Test Strategy Document

Project Name: Car Purchasing

## 1. Objective of Testing

To ensure that the Car Purchasing web application functions as intended and meets the defined requirements.

## 2. Application Type

Web Application

## 3. Features to be Tested

- Registration

- Login

- Admin functionalities

- Advertisement

- Search

- Reserve

## 4. Scope of Testing

All functional areas of the application are within scope. No features are currently excluded from testing.

## 5. Out of Scope

Currently, no features are excluded from testing.

## 6. Test Levels

- Integration Testing

- System Testing

- User Acceptance Testing (UAT)

## 7. Types of Testing to be Performed

- End-to-End Manual Testing

- Functional Testing

- Regression Testing

- User Acceptance Testing (UAT)

## 8. Test Approach

All tests will be conducted manually. Test cases will be designed based on the requirements and executed in sequence.

## 9. Test Design Tools

- Microsoft Excel

## 10. Test Execution Tools

- Manual execution (No automation tools will be used)

## 11. Test Environment

- OS: Windows 10+

- Browsers: Chrome

- Environment: Staging environment matching production setup

## 12. Entry and Exit Criteria

\*\*Entry Criteria:\*\*

- Code freeze complete

- Test environment set up

- Test cases reviewed and approved

\*\*Exit Criteria:\*\*

- All critical test cases passed

- No open high-severity defects

- UAT approval received

## 13. Test Participants

All members of the development and QA teams will participate in the testing process.

## 14. Metrics to be Collected

- Pass/Fail Ratio

- Defect Density / Defect Rate

- Test Coverage

- Requirements Coverage

## 15. Test Deliverables

- Test Strategy Document

- Test Cases

- Bug Reports

- Test Summary Reports

- Requirements Traceability Matrix (RTM)

## 16. Defect Management

- Defects will be logged using Microsoft Excel

- Each defect will include severity and priority

- Lifecycle: New → In Progress → Fixed → Retested → Closed

## 17. Risks and Mitigation

\*\*Risk:\*\* Project delivery delays

\*\*Mitigation:\*\* Continuous monitoring of timelines, early risk identification, and stakeholder communication.

## 18. Change Management

- CRS and SRS documents will be updated

- Corresponding test cases will be revised

- Code and design will be adjusted

- Change impact will be analyzed and reported