Tablet

### Deliverables

* Test cases document
* Test cases execution report
* Defect report

### Risks and Mitigation

Risk: Integration issues with payment gateways.

* Mitigation: Collaborate closely with the payment gateway provider, perform thorough testing, and have a rollback plan in case of failures.

Risk: Inconsistencies in data validation.

* Mitigation: Implement stringent validation rules, conduct boundary testing, and ensure clear error messages for users.

### Schedule

Testing will commence on [start date] and is expected to be completed by [end date].

### Approval

This test plan needs approval from the project stakeholders before testing starts

### Additional Notes

* Any additional test scenarios identified during testing will be documented and executed accordingly.
* Continuous communication between testing and development teams is essential for effective issue resolution and progress tracking.