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**Car Connect Test Plan**

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Reviewed by:

Car Connect Test Plan

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# Objective:

* Communicate to all stakeholders the detailed plan for running the UAT tests.
* Define the scope of what will be tested.
* Estimate the people and other resources required.
* Organise the activities and timescales.
* Specify the approach taken to testing.
* Define the deliverables expected.

# Scope:

* Out Of Scope:

1. All Non-functional testing including performance and security
2. The functionality of sorting the items in the home page with most popular (mentioned in in Car\_SRS\_XXX)
3. The functionality of changing the car status to free again if it is not confirmed to be sold within 24 hrs (mentioned in Car\_SRS\_40)
4. Testing on any Browser except Chrome

* In Scope:

1. Registration and Login/Logout functionality
2. Admin functionalities including (Add user, View user, Delete user, Edit user, Add car, Remove car, Change car status)
3. User functionalities including (Search for cars, reserve cars, add car for selling, edit his/her information)
4. UI testing according to the wireframes approved in the SDD.

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# Testing Strategy

Testing is the process of analyzing a software item to detect the differences between existing and required conditions and to evaluate the features of the software item. The strategy for testing car connect web app is functional, black box manual testing.

# Testing Approaches

## Component testing

Individuals will test the components they didn’t work on during the development phase, to ensure the independence of testing and that the testing done against the requirements only.

## Integration testing

A detailed set of test cases will be created and executed. These test cases will completely and at the very least cover all requirements detailed in the SRS and are in the testing scope. The tests will be performed manually through the user interface against the fully integrated system containing all components.

## Regression testing

When a change is made to the system, all test cases for all components relating (directly or indirectly) to the modified component will be re-executed.

## System testing

System testing will be executed by one of the testing team at the end of the testing phases using just exploratory testing to ensure that the main functionalities of the system as a whole are working as expected

# Pass/Fail Criteria

## Suspension criteria

Test case execution will be suspended if a critical failure that impedes the ability or value in performing the associated test(s) is discovered

## Resumption criteria

Test case execution will be resumed when a developer thinks the problem causing suspension has been fixed. All test cases that exercise the modified portions of the project will be re-executed

## Approval criteria

The results of each test case will be considered “approved” if the results meet the expected results description in the test case.

# Test Deliverables:

1. Test Plan
2. Test cases sheet for each functionality mentioned in the scope section
3. Bug report sheet for each functionality mentioned in the scope section
4. Final test report

# Test Environment:

OS: Windows  
Version: Windows 10  
Browser Used: Google Chrome  
Version: 74

Website URL: <http://localhost:8080/Car_implementation/>

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# Responsibilties & Schedule:

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| --- | --- | --- | --- | --- |
| Software Module | Responsible for 1. TCs Preparation  2. TCs Execution  3. Bug Reporting | Reviewed By | Start date | End Date |
| Login ( as user/ as admin) & Logout | Hager |  |  |  |
| Registration | Hager |  |  |  |
| Reservation and viewing car details | Fatma |  |  |  |
| Search & Sort by price, color and model (as user/ as admin) | Jannat |  |  |  |
| Change Car Status (as admin) | Sarah |  |  |  |
| Add user/ Delete user/ Edit user / View user | Sarah |  |  |  |
| Add Car/ Remove car ( as admin) | Mina |  |  |  |
| Add Car/ view added cars (as user) | Mina |  |  |  |
| Home/ About us | Mina |  |  |  |
| View Reserved Cars (as admin) | Jannat |  |  |  |
| My Profile/ Edit Profile information (as user) | Fatma |  |  |  |