

Design, Develop, Implement, Test Document Used Car Sales Portal Website

Module Project

Module: Application Development & Process

Course: Applied Degree in Software Engineering

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Learner Name : Chathushi Jayarathna

Enrollment ID : <ID>

Presentation Date : <Date>

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1. Project Definition

Project Background

You have been approached by 'ABC Cars Pte Ltd' as a website developer to develop a Used Car Sales portal. Users will be able to register in the portal using the Registration Page. Users of the portal can search for Cars using Make, Model, Registration & Price Range. Users will be able to view the Car information after searching them. The portal allows users to login, post Car for sale.

Project Objective

There are 2 types of users in this Used Cars Sales portal. They are

- Users
- Administrator

Users should be able to perform following functions in the portal

- Register in the Portal
- Login to the Portal
- Post a Car for Sale along with Picture upload
- Deactivate an Existing car sale
- Update their Profile after logging in.
- Book an appointment for test drive
- Post the bidding price

1. Project Definition

Administrators should be able to perform the following functions in the portal

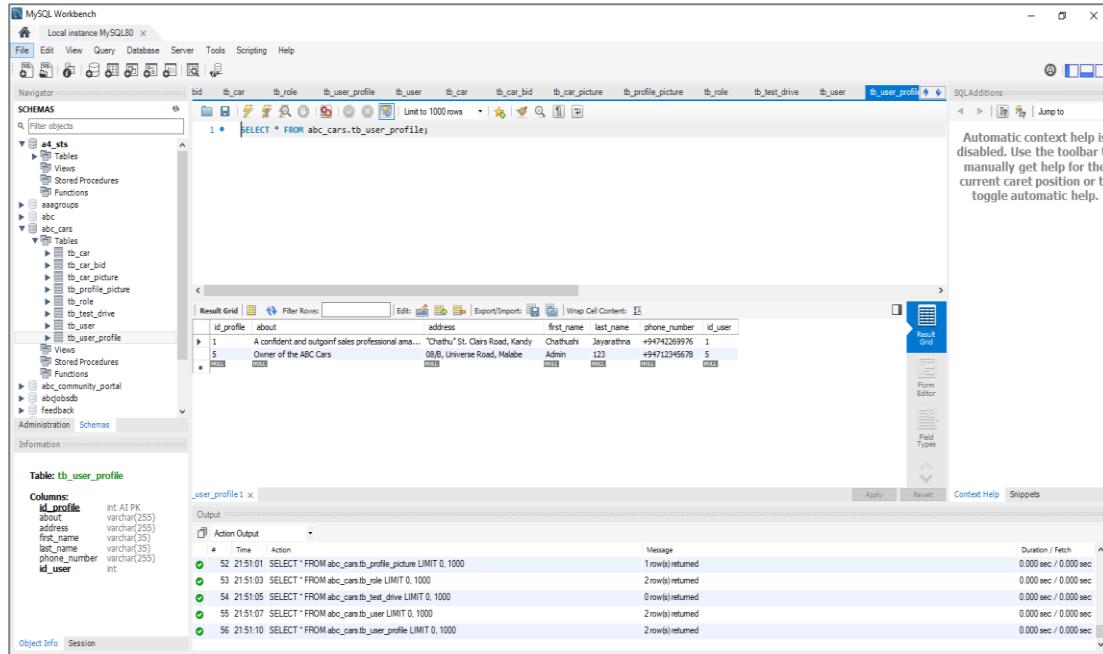
- Register in the Portal
- Login to the portal
- View List of Registered Users
- Mark a User as Administrator
- Activate / Deactivate a Car post
- Update their profile
- Approve or deny the users appointment based on the bidding
- Transact the sales if price is right

Both Users & Administrator

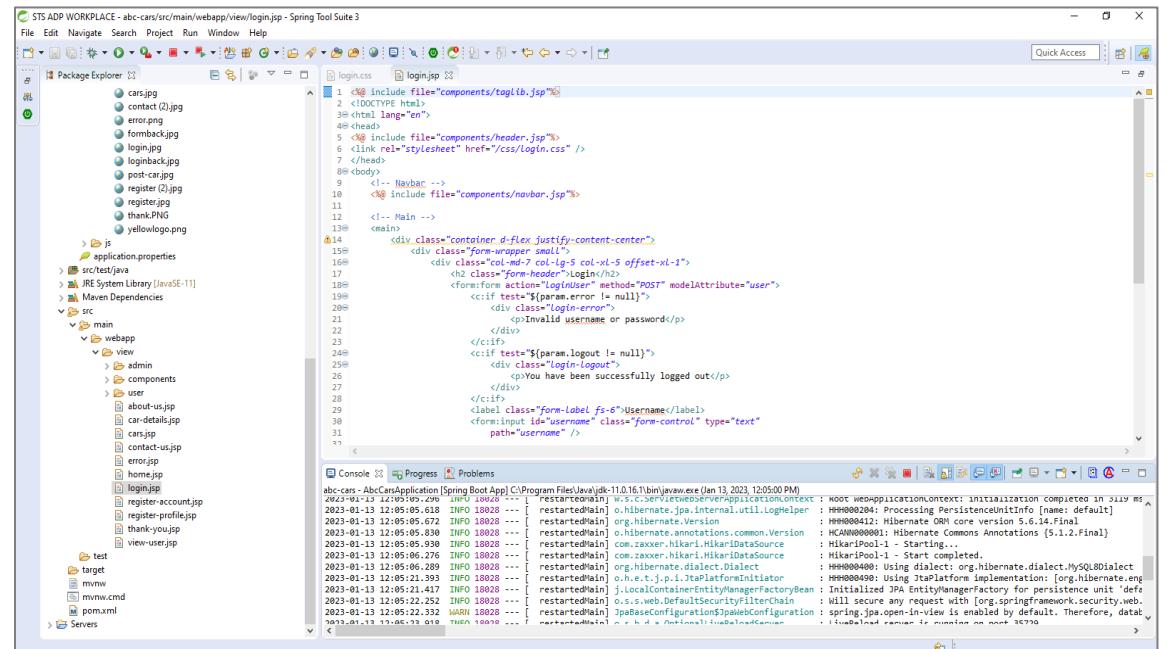
- Visit Home Page
- View Car Listing
- Search for a Car by Make, Model, Registration Year & Price Range
- About Us Page
- Contact Us Page

2. List of software used

MySQL Workbench

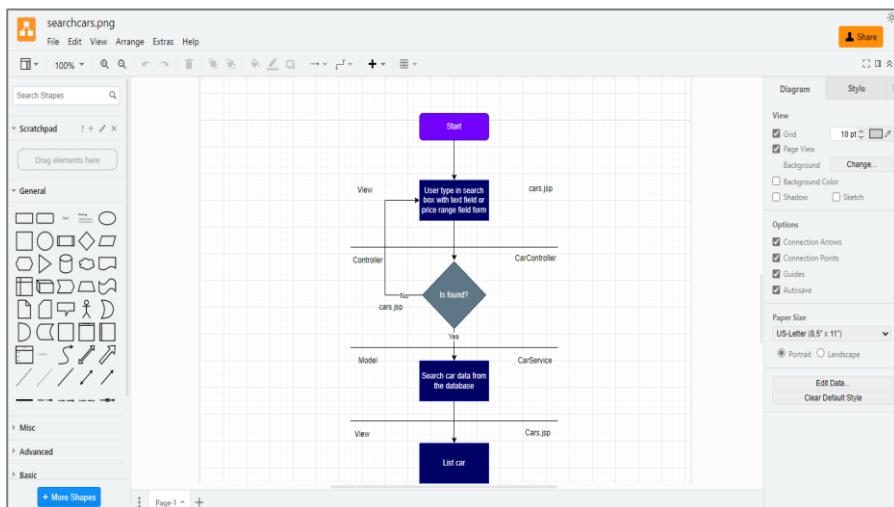


Spring Tool Suite

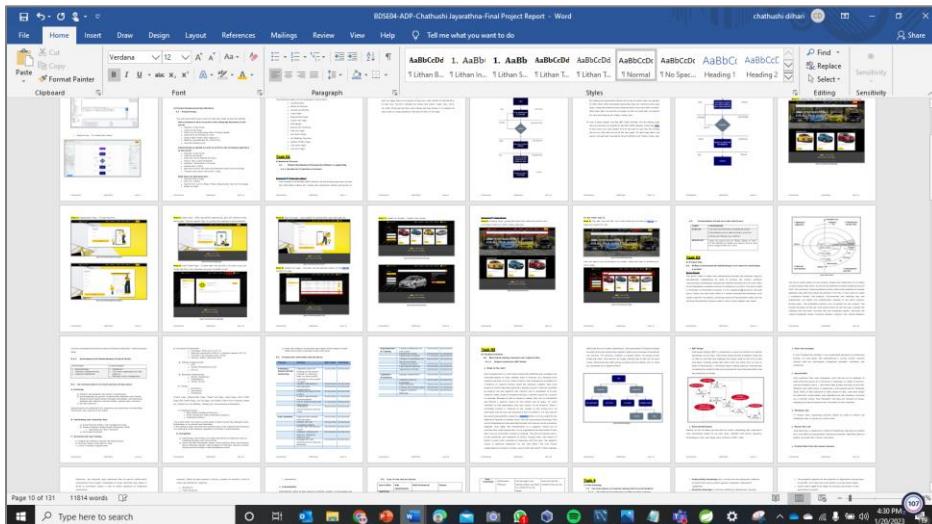


2. List of software used

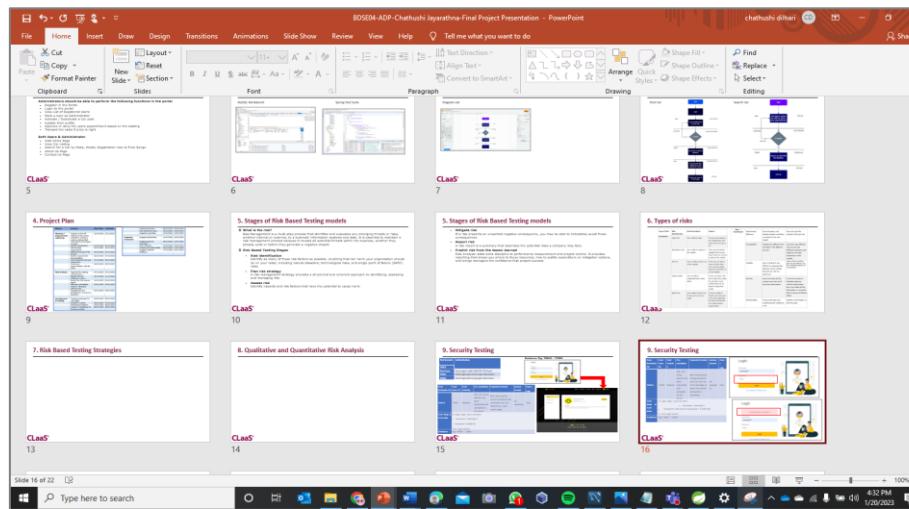
Diagram.net



MS Word

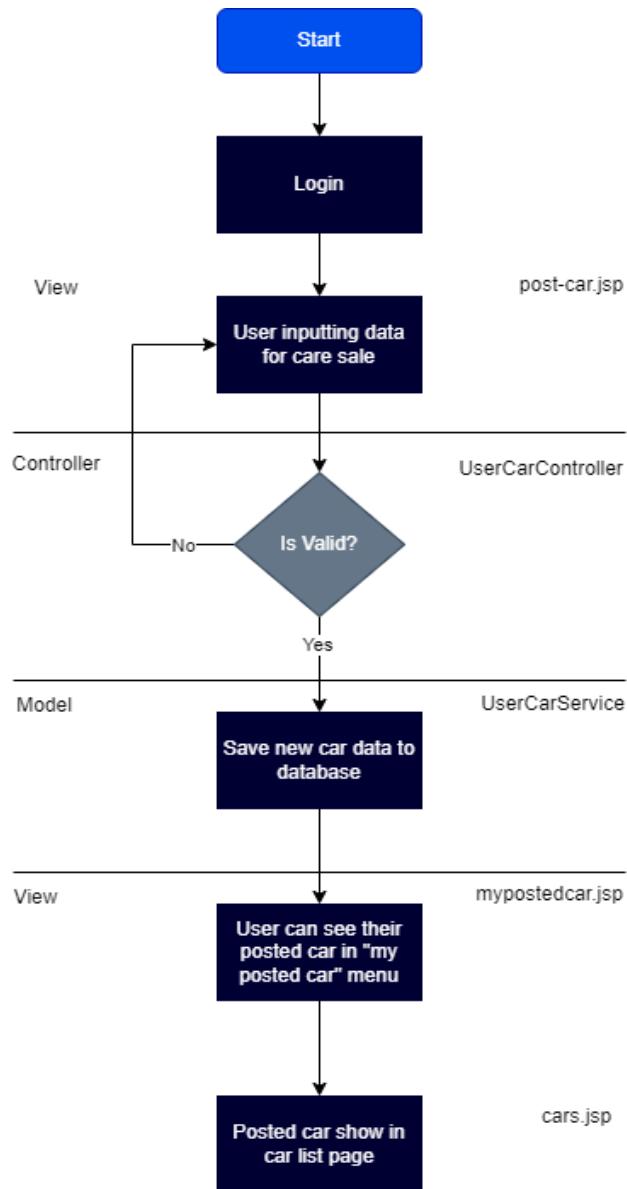


MS PowerPoint

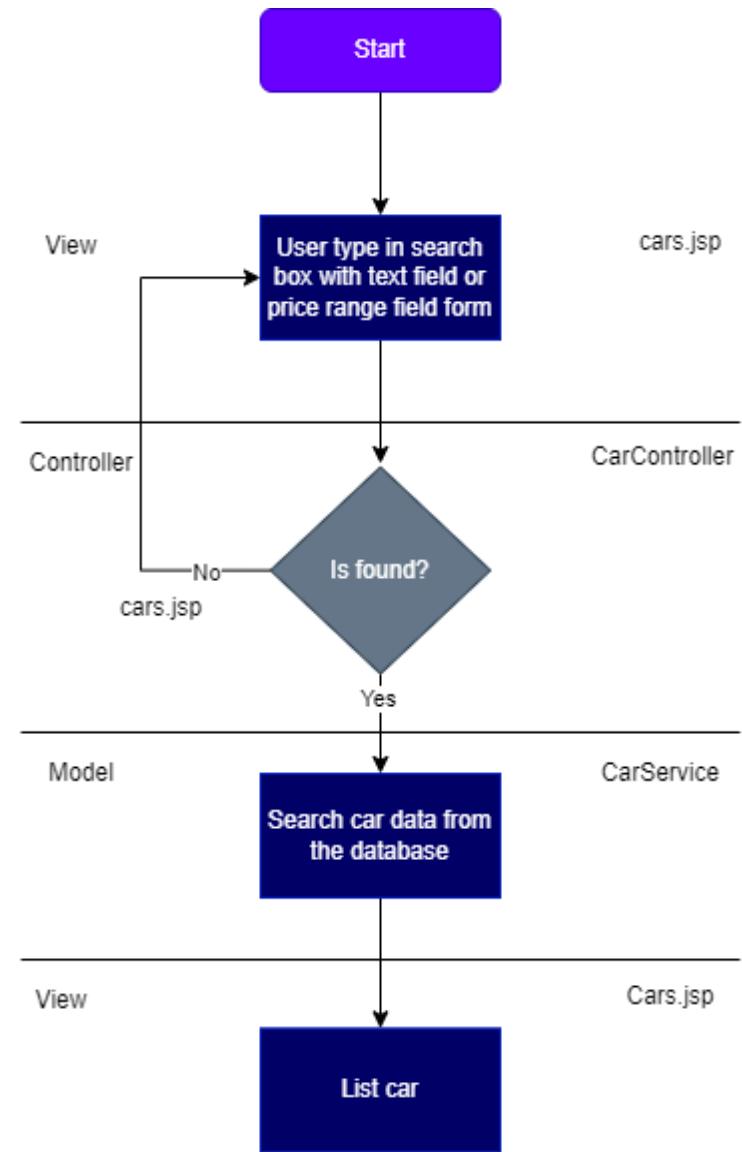


3. Business Process

Post Car



Search Car



4. Project Plan

Phases	Activity	Start Date	End Date		Creating test plans.	09/01/2023	10/01/2023
					Risk assessment plan.	10/01/2023	12/01/2023
					Inspection activities.	12/01/2023	13/01/2023
Planning / Requirements Gathering.	Organize a kick-off meeting of the project (related to creating a used car sales portal) controlled by the project manager.	22/12/2022	23/12/2022		Customer Evaluation	Engage shareholders.	13/01/2023
	Identify stakeholders.	23/12/2022	24/12/2022			Creating plans for evaluation.	14/01/2023
	Add business requirements.	24/12/2022	25/12/2022			Data collection.	15/01/2023
	Setting the scope of the project.	25/12/2022	26/12/2022			Process and analyse data.	16/01/2023
	System requirements documentation.	26/12/2022	27/12/2022			Suggest customer feedback.	17/01/2023
	List of required units and subsystems.	27/12/2022	28/12/2022				18/01/2023
	Continuous communication with the client.	28/12/2022	29/12/2022				
Risk Analysis.	Organize the meeting with the team.	29/12/2022	30/12/2022				
	Identify the risk mitigation system.	30/12/2022	31/12/2022				
	Review the risk analysis report.	31/01/2023	02/01/2023				
	Software vulnerability analysis. Managing software risk.	02/01/2023	03/01/2023				
	Management and identification of technical feasibility.	03/01/2023	04/01/2023				
Development & Testing.	Creating prototypes for web pages.	04/01/2023	05/01/2023				
	Worked on coding.	05/01/2023	07/01/2023				
	Interactional diagram.	07/01/2023	08/01/2023				
	Creation of databases for the given project.	08/01/2023	09/01/2023				

5. Stages of Risk Based Testing models

What is the risk?

Risk Management is a multi-step process that identifies and evaluates any emerging threats or risks, whether internal or external, to a business' information systems and data. It is essential to maintain a risk management process because it reveals all potential threats within the business, whether they already exist or before they generate a negative impact.

Risk Based Testing Stages

- **Risk identification**

Identify as many of these risk factors as possible. Anything that can harm your organization should be on your radar, including natural disasters, technological risks, and single point of failure (SPOF) risks.

- **Plan risk strategy**

A risk management strategy provides a structured and coherent approach to identifying, assessing and managing risk.

- **Assess risk**

Identify hazards and risk factors that have the potential to cause harm

5. Stages of Risk Based Testing models

- **Mitigate risk**
If a risk presents an unwanted negative consequence, you may be able to completely avoid those consequences
- **Report risk**
A risk report is a summary that describes the potential risks a company may face.
- **Predict risk from the lesson learned**
Risk Analyser adds extra discipline to performance measurement and project control. It provides reporting that shows you where to focus resources, how to justify expenditure on mitigation actions, and brings managers the confidence that project success

6. Types of risks

Type of Risk	Risk Identification	Risk Description	Impact	Non - Functional	Performance Efficiency	Cars list page is not loading properly and there is a picture of car not loaded	User can't see the content of the cars list	
Functional	Login Risk	User unable to login	If users cannot login to the website they can't post or bid car to buy a car		Compatibility	Website has different look and feels in the different browser	User that uses different web browser has different experience and might be ruin their experience on the website	
	Registration Risk	User unable to register to the website	If the user not able to register then the user doesn't have an account to login to the website					
	Post Car	User not able to post a car on the website	If the user not able to post a car then they can't use the website features to sell their car on the website		Usability	User is finding it very difficult on accessing the features on the website like post car, bid car, search car	Users will be confuse and will not able to use the website properly as it should be	
	Update Profile	User not able to update/edit their profile detail	If user not able to edit their profile, they might be using the wrong profile detail and not able to change their profile					
	Search Car	User unable to search car by keyword or by price range	If user is unable to search car by keyword or by price range then the user can't find the car of their desired requirements		Security	User can access all the content even they don't have the authorization	If user has access to forbidden features without authorization they may delete all the information or using the data to abuse something illegal	
				Maintainability	Fixing small bugs and maintaining the website to work	Website will be better as the time goes		

7. Risk Based Testing Strategies

How Risk Evaluation is conducted.

In general, to carry out an evaluation, it's miles vital to pick out risks. everyday working conditions, as well as maintenance, shutdowns, power outages, and emergencies, are affected. This consists of identifying risks, determining who can be harmed and how, assessing risks and determining control measures, reporting your findings, and identifying risks. The assessment is reviewed.

Insert the 5x5 matrix that's used in the risk assessment

		Consequence				
		Negligible 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
Likelihood	5 Almost certain	Moderate 5	High 10	Extreme 15	Extreme 20	Extreme 25
	4 Likely	Moderate 4	High 8	High 12	Extreme 16	Extreme 20
	3 Possible	Low 3	Moderate 6	High 9	High 12	Extreme 15
	2 Unlikely	Low 2	Moderate 4	Moderate 6	High 8	High 10
	1 Rare	Low 1	Low 2	Low 3	Moderate 4	Moderate 5

7. Risk Based Testing Strategies

Risk ID	Risk	Likelihood (1-5)	Impact (1 - 5)	Type of Testing	Risk Rating	Risk Level
1	Data not getting into the database	3	4	Functional Testing	12	High
2	Empty fields are getting into the database	5	4	Functional Testing	20	Extreme
3	The name fields are taking numbers with the characters	2	3	Functional Testing	6	Moderate
4	Website navigation links not working properly instead going to the wrong pages	2	2	Functional Testing	4	Moderate
5	The button is not working when user is trying to submit	1	5	Functional Testing	5	Moderate
6	Check if the website is not working properly in the google chrome	2	4	Compatibility Testing	8	High
7	Check if the website is not working properly in safari	3	2	Compatibility Testing	6	Moderate
8	Check if the website is not working properly in the Microsoft Edge	2	1	Compatibility Testing	2	Low

9	Pages get loaded in less time or not under 5-sec pages should get a load	4	3	Performance Testing	12	High
10	Check whether the user finds it easy to run the website	2	2	Usability Testing	4	Moderate
11	Maintaining the code and adding features and updating the website is comparatively easy	3	3	Maintainability Testing	9	High
12	authentication authorization working properly or not in the website	3	2	Security Testing	6	Moderate
13	the website is able to run on different screen size and different device without compromising feature, design and function.	4	4	Portability Testing	16	Extreme

7. Risk Based Testing Strategies

Type of Testing	Main Purposes
Functionality	The purpose of the test is to ensure that the features based on project requirements are working as intended.
Performance	To ensure the performance of the webpages are consistent with the project requirement below 3 seconds.
Compatibility	The goal of it to ensure that the website works properly within multiple browsers.
Usability	The main purpose is to ensure that the website interfaces are able to be understood and can be accessed by most visitors.
Security	The main purpose of the test is to identify any potential threats from the external party that would access the website and create exploitation to the website.
Portability	The goal is to ensure that the website could be accessed using multiple different devices.
Maintainability	The main purpose is to determine how suitable the project is for maintenance in difficulty wise.

8. Security Testing

a) What is Security Testing ?

Security testing is a sort of software program testing that uncovers vulnerabilities, threats, risks in a software program software and prevents malicious assaults from intruders. The purpose of security tests is to identify all feasible loopholes and weaknesses of the software program system which might bring about a lack of statistics, sales, reputation at the palms of the personnel or outsiders of the corporation

Type of Security Testing

- Vulnerability Scanning
- Security Scanning
- Penetration testing
- Risk Assessment
- Security Auditing
- Posture Assessment
- Ethical hacking

8. Security Testing

- **Vulnerability Scanning:** this is carried out thru automatic software to experiment with a system against recognized vulnerability signatures.
- **Security Scanning:** It involves identifying network and machine weaknesses, and later offers solutions for decreasing these risks. This scanning can be done for both manual and automated scanning.
- **Penetration testing:** This form of testing simulates an attack from a malicious hacker. This trying out includes the evaluation of a selected gadget to test for capacity vulnerabilities to an outside hacking try.
- **Risk assessment:** This testing involves analysis of security risks observed inside the company. Risks are categorized as Low, Medium, and excessive. This checking out recommends controls and measures to reduce the risk.
- **Security Auditing:** This is an inner inspection of packages and operating systems for safety flaws. An audit also can be executed via line-by-line inspection of code
- **Ethical hacking:** It's hacking a company software program system. In contrast to malicious hackers, who thieve for their own gains, the cause is to expose safety flaws inside the device.
- **Posture assessment:** This combines security scanning, moral Hacking, and risk assessments to reveal a usual safety posture of a business enterprise.

8. Security Testing

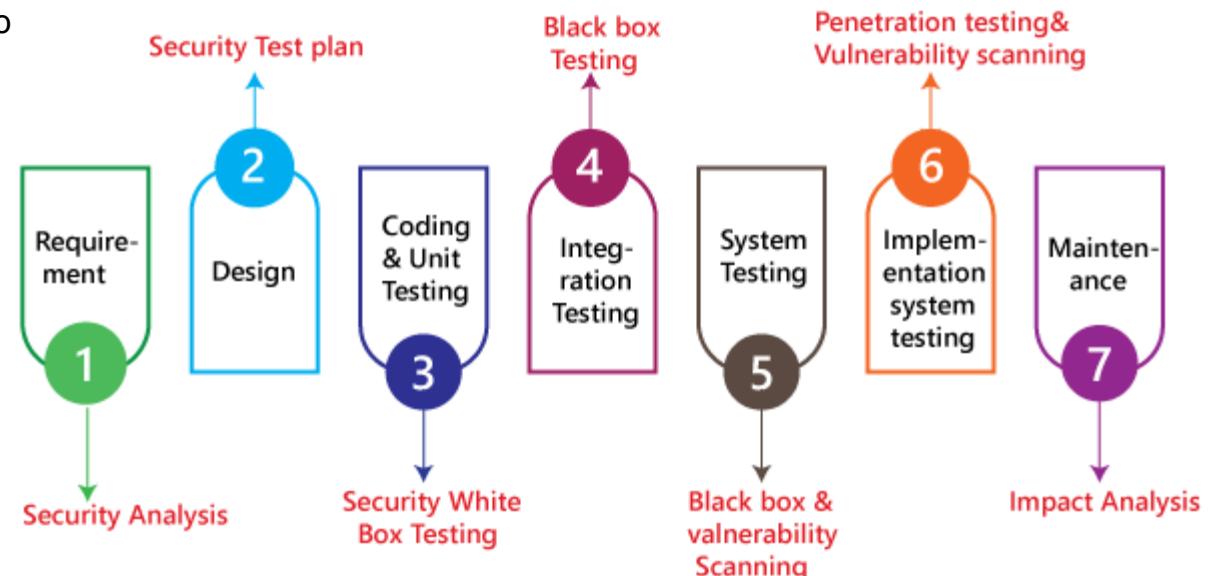
Among test strategies, how to carry out security testing.

The ABC cars project's security testing method,

- The security checking out technique for the car Portal project is completed via Spring Boot security.
- In Most of the testing strategies, vulnerability evaluation is used within the Safety testing procedure.
- The password supplied for the duration of registration and get entry to the ABC car Project has to be stored in an encrypted shape.
- Invalid users ought to no longer be allowed to get entry to the application or system.
- For the software, cookies and session time should be checked.
- The browser's returned button has to not work on financial websites.
- other pages cannot be accessed without a login.
- Everybody concerned must set expectations and only display applicable Pages to users and administrators.
- Provides material for project managers and program managers to
- Develop and put into effect their own plans.

Test phases in security testing.

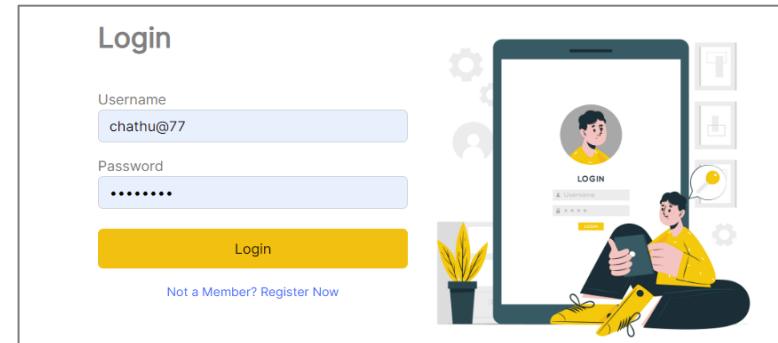
Security testing is carried out after the software implementation phase or after deployment. Also, if its miles are postponed, the value will increase. Consequently, security testing is involved in the early stages of the SDLC life cycle. SDLC levels are numerous safety system stages. That is necessities, design, coding and unit testing, integration testing, system testing, implementation, and support



8. Security Testing

Test Scenario	Authentication.
TS015	
Test Cases	Check login in ABC CARS PTE LTD Portal
TC001	Check login with correct login information.
TC002	Check login with wrong login information.

Evidence: Fig: TS015 – TC001



Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS015	TC001	Medium	ABC Cars Portal website has been completed and uploaded on the server	After entering the correct password and username user will redirect to a User profile page	As expected,	Pass
Test Step & Test data		In Login Page, input test data <ul style="list-style-type: none"> Username- chathu@77 Password: 12345678 Click Login button				
Evidence		Fig: TS015 – TC001				

8. Security Testing

Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass / Fail
TS015	TC002	Medium	ABC Cars Portal website has been completed and uploaded on the server	After entering the wrong password user can see the error message to enter the correct password or username.	As expected,	Pass

Test Step & Test data

In Login Page, input test data

- Username- chathu@77
- Password: 1234 (correct password = 12345678)

3. Click Login button

Evidence

Fig: TS015 – TC002

Login

Username
chathu@77

Password
.....

Login

Not a Member? Register Now

Login

Invalid username or password

Username
chathu@77

Password
.....

Login

Not a Member? Register Now

9. Test plans and Test cases

Test plan : A Test Plan is a concept and deliverable that

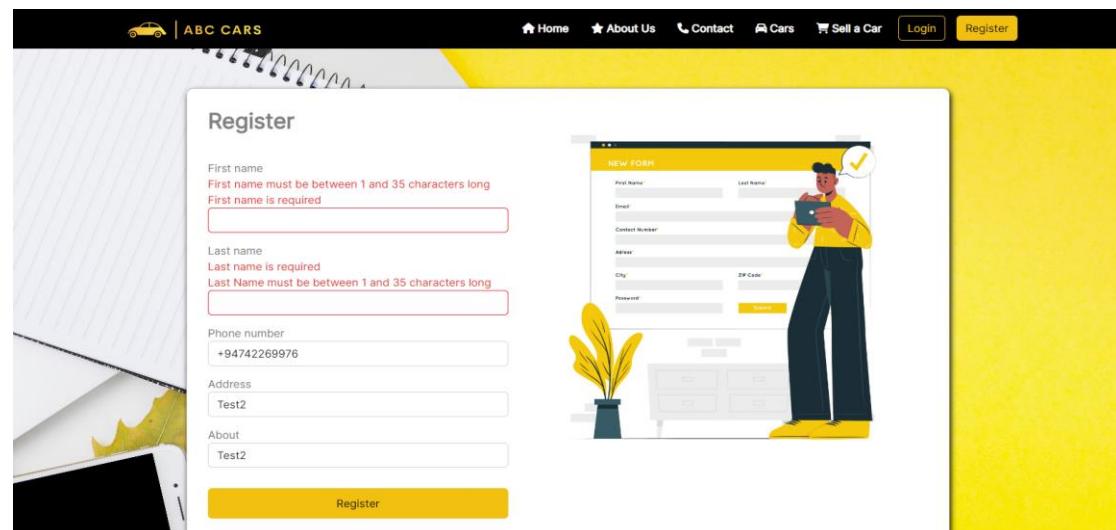
Test case : The test case is a sequence of steps that help us perform a certain test in the project.

Functional Testing – UAT testing

Test Scenario	Registration
TS001	
Test Cases	Registration in ABC Cars Sales Portal Website
TC001	Validating data that is input into registration form
TC002	After user submitting correct data it should load a thank you page

Tet Scenario ID	Test Case ID	Test Priority	Pre-conditions	Expected Result	Actual Result	Final Result
TS001	TC001	High	ABC Cars Sale Portal Website hosted on server	All field is needed except "about" subject if the user input clean statistics It ought to throw an error	As expected	Pass
Test Data		<p>Firstname = " "</p> <p>Lastname = " "</p> <p>Phone number = +94742269976</p> <p>Address = Test2</p> <p>About = Test2</p>				
Evidence		Fig: TS001 – TC001				

Evidence: Fig: TS001 – TC001



9. Test plans and Test cases

Unit Testing

Test Scenario	To ensure registration
TS00	
Test Cases	Unit Testing
UT001	Ensure that registration working correctly

Test Case ID	Test Case	Preconditions	Test Step	Test Data	Expected Results	Actual Results	Pass / Fail
TS005	UT001	The user should have the URL of the website and open the homepage of the <u>abccars</u> .	<ul style="list-style-type: none">❖ Type URL❖ Click "Sign up" on the website home page linked to the Landing page❖ Enter all the fields.❖ Click submit.	Username= chathu@77 Password = 12345678 Firstname = Chathushi Lastname = Jayarathna Phone number = +94742269976 Address = "Chathu" St. Clairs Road, Kandy About = A confident and outgoing sales professional amassing over 6 years' experience in the automotive industry with a strong track record of meeting and exceeding sales targets	The entered data should be added to the database and the thank you page should appear to the user after a successful registration	As expected,	Pass

9. Test plans and Test cases

Performance Testing

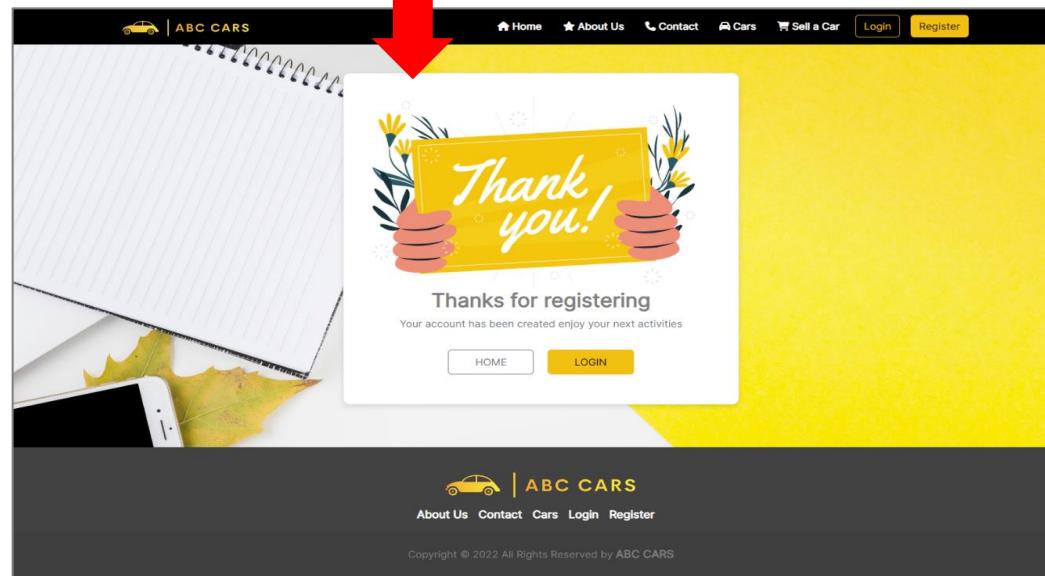
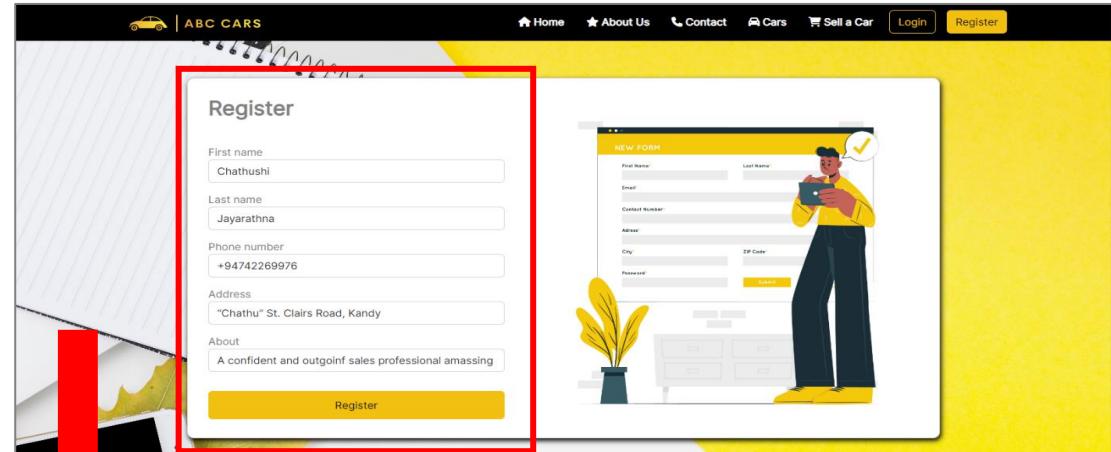
Test Scenario		Ensure that the user or admin can access the home page at the required time.				
TS006						
Test Cases		Performance Testing				
TC001		Test cases Loading Time/ speed checking out				

Test Scenario ID	Test Case ID	Test Priority	Pre-conditions	Expected Result	Actual Result	Final Result
TS006	TC001	Internet access required	Admin/User successful registration	After users/admins registered, the thank you page will be displayed. They can be returned by clicking the home button when needed	As expected	Pass

Test Data	Register
	<ul style="list-style-type: none"> Username= chathu@77 Password = 12345678 Firstname = Chathushi Lastname = Jayarathna Phone number = +94742269976 Address = "Chathu" St. Clairs Road, Kandy About = Hi
	Click Register button
	It will appear registration thank u page
	Click "home" button to return home page

Evidence	Fig: TS006 – TC001 (1) Fig: TS006– TC001 (2) Fig: Ts006 – TC001 (3)

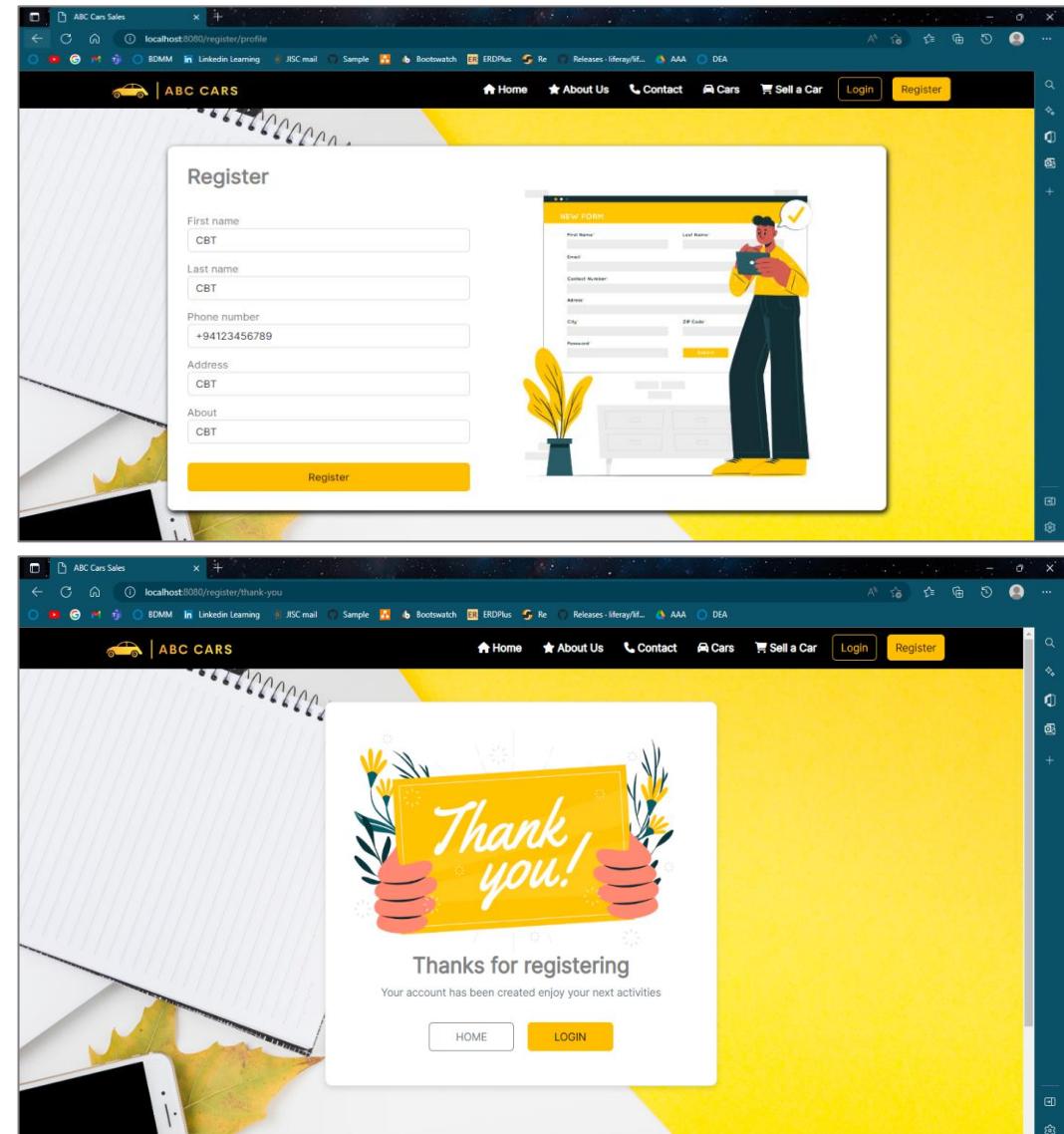
Evidence: Fig: TS001 – TC001 (1)



9. Test plans and Test cases

Compatibility Testing

Sce nario ID	Test Case ID	Test Case	Precondi tions	Test Step	Test Data	Expected Results	Actual Results	Pass / Fail
CBT S001	CBT02	Check that registration page is working correctly on Mozilla Firefox.	ABC Cars Portal website has completed and uploaded on server	Go to MS Edge type localhost:8080	In Registration Page, input test data Username= cbt@11 Password = cbt@11 Firstname = CBT Lastname = CBT Phone number = +94123456789 Address = CBT About = CBT Click Register button	1. Loaded the Thank you correctly.	As expected	Pass



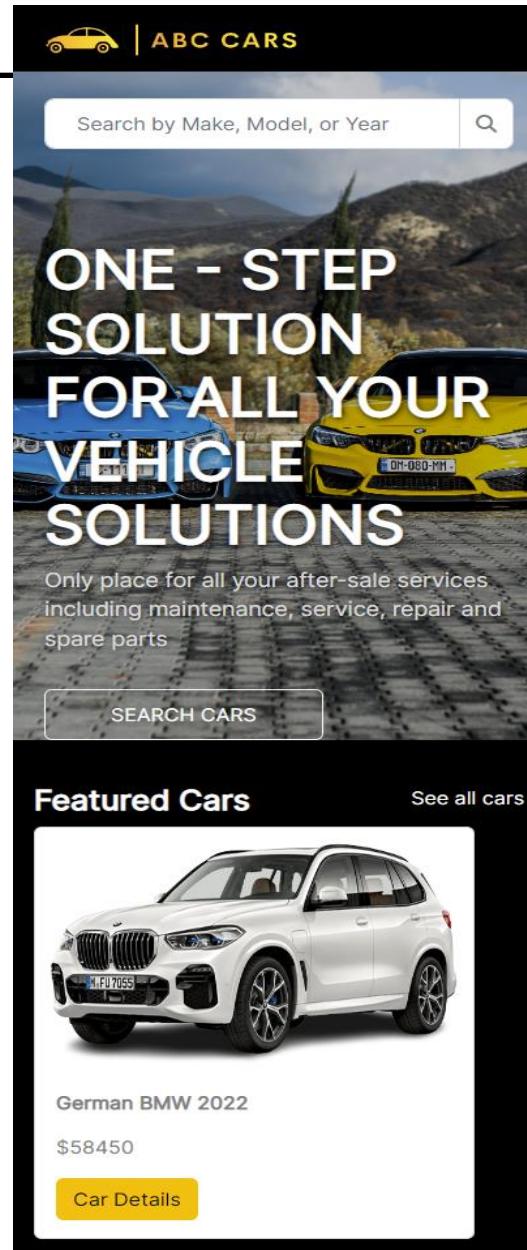
9. Test plans and Test cases

Portability Testing

✓ Home Page – Phone Mode

Test Scenario	Home Page.
TS012	
Test Cases	Post Car Page in ABC CARS PTE LTD Portal
TC001	Check ABC Car portal is working on Phone

Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS012	TC001	Low	ABC Cars Portal website has completed and uploaded on server	The ABC Car portal is working on phone correctly.	Result is come out as expected,	Pass
Test Step & Test data	Load ABC Car Portal on browser and go to inspect option and change the device into phone mode.					
Evidence	Fig:TS012 – TC001					

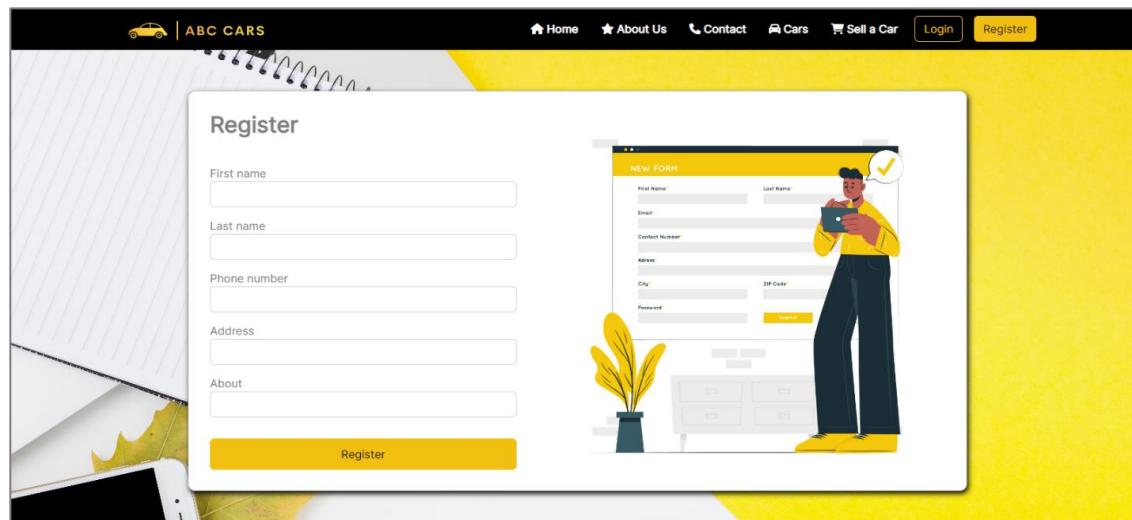
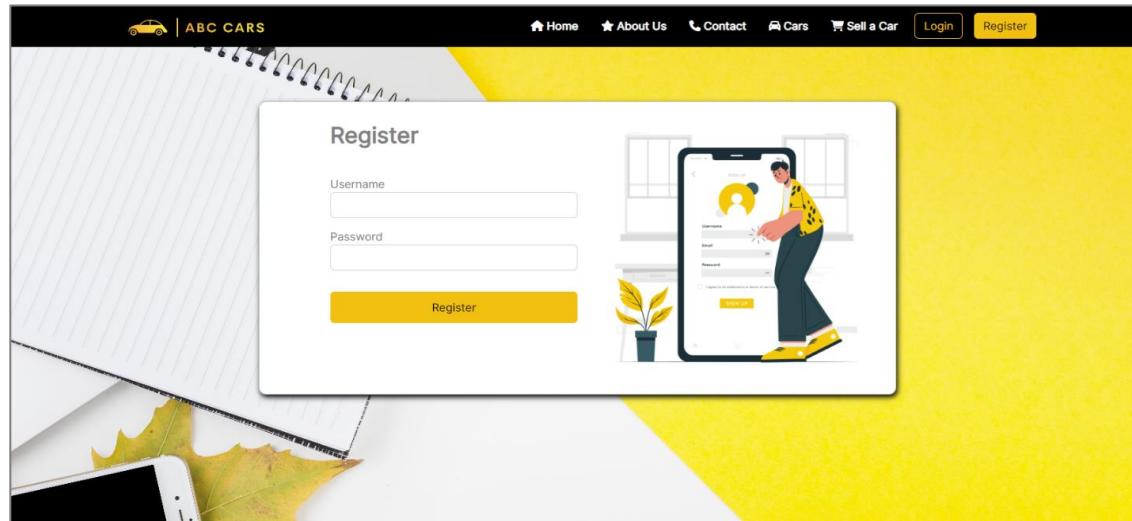


9. Test plans and Test cases

Usability Testing

✓ Registration Page

Test Scenario	Registration Page.					
Test ID	Case ID	Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS007	TC001	Low	ABC Cars Portal website has been completed and uploaded on the server	The ABC Car portal meet with GUI and User-friendly interface design.	as expected,	Pass
Test Step & Test data	Navigation – Logo, Navigation, Register button, Login Button Body – Register Form, Register Background, Register Form Image					
Evidence	Fig: TS007 – TC001					



10. Logs of Test Results

Reported By:	Chathushi Jayarathna
Report Date:	19/01/2023
Tested By:	Chathushi Jayarathna
Tested Date:	12/01/2023
Testing Name/ Test Scenario ID	Functional testing: UAT Testing (TS001 / TS002 / TS003 / TS004)
Total Number of Test Cases	11
No. of Pass:	10
No. of Failures:	1
Elapsed Time:	1 Hour 30min
Tested By:	Chathushi Jayarathna
Tested Date:	12/01/2023
Testing Name/ Test Scenario ID	Functional testing: Unit Testing (TS006.)
Total Number of Test Cases	5
No. of Pass:	5
No. of Failures:	0
Elapsed Time:	2 hours 45 min

Tested By:	Chathushi Jayarathna
Tested Date:	12/01/2023
Testing Name/ Test Scenario ID	Performance Testing (TS006)
Total Number of Test Cases	3
No. of Pass:	3
No. of Failures:	0
Elapsed Time:	30 min
Tested By:	Chathushi Jayarathna
Tested Date:	12/01/2022
Testing Name/ Test Scenario ID	Compatibility Testing (CBTS001, CBTS002, CBTS003, CBTS004)
Total Number of Test Cases	8
No. of Pass:	8
No. of Failures:	0
Elapsed Time:	1 hours 30min
Tested By:	Chathushi Jayarathna
Tested Date:	12/01/2023
Testing Name/ Test Scenario ID	Usability Testing (TS009, TS010, TS011, TS012)

Total Number of Test Cases	4
No. of Pass:	4
No. of Failures:	0
Elapsed Time:	45min
Tested By:	Chathushi Jayarathna
Tested Date:	13/01/2023
Testing Name/ Test Scenario ID	Security Testing/ TS012
Total Number of Test Cases	2
No. of Pass:	2
No. of Failures:	0
Elapsed Time:	1 hour
Tested By:	Chathushi Jayarathna
Tested Date:	28/7/2022
Testing Name/ Test Scenario ID	Portability Testing (TS013, TS014, TS015)
Total Number of Test Cases	3
No. of Pass:	3
No. of Failures:	0
Elapsed Time:	30 Min
SUMMARY LOG STATUS	
Total Number of Test Cases	36
Total Number of Pass	35
Total Number of Failures	1
Pass %	97.2%
Total Elapsed Time	7 hours 10min

11. Modifications of fail Test Cases

Test result after modification

Project ID/ Project Name:	Used Car Sale Portal Project
Reported By:	Chathushi Jayarathna
Report Date:	19/01/2023
Tested By:	Chathushi Jayarathna
Tested Date:	19/01/2023
Testing Name/ Test Scenario ID	UAT Testing
Total Number of Test Cases	1
No. of Pass:	1
No. of Failures:	0
Elapsed Time:	10min

12. Project Results

Home Page

The screenshot shows the homepage of the ABC CARS website. At the top, there is a navigation bar with links for Home, About Us, Contact, Cars, Sell a Car, Login, and Register. Below the navigation bar is a search bar with the placeholder "Search by Make, Model, or Year". The main banner features four cars (a dark blue sedan, a light blue hatchback, a yellow hatchback, and a dark blue SUV) parked on a cobblestone road with a scenic background. The text "ONE - STEP SOLUTION FOR ALL YOUR VEHICLE SOLUTIONS" is prominently displayed over the banner. Below the banner, there is a section titled "Featured Cars" with three cards. Each card displays a car image, its make and year, price, and a "Car Details" button. The first card is for a Peugeot (France) 5008 2022 at \$630000. The second card is for a Suzuki (Japan) WagonR 2020 at \$25000. The third card is for a Toyota (Japan) Prius 2021 at \$840000. At the bottom of the page is a footer with the ABC CARS logo and links for About Us, Contact, Cars, Login, and Register, along with a copyright notice: "Copyright © 2022 All Rights Reserved by ABC CARS".

Contact us

The screenshot shows the "Contact us" page of the ABC CARS website. The page has a yellow and black color scheme. At the top, there is a navigation bar with links for Home, About Us, Contact, Cars, Sell a Car, Login, and Register. The main content area is titled "Contact Us" and includes a message: "Check out our FAQs and Stay Safe actions to see if your question has already been answered. If not, please get in touch with us and we will get back to you as soon as possible." It lists contact information: phone number +9471098765432, email abcars@email.com, and address 07/C Mount Lv. Road, Colombo 7. Below this is a "MESSAGE US" section with input fields for "Your name", "Email", and "Message", followed by a "SEND" button. At the bottom of the page is a map showing the location of the company's office in Colombo, Sri Lanka, with various landmarks labeled. The footer is identical to the home page, featuring the ABC CARS logo and links for About Us, Contact, Cars, Login, and Register, along with a copyright notice: "Copyright © 2022 All Rights Reserved by ABC CARS".

12. Project Results

About Us Page

ABC CARS

Home About Us Contact Cars Sell a Car Login Register

ABOUT US

ABC is the first automobile e-magazine in Sri Lanka which focused towards Sri Lanka motoring market place. It provides state of the Art services to thousands of clients accessing the site every day. By now, it has become so popular that the name "ABC CARS" has become a household name among motor enthusiasts and car buyers/sellers in Sri Lanka.

Who we are

With over 20 years of experience, ABC is the trusted guide in car shopping. Our website has in-depth reviews, new and used listings, free appraisals, and calculators that verify a good price. Shoppers count on us at every step of their journey.

We're the car experts

We literally get in the driver's seat to show shoppers how each car performs on the road. Read more about our annual Top Rated Awards and how our editors test cars.

Why use ABC CARS to buy and sell your vehicles?

- We are the pioneers - ABC is the first automobile e-magazine in Sri Lanka and we have been serving our customers for nearly 2 decades. People have trust in ABC and it's the best market place to showcase your vehicle to thousands of prospective car buyers logging in to the website everyday.
- Wide range to choose from - ABC is the best place to browse for your next vehicle.Whatever you look for any cars, we offer over 10,00 new, used and reconditioned vehicles for you in our website. We have an average of 30-40 vehicles adding to our list every day
- Quality Checks - To ensure high quality service and a smooth online trading experience, all advertisements under ABC classifieds are closely monitored by our sales team before publishing online.
- Quality Checks - To ensure high quality service and a smooth online trading experience, all advertisements under ABC classifieds are closely monitored by our sales team before publishing online.

ABC CARS

About Us Contact Cars Login Register

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Login

ABC CARS

Home About Us Contact Cars Sell a Car Login Register

Login

Username: admin123

Password:
Login

Not a Member? Register Now

ABC CARS

About Us Contact Cars Login Register

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12. Project Results

Register Account

The registration page features a yellow header bar with the ABC CARS logo and navigation links: Home, About Us, Contact, Cars, Sell a Car, Login, and Register. The main content area has a white background with a yellow border. It contains a "Register" form with fields for Username and Password, and a "Register" button. To the right of the form is a small illustration of a person interacting with a smartphone displaying the registration interface. The background of the page includes a yellow leaf graphic and a white notepad.

This registration page has a similar layout to the first one. It features a yellow header bar with the ABC CARS logo and navigation links. The main content area contains a "Register" form with fields for First name, Last name, Phone number, Address, and About, each with a corresponding input field. A "Register" button is at the bottom. To the right of the form is a larger illustration of a person holding a tablet with a checkmark, standing next to a filing cabinet. The background includes a yellow leaf graphic and a white notepad.

Car List View Page

The car list view page has a black header bar with the ABC CARS logo and navigation links. The main content area has a black background with a white sidebar on the left containing a "Car List" section with a "Post a car" button, a "Price Range" section with "Minimum price" and "Maximum price" fields, and a "Search" button. To the right of the sidebar is a search bar with a magnifying glass icon. Below the sidebar are four car cards, each with a thumbnail, the car's name, year, price, and a "See More" button. The cars shown are a red Suzuki WagonR, a blue Renault Kwid, a yellow Peugeot 5008, and a white German BMW. The footer contains the ABC CARS logo and links to About Us, Contact, Cars, Login, and Register, along with a copyright notice: "Copyright © 2022 All Rights Reserved by ABC CARS".

12. Project Results

Car Details View Page

The screenshot shows a car listing for a Suzuki (Japan) WagonR 2020. The car is a small red hatchback. On the left, there's a sidebar with buttons for 'Car List', 'Post a car', '\$ Price Range', 'Minimum price', 'Maximum price', and a 'Search' button. The main area has a search bar, the car's name and year, starting price (\$25000), highest bid (\$0), and buttons for 'Place Bid' and 'Schedule a Test Drive'. The footer includes the ABC CARS logo and links for About Us, Contact, Cars, Login, and Register.

User Profile

The screenshot shows a user profile for Chathushi Jayarathna. It features a large yellow smiley face icon. The profile information includes the name Chathushi Jayarathna, phone number +94742269976, and address "Chathu" St. Clairs Road, Kandy. There are buttons for 'Edit Profile' and 'Appointment'. A sidebar on the left has a 'Profile' button and links for 'My Posted Car' and 'Appointment'. The footer includes the ABC CARS logo and links for About Us, Contact, Cars, Login, and Register.

12. Project Results

User Edit Profile

Edit Profile

First name
Chathushi

Last name
Jayarathna

Phone number
+94742269976

Address
"Chathu" St. Clairs Road, Kandy

About
A confident and outgoing sales professional amassing t...

Save Edit

User Post Car Page

Post Car

Make

Model

Year

Price
0

Car Picture
Choose File No file chosen

Post Car

12. Project Results

User Posted Car List

The screenshot shows a user profile interface for 'ABC CARS'. The top navigation bar includes links for Home, About Us, Contact, Cars, Sell a Car, and a user account. The main content area is titled 'My Posted Cars' and displays a table of five cars with columns for Id, Car, Make, Model, Year, Price, and Status. The status column uses color-coded labels: ACTIVE (yellow), SOLD (green), and DEACTIVE (red). Each row has a yellow edit icon at the end.

ID	Car	Make	Model	Year	Price	Status
1	Suzuki (Japan)		WagonR	2020	\$25000	ACTIVE
2	Renault (India)		Kiwd	2017	\$18000	ACTIVE
3	Mini (Netherlands)		Countryman	2016	\$55000	SOLD
4	Peugeot (France)		5008	2022	\$630000	ACTIVE
5	Toyota (Japan)		Prius	2021	\$840000	DEACTIVE

User List Test Drive Car

The screenshot shows a user profile interface for 'ABC CARS'. The top navigation bar includes links for Home, About Us, Contact, Cars, Sell a Car, and a user account. The main content area is titled 'List Test Drive' and displays a table of one test drive appointment with columns for Id, Car, Make, Model, Year, Client, and Date. The appointment is for a Peugeot 5008 from Chathushi on January 16, 2023.

ID	Car	Make	Model	Year	Client	Date
4	Peugeot (France)		5008	2022	Chathushi	2023-01-16

12. Project Results

Car Bidding

The screenshot shows the ABC CARS website. At the top, there is a navigation bar with links for Home, About Us, Contact, Cars, Sell a Car, and a user icon labeled Chathushi. Below the navigation bar, there is a yellow header section featuring a 'Place Bid' dialog box. The dialog box contains the text 'STARTING PRICE: \$25000' and a form field labeled 'Bid Price' with the value '0'. A yellow 'Place Bid' button is at the bottom of the dialog. The main content area below the header has a dark grey background with the ABC CARS logo and a navigation menu with links for About Us, Contact, Cars, Login, and Register. At the bottom, there is a copyright notice: 'Copyright © 2022 All Rights Reserved by ABC CARS'.

Edit Posted Car Details

The screenshot shows the ABC CARS website. At the top, there is a navigation bar with links for Home, About Us, Contact, Cars, Sell a Car, and a user icon labeled Chathushi. Below the navigation bar, there is a yellow header section featuring an 'Edit Posted Car' dialog box. The dialog box contains fields for Make ('Suzuki (Japan)'), Model ('WagonR'), Year ('2020'), and Price ('25000'). A yellow 'Save Edit' button is at the bottom of the dialog. The main content area below the header has a dark grey background with the ABC CARS logo and a navigation menu with links for About Us, Contact, Cars, Login, and Register. At the bottom, there is a copyright notice: 'Copyright © 2022 All Rights Reserved by ABC CARS'.

12. Project Results

Admin Dashboard

The screenshot shows the Admin Dashboard interface. At the top, there's a navigation bar with links for Home, About Us, Contact, Cars, Sell a Car, and Admin. Below the navigation is a sidebar with a yellow header labeled "Dashboard" and a "Car Management" button. The main content area has two tables: "All Users" and "All Admins".
All Users:

ID	First name	Last name	Phone number	Address	Action
1	Chathushi	Jayaratna	+94742269976	"Chathu" St. Clairs Road, Kandy	
6	User	1234	+9478564563	09/10, Nitta Road, Riyad	
7	Test2	Test2	+94742269976	Test2	
8	Per	Test	+94123456789	ptest	

All Admins:

ID	First name	Last name	Phone number	Address	Action
5	Admin	123	+94712345678	08/B, Universe Road, Malabe	

Admin Car Management

The screenshot shows the Admin Car Management interface. At the top, there's a navigation bar with links for Home, About Us, Contact, Cars, Sell a Car, and Admin. Below the navigation is a sidebar with a yellow header labeled "Dashboard" and a "Car Management" button. The main content area has two tables: "Car List" and "Car Bid".
Car List:

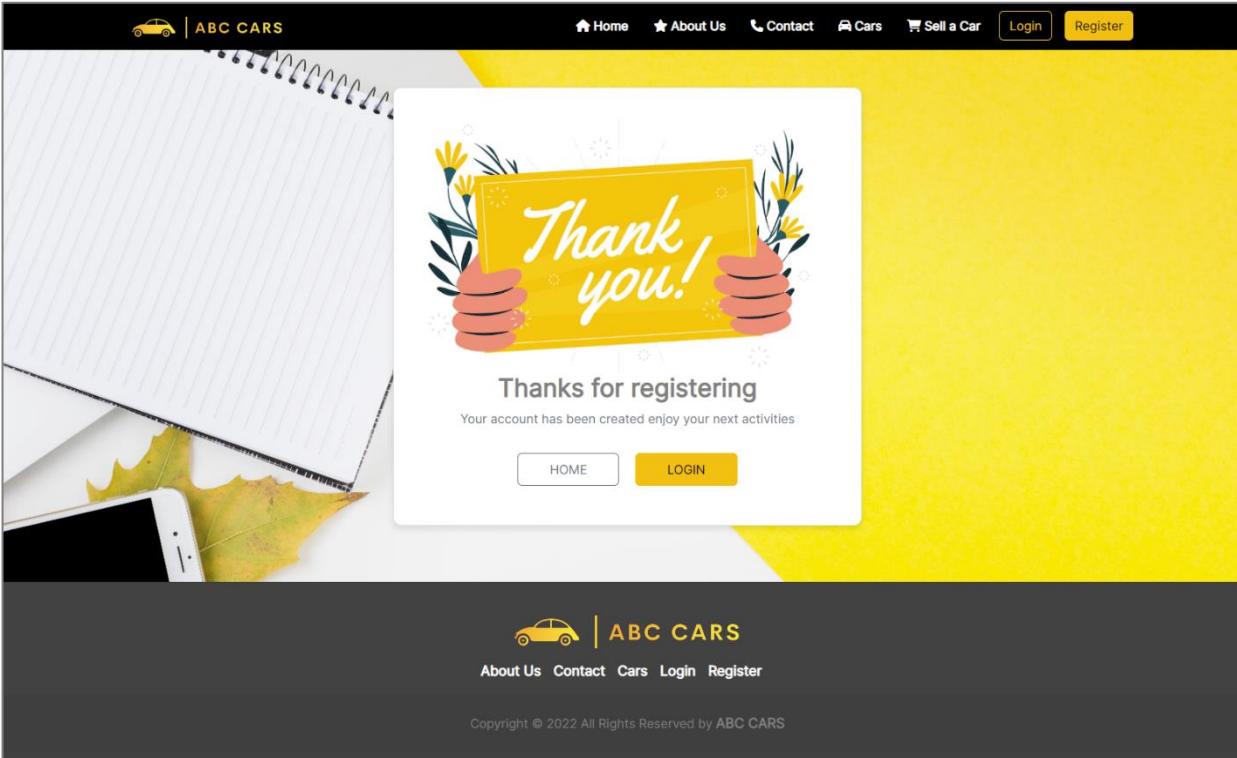
Car ID	Make	Model	Year	Price	Status	Action
1	Suzuki (Japan)	WagonR	2020	25000	ACTIVE	
2	Renault (India)	Kiwd	2017	18000	ACTIVE	
3	Mini (Netherlands)	Countryman	2016	55000	SOLD	
4	Peugeot (France)	5008	2022	630000	ACTIVE	
5	Toyota (Japan)	Prius	2021	840000	DEACTIVE	
6	German	BMW	2022	58450	ACTIVE	

Car Bid:

Car ID	Make	Model	Year	Bid Price	Status	Action
4	Peugeot (France)	5008	2022	700000	ONGOING	
3	Mini (Netherlands)	Countryman	2016	62000	APPROVED	

12. Project Results

Registration Thank You



Thank you