

CARVAN

Supervisor: *LE THANH NHAN*

Semester: *01*

Batch No: *T5.2306.E1*

Group No: *02*

Order:	Full name	Roll No.
<i>1.</i>	<i>Ta Quoc Thanh</i>	<i>Student1470287</i>
<i>2.</i>	<i>Le Vinh Chi</i>	<i>Student1477477</i>
<i>3.</i>	<i>Nguyen Hoang Anh Tu</i>	<i>Student1470285</i>

Month: 09 Year: 2023

This is to certify that.

Mr. TA QUOC THANH

Mr. LE VINH CHI

Ms. NGUYEN HOANG ANH TU

Have successfully Designed & Developed

CARVAN

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content	
Acknowledge	()
Synopsis	()
Review1	()
Review2	()
Review3	()
Testing Document	()
Final Checklist	()
Task sheet	()

Acknowledge

As we understand that the eProject is a step-by-step learning environment that closely simulates the classroom and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

- ✓ Practice step by step i.e., ladder approach.
- ✓ Build a larger more robust application.
- ✓ Usage of certain utilities in applications designed by user.
- ✓ Single program to unified code leading to a complete application.
- ✓ Learn implementation of concepts in a phased manner.
- ✓ Enhance skills and add value.
- ✓ Work on real life projects.
- ✓ Give a real-life scenario and help to create applications more complicated and useful.
- ✓ Mentoring through email support.

We would like to send a great thank to our professor and others student for the adorable supports during the time in project.

Beside several mistakes we had made in the project, we hope to have more opportunities to widen our knowledge in web developing world.

We also thank you so much for your information and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning anything as much as we can to be more successful in the future.

Your Sincerely,

Team Group 02.

Synopsis

This project involves the creation of a website using HTML5 to showcase information related to an automobile company. The website will consist of multiple pages and menus with the aim of providing information about the company, its brands, car models, car ranges, pre-owned cars, and contact details.

Project Timeline:

The project will be executed following a defined timeline with the following milestones:

1. Project Initiation: Define project objectives, scope, and requirements – W15.
2. Design and Development: Create HTML5 pages, implement menus, frames, and content – W16.
3. Testing and Debugging: Ensure the website functions correctly across various browsers – W17.
4. Final Review and Documentation: Review the website, make necessary adjustments, and create documentation – W18.

Project Deliverables:

- The final deliverables for this project will include:
- A fully functional website with an interactive user interface.
- HTML5 code for each web page.
- CSS styling to enhance the website's aesthetics.
- JavaScript functionality for menu navigation and user interactions.
- Images and graphics used throughout the website.
- Documentation detailing the project specifications, code structure, and usage instructions.

Risk assessment:

Potential risks and challenges for this project include:

- Compatibility Issues: Ensuring the website works across different browsers and devices.
- Content Creation: Gathering and creating engaging content for each page.
- Timeline Delays: Unforeseen issues that may extend the project timeline.
- Resource Availability: Availability of team members.

Conclusion:

This project aims to create an informative and visually appealing website for an automobile company. By adhering to the specified requirements and objectives, the team will deliver a functional and user-friendly website that meets the needs of the company and its customers.

Design Plan: CARVAN	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 1 of 30

Problem Definition

From 18th century, personal cars became the most important transportation to serve travel demand of human. Cars carried people go to any place that was far thousand miles from them that no horse can. The very first company with mass-production line of car to deliver around the world was Ford with limited models.

Nowadays, after many years of development, there are many vehicle brands were invented with hundreds of models to serve several needs of human such as SUV, sedan, pickup, truck...

In the past, customers went to the physical store and got advice from agents about their interested car.

But now, with strong development of internet and WWW technology, to enhance convenience for customer that they can search and understand their products. CARVAN was born purposely as a one stop market for users can looking for sell and buy new/preowned cars.

The site provides details and specifications of various models offered by the companies. It also provides pictures and images to have a better look.

‘CARVAN’ is looking to restructure the entire website to provide information and connect with prospective customers.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 2 of 30

The website is to be developed for the Windows Platform using HTML5, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

Requirement Specification:

The Web site is to be created based on the following requirements.

1) The Home Page should be created making use of Frames with a suitable logo.

2) The site should display a menu with following categories:

- About Us
- Brands
- Range of Cars
- Preowned Cars
- Contact Us

3) ‘Brands’ should contain details about various brands/companies and sub-menu with Car Models for each brand/company should be provided.

4) ‘Range of Cars’ menu option should provide details in terms of ‘Small Car’, ‘SEDAN’, ‘VAN’, ‘JEEPS’ etc.

5) ‘Preowned’ menu option should provide details about the characters in the parks and a small story should be associated to them.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 3 of 30

6) ‘About Us’ should provide details of the company and past and upcoming events.

There should be a “Contact Us” page which will have the Address of the Company which is as follows and the mail address which when clicked will invoke the local mail client from where they can send an email. Address of the Company should be displayed using GeoLocation API (e.g., GoogleMaps).

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 4 of 30

Customer Requirements Specifications

User:

input:

- Select Brand, Model show on homepage.
- Search for specific model.
- Register account.
- Evaluate seller.
- Add product to cart.
- Post car advertisement.

Process:

- Search key value, sorting data.
- Get user profile data and store in database.
- Get evaluate data.
- Collect username, phone number.

Output:

- Show product information.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 5 of 30

- Show search list.
- Send alert/ confirmation after validation.
- Show seller history & ranking.
- Send confirmation of successful order.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 6 of 30

Webmaster:

Input:

- Modify/edit data from data base.
- Manage user profile.
- Manage validity of posted cars.
- Post Automotive news.

Process:

- Create/Delete/Edit data in database.
- Send notification to seller/buyer.
- Render new post.

Output:

- Show all information.
- Show user list and data.
- Show news and car review information.
- Show company address using GeoLocation API.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 7 of 30

Hardware / software requirement:

Software:

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better.
- 64 Megabytes of RAM or better

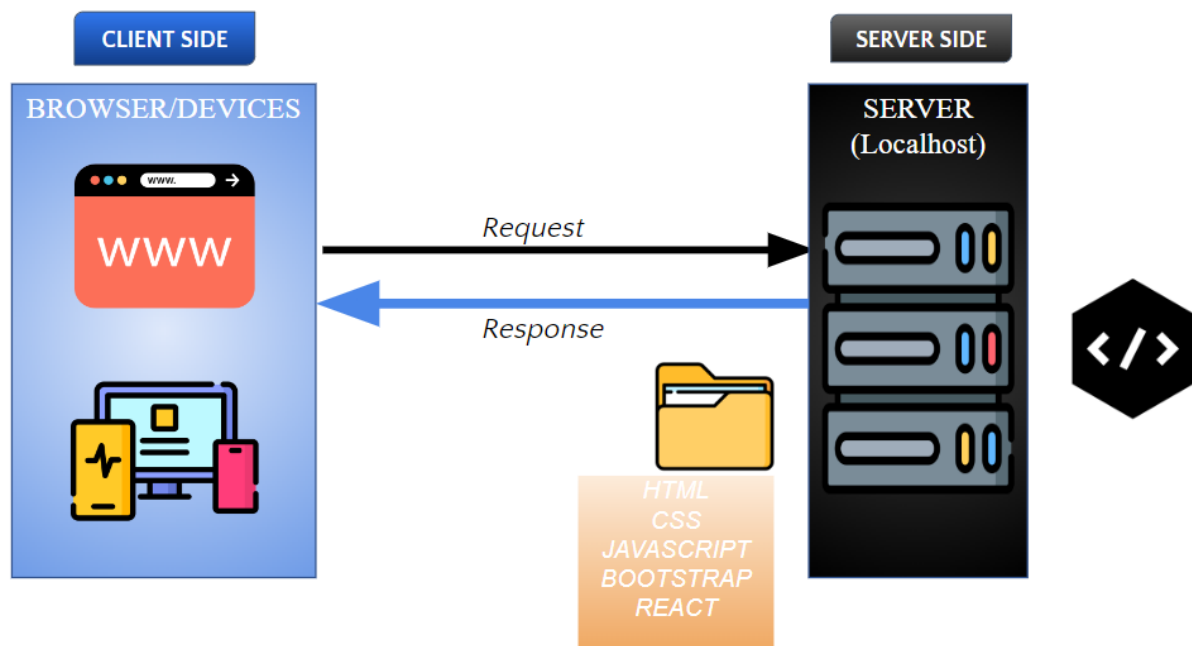
Hardware:

- Notepad/HTML editor/CoffeeCup
- Angular / Angular JS / React / Bootstrap
- Dreamweaver / Figma
- MS IE / Chrome / Firefox / Netscape /MS Edge

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Architecture and design of the project	SWD/Form No.03/ARD/Ver1.0
Effective Date: 09-09-2002	Version 1.0	Page No: 8 of 30

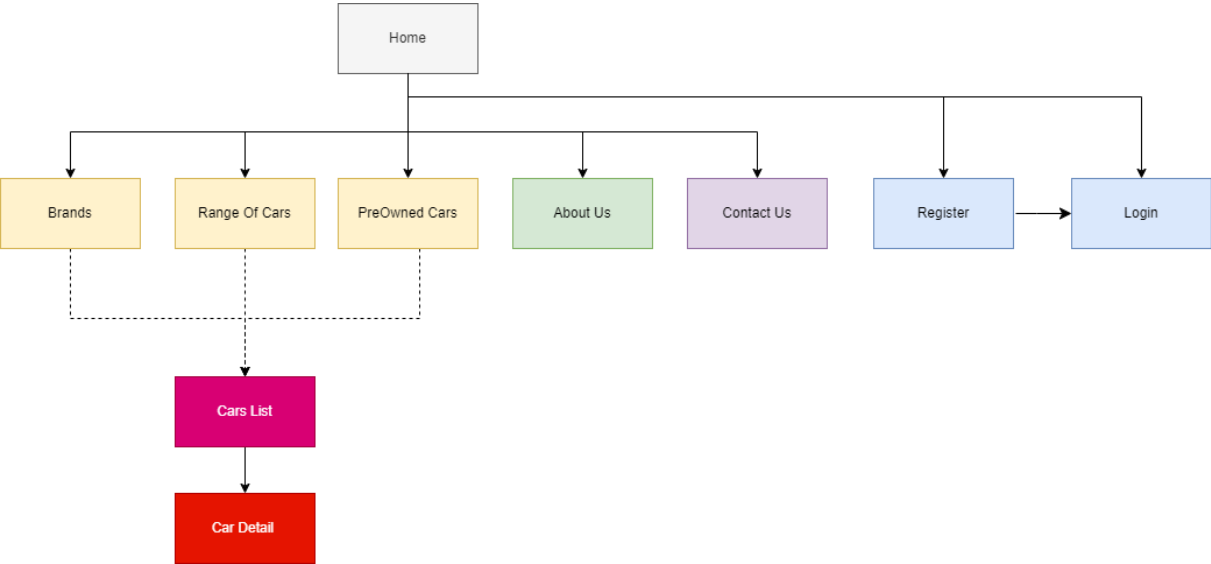
Architecture and design of the project



	Prepared by (Student) Project Group No: 02	Approved by (Faculty) Le Thanh Nhan
Signature		
Date		

Design Plan: CANVAN	Document Name: SiteMap	SWD/Form No.04/SM/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 9 of 30

SiteMap

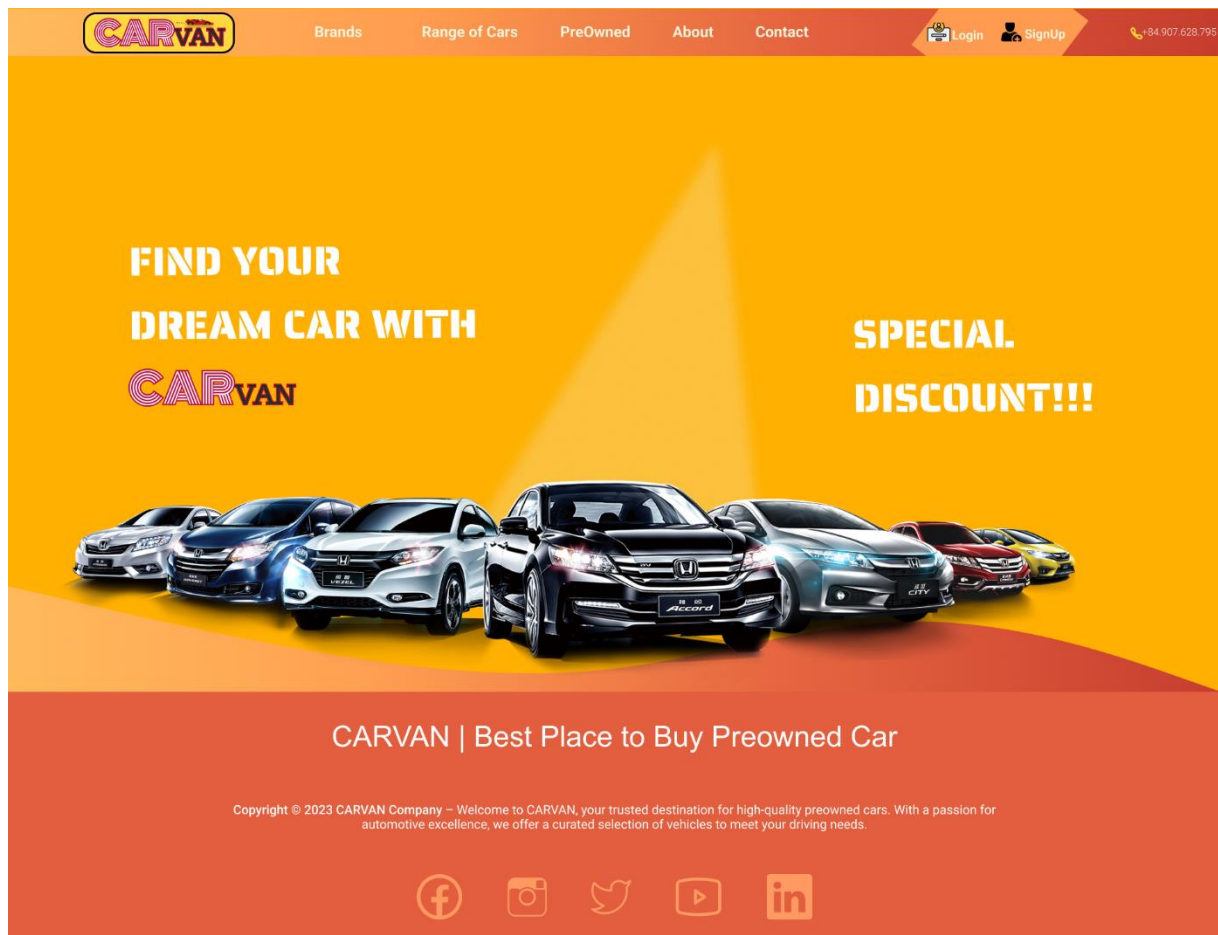


	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 10 of 30

Screen shots

I. Homepage



Description: Home page of CARVAN with Welcome and Advertisement message and Nav Bar to go to other pages.

From: Home.

To: Go to pages:

	Prepared by (Student) Project Group No: 02	Approved by (Faculty) Le Thanh Nhan
Signature		
Date		

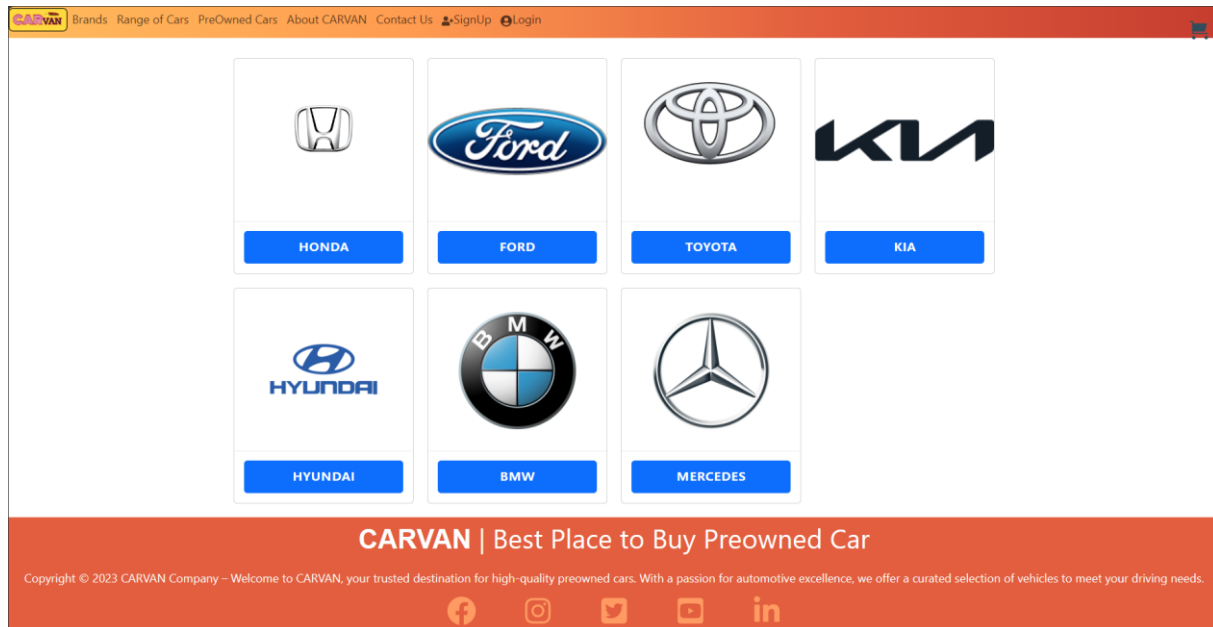
Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 11 of 30

1. Brands
2. Range of Cars
3. PreOwned
4. About CARVAN
5. Contact Us
6. Sign Up
7. Log In

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 12 of 30

II. Brands



Description: Brands Page allows user to filter brands of Car they want to review.

From: Home Page – Nav bar.

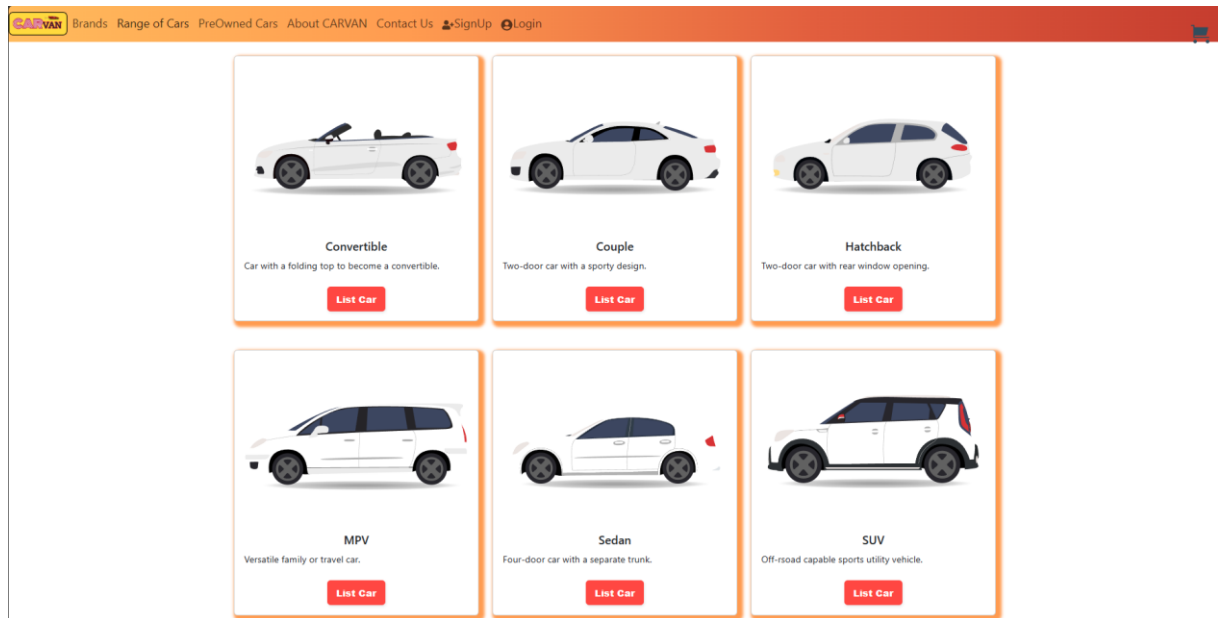
To: Go to pages:

1. List of Cars
2. Other pages on Nav Bar.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 13 of 30

III. Range Of Cars:



Description: Similar with Brands Page, the Range of Cars page allows user to filter brands of Car they want to review.

From: Home Page – Nav bar.

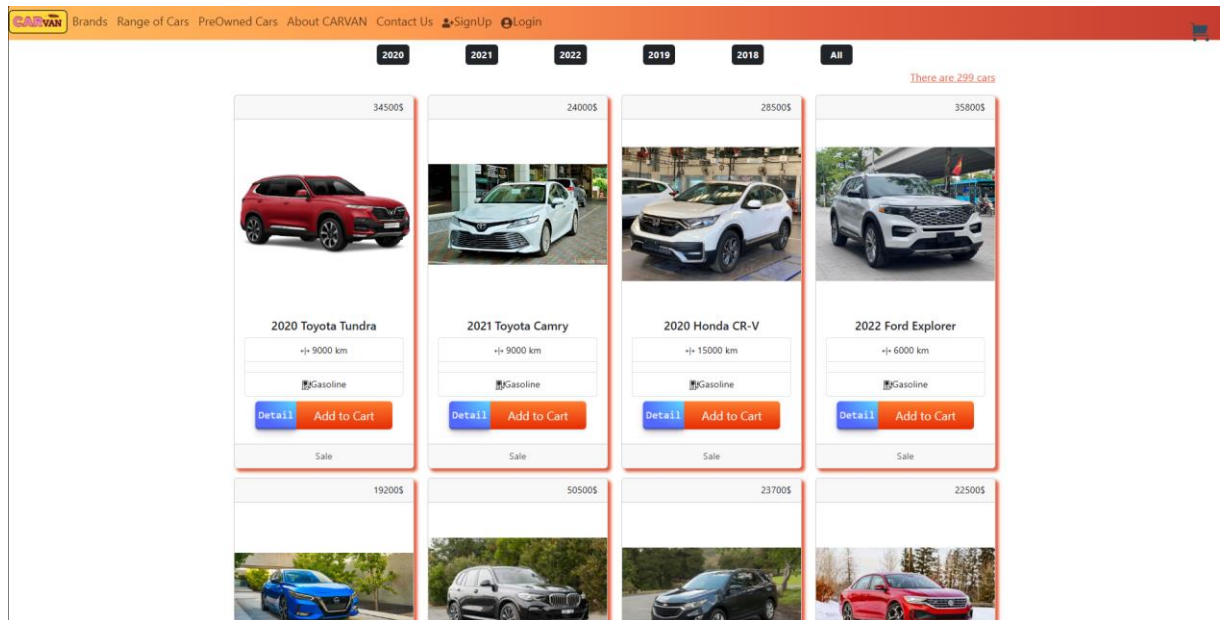
To: Go to pages:

1. List of Cars (Filtered by Class/ Range)
2. Other pages on Nav Bar.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 14 of 30

IV. PreOwned



Description: Show all list of cars that are on sale by list card. User can get brief information each product such as model, price, ODO, location of product.

From: Home Page – Nav bar.

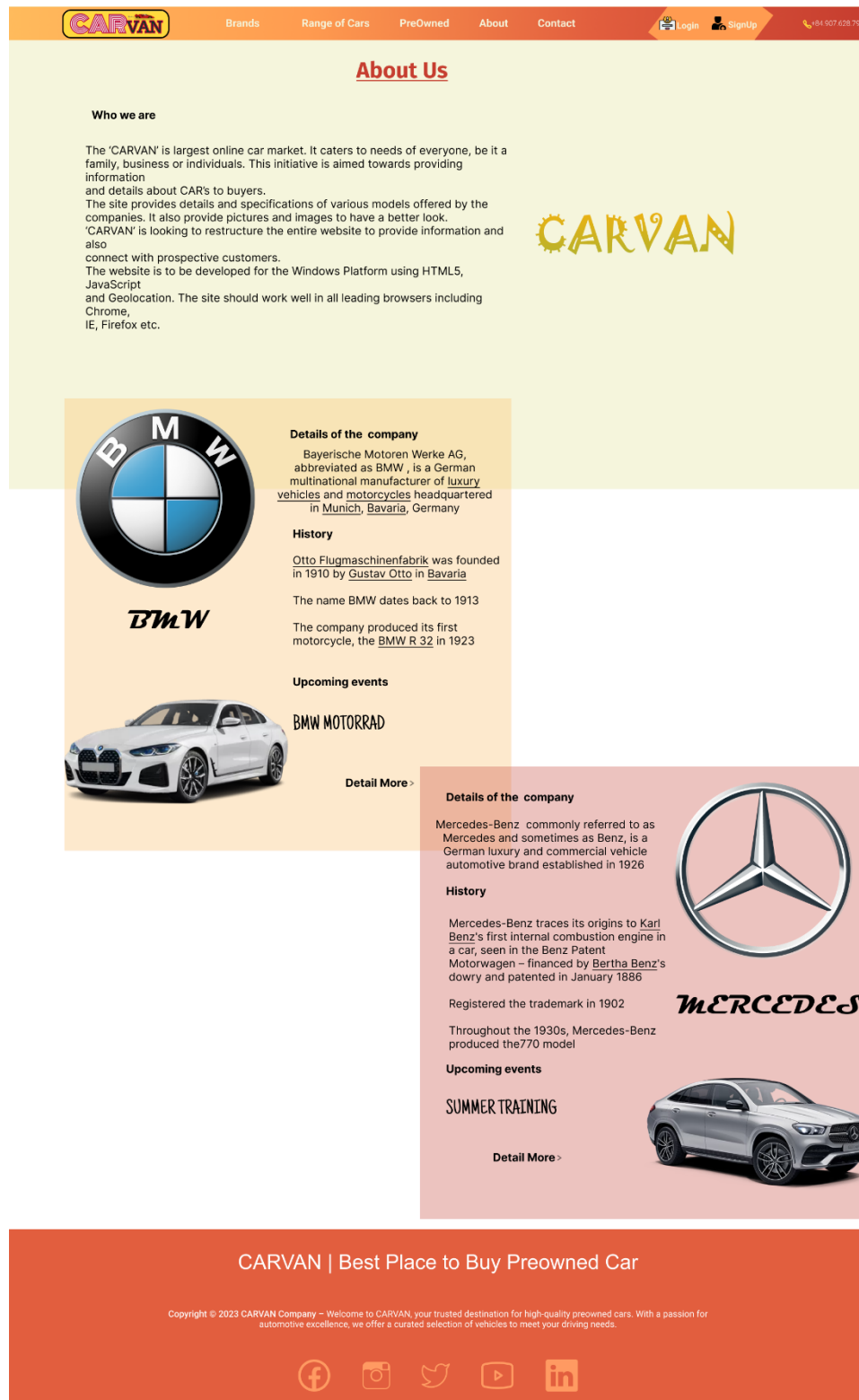
To: Go to pages:

1. Detail of chosen product (selected car).
2. Other pages on Nav Bar.
3. Next page.

V. About CARVAN

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 15 of 30



	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 16 of 30

Description: Present history strategy, objective, past and upcoming event of CARVAN company.

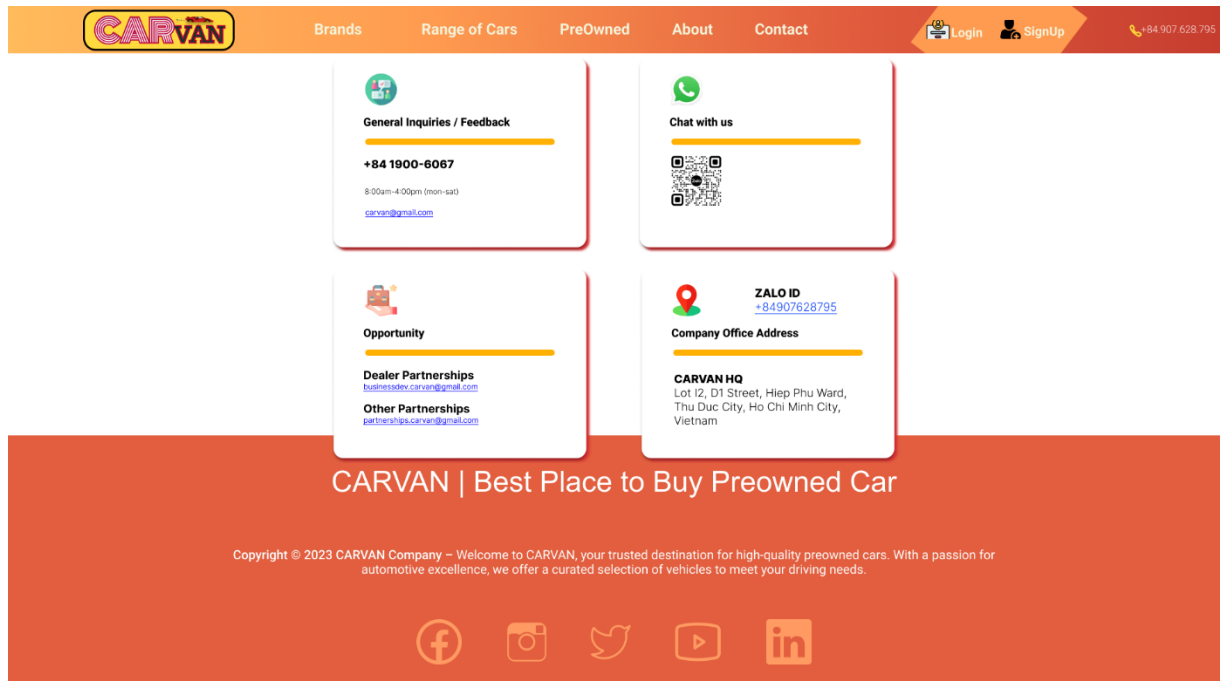
From: Home Page – Nav bar.

To: Go to pages: Other pages on Nav Bar.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 17 of 30

VI. Contact Us



Description: Provide user contact hotline number, chat app, email and address.

From: Home Page – Nav bar.

To: Go to pages:

1. Open Google Map from Company Office Address.
2. Other pages on Nav Bar.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 18 of 30

VII. Sign Up:

Or:

Name

Username

Email

Password

☐ I agree [Forgot password?](#)

Sign up

Online Form Filling

CARVAN | Best Place to Buy Preowned Car

Copyright © 2023 CARVAN Company – Welcome to CARVAN, your trusted destination for high-quality preowned cars. With a passion for automotive excellence, we offer a curated selection of vehicles to meet your driving needs.

[f](#) [i](#) [t](#) [v](#) [i](#)

Description: User register account by name, username, email, password.

From: Home Page – Nav bar.

To: Go to pages:

1. Other pages on Nav Bar.
2. Log in page.
3. Home page.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Screen shots	SWD/Form No.05/SS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 19 of 30

VIII. Log In:

Description: Users log in by registered account.

From: Home Page – Nav bar.

To: Go to pages:

1. Other pages on Nav Bar.
2. Home Page.

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Testing document	SWD/Form No.06/TD/Ver1.0
Effective Date: 09-09-2002	Version 1.0	Page No: 20 of 30

Testing document

Sr.No	Features Tested	Remarks
1	Test Brands Page: Click on a brand logo. 1. All cars with same brand must be shown. 2. Brand logo will disappear if data is empty.	
2	Test Range of Car Page: Click on a car class. 1. All cars with same range must be shown. 2. Car Class will disappear if data is empty.	
3	Test Contact Us: 1. Click on Geolocation => Show location on Google Maps.	
4	Test Login/Signup form: 1. Can't be empty. 2. Longer than 6 characters and shorter than 12 characters. 3. Correct format for email.	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Final checklist	SWD/Form No.07/FC/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 21 of 30

Final checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	Yes
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	Yes. All used React for component.
3	Are the GUI content devoid of spelling mistakes?	Yes
4	Is the application user-friendly?	Yes
5	Is the Website launching correctly in all popular browsers?	Yes
6	Are all the forms validated with proper criteria?	Yes
7	Do all text links lead to the appropriate website?	TBD
8	Do all image links lead to the appropriate website?	TBD
9	Are all the images and links clearly visible on the page?	Yes
10	Does the Web page work properly in all the tested browsers?	Yes
11	Does the Web page take too long to be loaded fully?	No
12	Is the navigation sequences correct through all the Web pages on the site?	Yes
13	Is the JavaScript code working as expected in all click events?	Yes

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Le Thanh Nhan
Signature		
Date		

Design Plan: CARVAN	Document Name: Task Sheet	SWD/Form No.08/TS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 22 of 30

No	Member	Contents	Page Name	Activity Plan	Date of Preparation of Activity Plan		
				Planed Start Date	Actual Start Date	Actual Days	Status
1	Tạ Quốc Thanh	Layout, design banners, document	Home.html	9-Sep-2023	11-Sep-2023	2	OK
2		Brands of car, logic, database	Brands.html	11-Sep-2023	15-Sep-2023	8	OK
3		Design figma, content	ContactUs.html	11-Sep-2023	16-Sep-2023	1	OK
1	Lê Vinh Chí	Detail of car	CarDetail.html	30-Sep-2023	5-Oct-2023	6	OK
2		PreOwned Cars, logic	PreOwned.html	19-Sep-2023	21-Sep-2023	3	OK
3		Range of Cars and Cars List (shared)	RageOfCars.html	17-Sep-2023	19-Sep-2023	2	OK
1	Nguyễn Hoàng Anh Tú	Header and Footer	Home.html	9-Sep-2023	11-Sep-2023	5	OK
2		AboutCANVAN, Figma, Popup	AboutCANVAN.html	11-Sep-2023	15-Sep-2023	5	OK
3		Register form and validation,	Register.html	11-Sep-2023	4-Oct-2023	5	OK
4		Sign In form and validation	SignIn.html	11-Sep-2023	4-Oct-2023	5	OK
5		Geolocation	ContactUs.html	23-Sep-2023	3-Oct-2023	1	OK

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Lê Thành Nhân
Signature		
Date		

Design Plan: CARVAN	Document Name: Task Sheet	SWD/Form No.08/TS/Ver1.0
Effective Date: 09-09-2023	Version 1.0	Page No: 23 of 30

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 02	Lê Thành Nhân
Signature		
Date		