**High level Test Plan for "Rent a car" functionality of Lyft**

**1. Testing Objectives:**

• Validate that users can successfully browse, select, and rent cars through the Lyft website.

• Check the map if proper/shortest route is displayed.

• Ensure accurate pricing according to distance and availability information is displayed.

• Verify the booking process, including car selection, duration, and payment.

• Confirm that users receive accurate confirmation and booking details.

2. Scope:

Testing booking confirmation of Lyft Car rental system from start to finalize ride for a fixed destination and date.

**3. Testing Approach:**

• Manual testing will be the primary approach to verify system is usable and working without any issues.

**4. Test Scenarios:**

Car Browsing and Selection:

1. Verify that the list of available cars is displayed correctly with relevant details (make, model, features).

2. Confirm that users can filter cars based on criteria (e.g., car type, location, date).

3. Test the sorting functionality to ensure it correctly arranges cars by price, popularity, etc.

Booking Process:

4. Validate that users can select a car and proceed to the booking page.

5. Test the booking form to ensure it collects all required information (pickup date, return date, driver's information).

6. Verify that the pricing displayed matches the selected options and duration.

Payment and Checkout:

7. Test various payment scenarios (credit card, PayPal, etc.) to ensure successful payment processing.

8. Verify that users receive a confirmation screen after payment, summarizing their booking details.

Booking Confirmation:

9. Validate that users receive a confirmation email containing accurate booking information.

10. Test the cancellation process to ensure users can cancel a booking and receive appropriate notifications.

**5. Test Data and Environment:**

• Use test valid and invalid data for bookings, payments, and user profiles to avoid affecting real data and identify any validation issues.

• Testing will be performed on test/staging environments of the Lyft website to prevent impact on production users.

**6. Test Execution:**

• Testers will execute the test scenarios manually, recording their observations and outcomes.

• Regression testing will be performed after each update to ensure new changes do not break existing functionality.

**7. Defect Reporting and Tracking:**

• Any defects identified during testing will be logged in a defect tracking tool (e.g., JIRA) with detailed steps to reproduce.

• Defects will be assigned to developers for resolution and retested after fixes.

**8. Acceptance Criteria:**

• All critical test scenarios must pass before considering the "Rent a Car" functionality ready for release.

• Minor defects may be accepted if they do not impact the core booking process or user experience.

**9. Test Deliverables:**

• Test case documentation outlining the scenarios and steps.

• Defect reports with clear descriptions and supporting evidence.

• Test summary report indicating the overall testing status and any outstanding issues.

**10. Risks and Mitigations:**

• Risks: Payment processing failure, inaccurate availability information, third-party integration issues.

• Mitigations: Conduct thorough testing of payment scenarios, synchronize data with external services, and monitor API integrations.

**11. Schedule:**

• Test execution will be carried out according to the project timeline, ensuring sufficient time for thorough testing and bug fixing.

This high-level test plan provides an outline for testing the "Rent a Car" functionality on Lyft's website. It's important to adapt this plan to the specific context of your project, considering your team's processes, resources, and the Lyft website's actual functionality.

**12. Positive Scenario:** Successful Car Booking through the system.

1. User can select date and destination and book a car.

2. Users get the correct driver information and schedule.

3. Driver received the user information and schedule.

4. User went through smooth payment process using payment option.

**13. Negative Scenario:**

* **Invalid location:** User provided an invalid location with is not available or out of coverage and still able to book a ride.
* **Invalid Payment:** User went through every step and upon payment pay confirmation screen not appeared. User charged for the ride but ride is not confirmed.