IT3060 Human Computer Interaction

3rd Year, 2nd Semester

Assignment 3

UX/UI for riyasewana.comWebsite

Submitted to

Sri Lanka Institute of Information Technology

Name	Student ID	Email
Abeykoon R.M.S.P	IT21021602	it21021602@my.sliit.lk
Jayasinghe K.A.K.N	IT21032806	it21032806@my.sliit.lk
Nishshanka N.A.P.K.R	IT21033032	it21033032@my.sliit.lk
Nishshanka N.A.G.A.A	IT21032974	it21032974@my.sliit.lk
Sendanayaka D.C.I	IT21112164	it21112164@my.sliit.lk

In partial fulfilment of the requirements for the

Bachelor of Science Special Honors Degree in Information Technology

19th OCTOBER 2023

Group No: 2023-WE-S2-36 / Group Name: Smart Crew

Table of Contents

Introduction 3
Methodology 3
Workload Distribution 4
Feature and Tasks for Each UI/UX 5
Gantt chart 8
Future Work 8
UX/UI Design for each member 9
Test Cases 14
References 18
Raw prototype files with instruction on how to open them 18
video demonstration 18

Introduction

Here, we want to improve the user interface compared to the current one. While there are some excellent websites, the user experience on them is poor due to the UI that has been used.
Both the users and the server providers should avoid this. HCI illustrates the relationship between the computer and its user. The user interfaces (UIs) used in this interaction should be intuitive.

We have selected the website "**Riyasewana**" for our project because it allows users to post items for sale, buy them, and trade services. There are numerous errors throughout the website, and the user interfaces are completely outdated. We were able to gather all the necessary information from the relevant parties, and our goal is to build a website that is more user-friendly and effective so that users can navigate it without any issues.

Methodology

To determine the viability of the riyasewana.com website, we conducted user research. We conducted that study using an online user interview. We asked all the questions about which we hoped to receive feedback during that interview, and we received sufficient answers.

Our interviews were conducted through Zoom meetings because of the pandemic situation in the nation. We chose university students and teachers to interview the marketing manager. We conducted structured interviews and received prewritten questions. Selected users who used the riyasewana.com website as customers left negative reviews. We asked them to perform tasks like place orders, add contacts, create accounts, and update contact information.

They described to us every vulnerability they ran into while carrying out their duties, and together we determined that the current site needed to be further enhanced by the addition of new features and functionalities. This is how we successfully conducted our user research.

Workload Distribution

No	Student Name	Selected Pages
Member 1	Abeykoon R.M.S.P	• **Home page** • **Login page** • **Registration page**
Member 2	Jayasinghe K.A.K.N	• **Sell vehicle page** • **Buy spare parts page** • **Add wanted ad**
Member 3	Nishshanka N.A.P.K.R	• **Contact us page** • **Contribute page** • **Leasing offers page**
Member 4	Nishshanka N.A.G.A.A	• **Search wanted page** • **Edit my add page** • **Buy car page**
Member 5	Sendanayaka D.C.I	• **Edit my profile page** • **Change password** • **Buy SUVs/ jeeps page**

Feature and Tasks for Each UI/UX

IT21021602 – Abeykoon R.M.S.P

1) **Feature / Task 1 = Home page**

There are 7 categories on the home page, and they are organized in a manageable way to attract users.

2) **Feature / Task 2 = Login page**

Customers can log in here, and the system will recognize them. By clicking the "forgot password" button, a customer's password can be reset if they have forgotten it. the customer can also auto-login by using their email address.

3) **Feature / Task 3 = Registration page**

The purpose of this is to include a new customer. The customer must provide their username, password, and confirmation code, as well as their district, city, and email address. customer can then register on the website. If a customer already has an account, they can use the login here button on the registration page.

IT21032806 - Jayasingha K.A.K.N

1) **Feature / Task 1 = Sell vehicle page**

My first page is devoted to selling vehicles, and it contains one listing composed of a vehicle's name, location, and price. The user can click on "check more" if they want to know more. Due to its clarity and organization, we decided to list vehicles in three rows on a single page.

2) **Feature / Task 2 = Buy spare parts page**

Using this page, customers can purchase spare parts with ease. Using this page, he or she can obtain the name, price, and location of the spare parts.

3) **Feature / Task 3 = Add wanted ad**

Anybody can easily identify this page thanks to the user-friendly interface, and customers can add advertisements using this interface.

IT21033032 - Nishshanka N.A.P.K.R

1) Feature / Task 1 = Contact us page

Map, contact information, and demonstration massage are the main contents of this page. Our main goal was to create an easy-to-use interface that allowed users to enter the necessary information and press the Send request button when finished.

2) Feature / Task 2 = Contribute page

The contribute page's previous interface had jumbled up elements and information. The user interface has been made much more appealing and eye-catching by adding images, organizing the resources with pertinent hyperlinks, and fixing some text font issues that made the page look bland.

3) . Feature / Task 3 = Leasing offers page

This page has been designed to give the user an understanding of the leasing plans when buying a vehicle. I have This page has been created to help the user understand the leasing options available when purchasing a vehicle. To make the experience more user-friendly, I edited the text size and added an image.

IT21032974- Nishshanka N.A.G.A.A

1) Feature / Task 1 = Search wanted page

My first page is the Search Wanted page, where we have concentrated our efforts on listing vehicles and listing compositions with the most popular advertisements. If a user needs to know more, they can click to check out more.

2) Feature / Task 2 = Edit my add page

The user can add, edit, delete, and view ads on this page. user can use this page to do this.

3) Feature / Task 3 = Buy car page

The user can search and filter the cars on this page. The user can select an advertisement to view more information about the car by scrolling down to it.

IT2112164- Sendanayaka D.C.I

1) Feature / Task 1 = Edit my profile page

By clicking the edit profile link, users can access the edit my profile page. Here, the user can update his or her profile by entering new information and clicking the save button. When managing accounts and editing details, the user can benefit from a positive user experience.

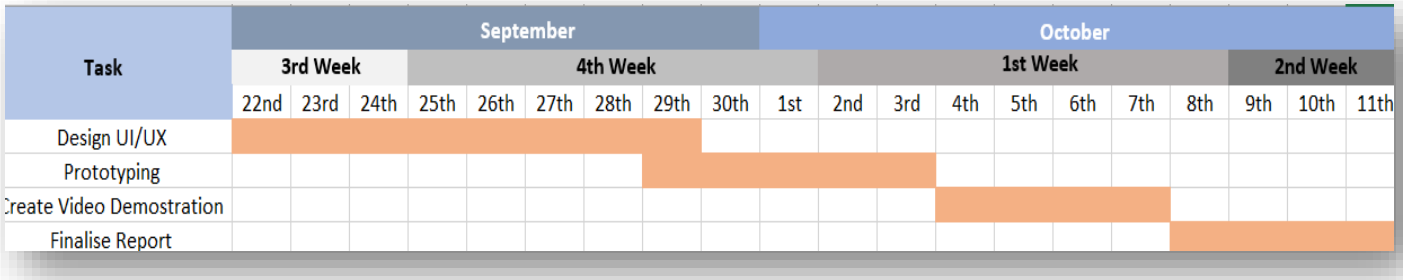
2) Feature / Task 2 = Changed password

The link to change your password was clicked, and a new password page was opened. The password can be updated by the user by entering a new password and clicking the "Save" button.

3) Feature / Task 3 = Buy SUVs/ jeeps page

Clicking the "Buy SUV" button will take you to a page listing SUVs for sale in Sri Lanka. This page lists every SUV that has been listed by a seller, and it includes a filter option to search by various categories.

❖ Gantt chart



Task	September									October									
	3rd Week			4th Week						1st Week							2nd Week		
	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
Design UI/UX																				
Prototyping																				
Create Video Demostration																				
Finalise Report																				

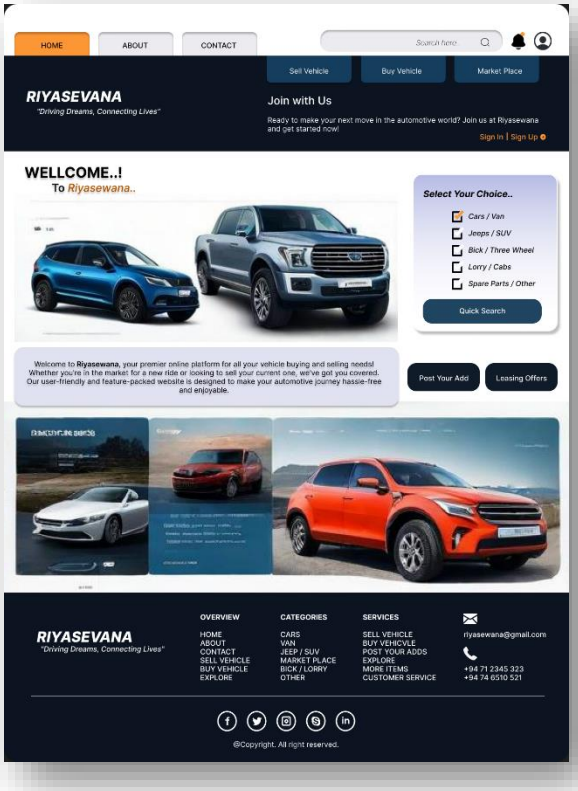
❖ Future Work

Different adjustments, tests, and experiments were permitted for the future due to the lack of time. Future research may involve a deeper examination of particular mechanisms, fresh recommendations for experimenting with different approaches, or simply curiosity. After finishing the website design, we spoke with the client about the project's challenges. It has to be front end coding. for this group participant. Additionally, we are eager to select a back-end language and framework. We intend to test once the coding has been completed. After the test, we intend to deliver the finished project to the client.

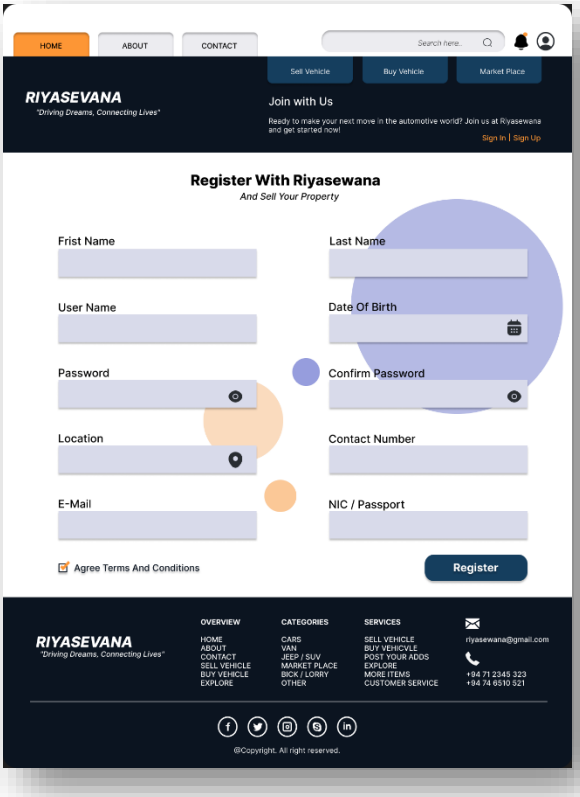
❖ UX/UI Design for each member

IT21021602 – Abeykoon R.M.S.P

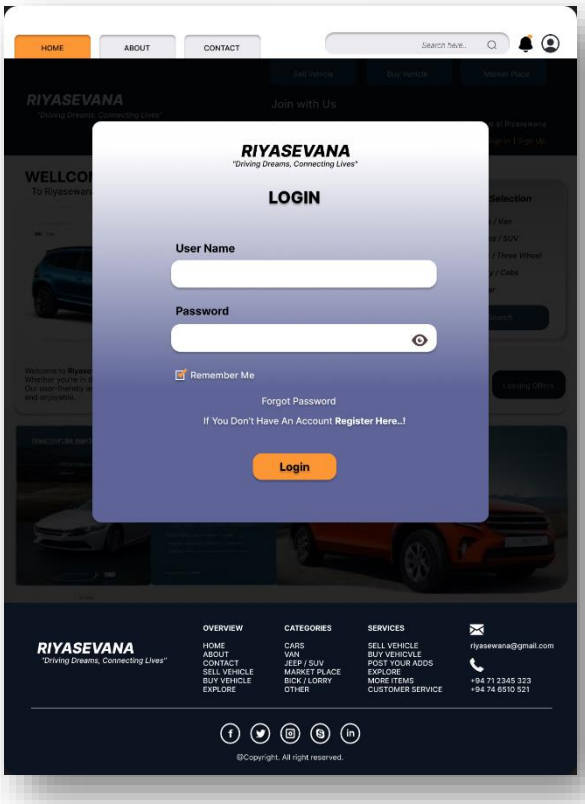
Home page



Registration page



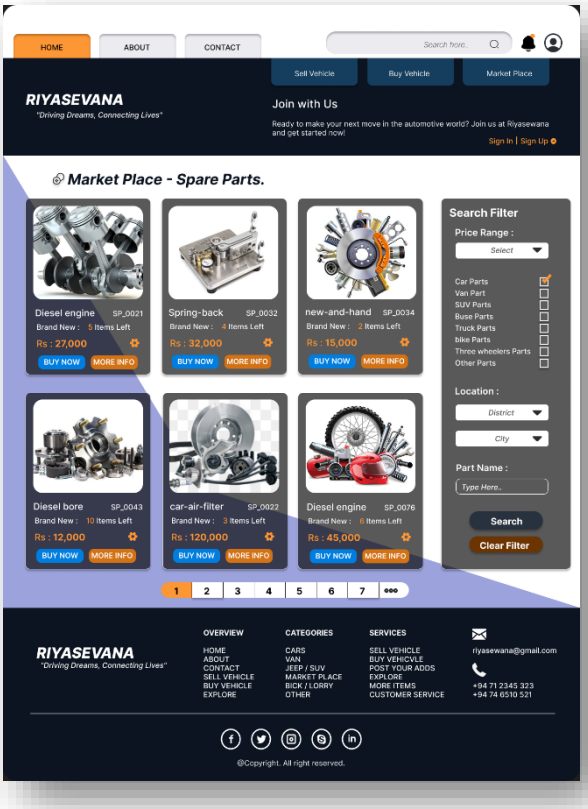
Login page



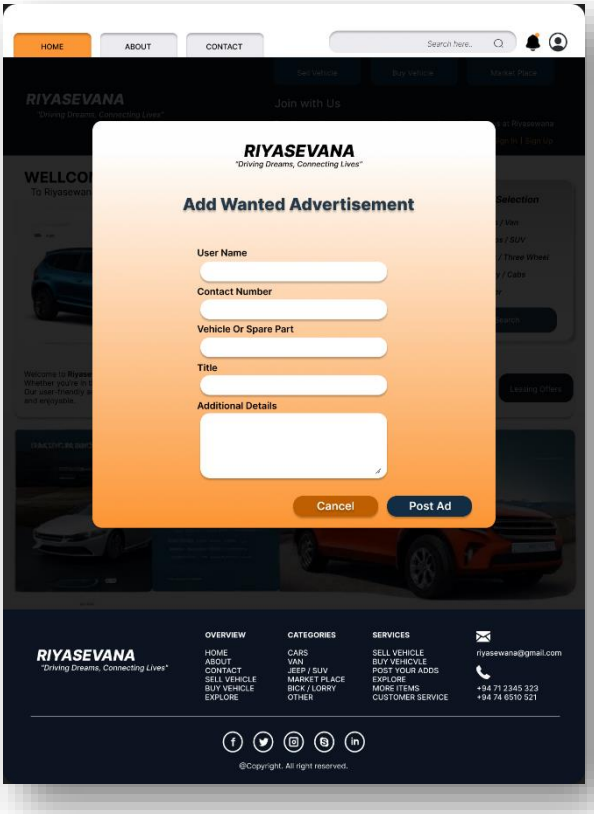
IT21032806 – Jayasingha K.A.K.N

Sell vehicle page

Buy spare parts page



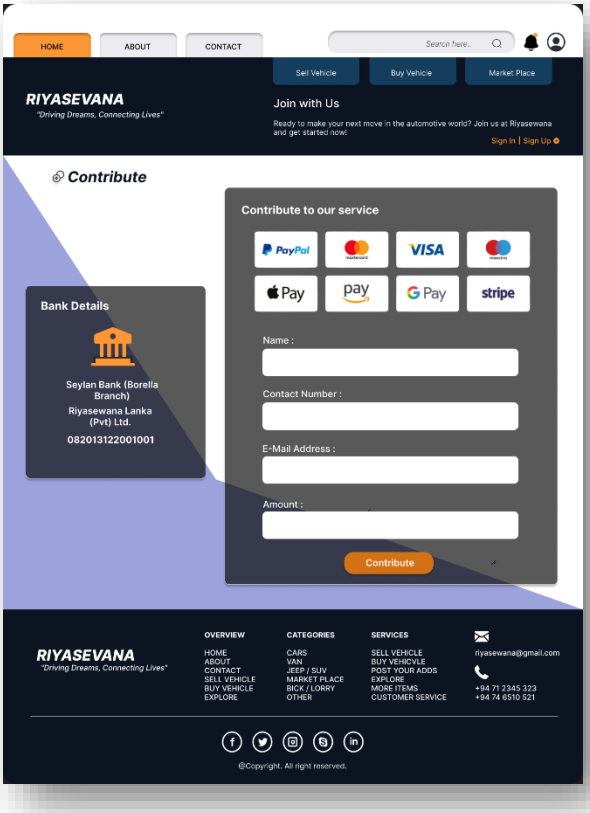
Add wanted ad



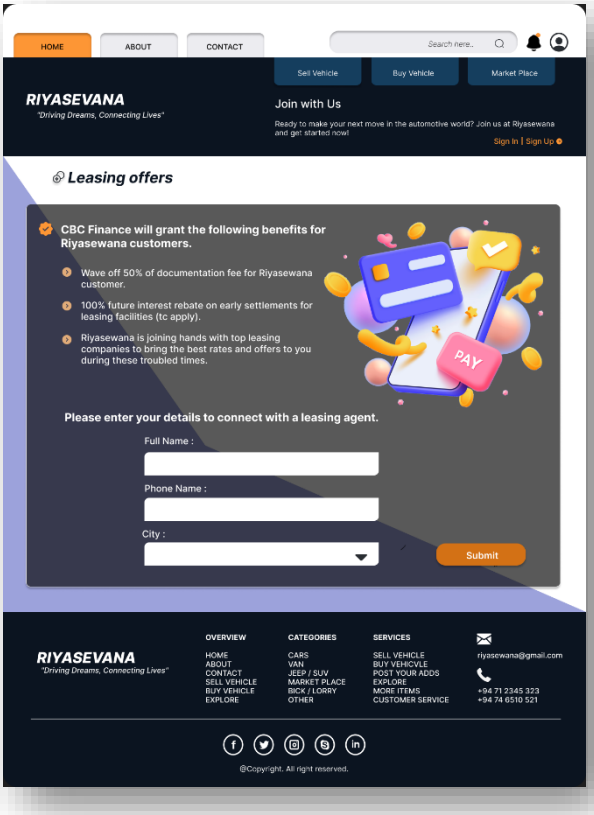
IT21033032 – Nishshanka N.A.P.K.R

Contact us page

Contribute page



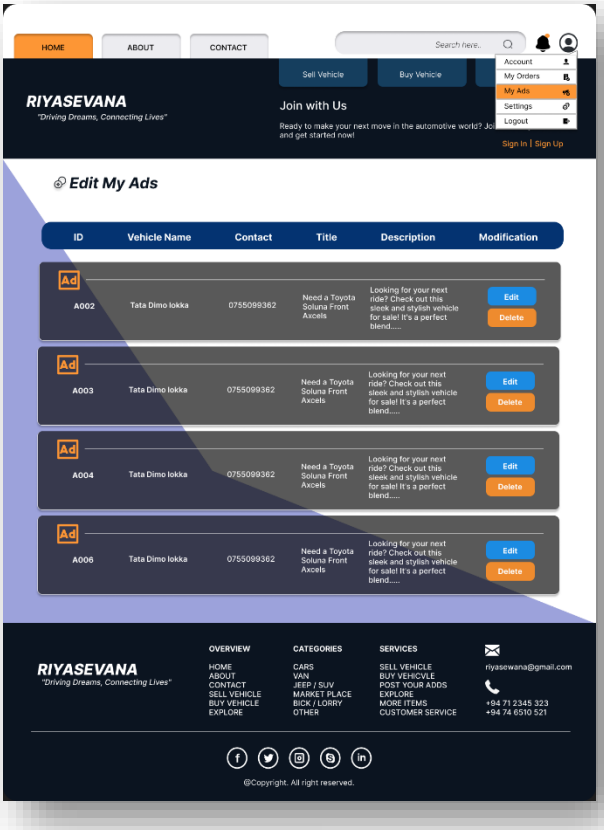
Leasing offers page



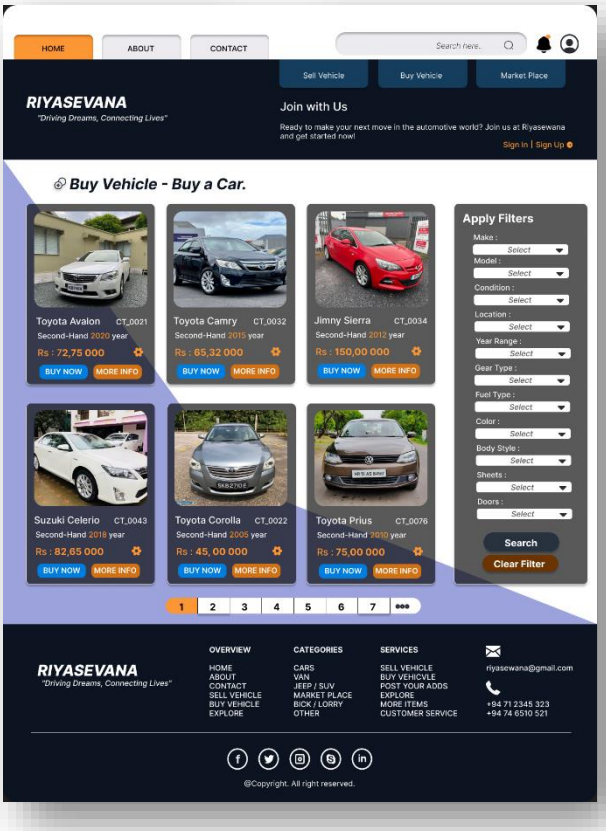
IT21032974- Nishshanka N.A.G.A.A

Search wanted page

Edit my add page



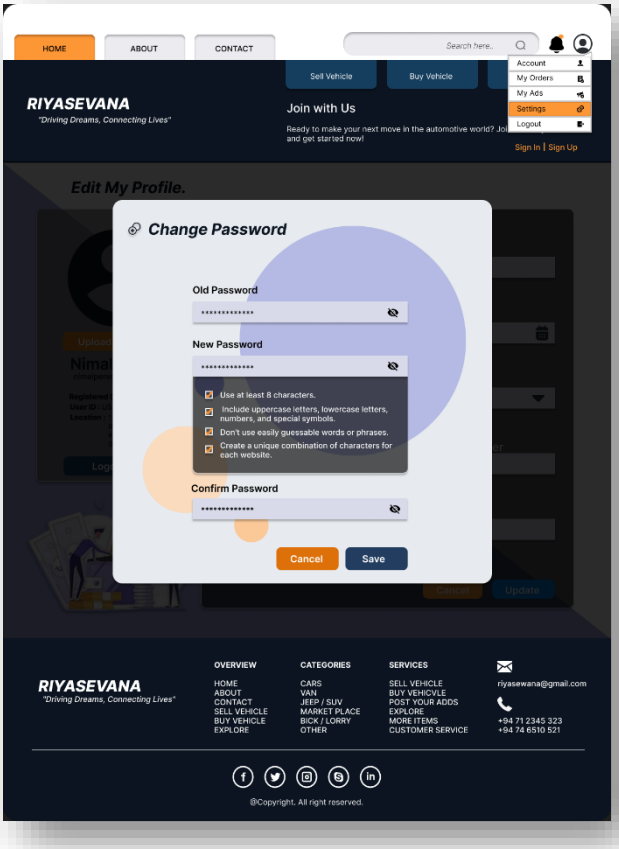
Buy car page



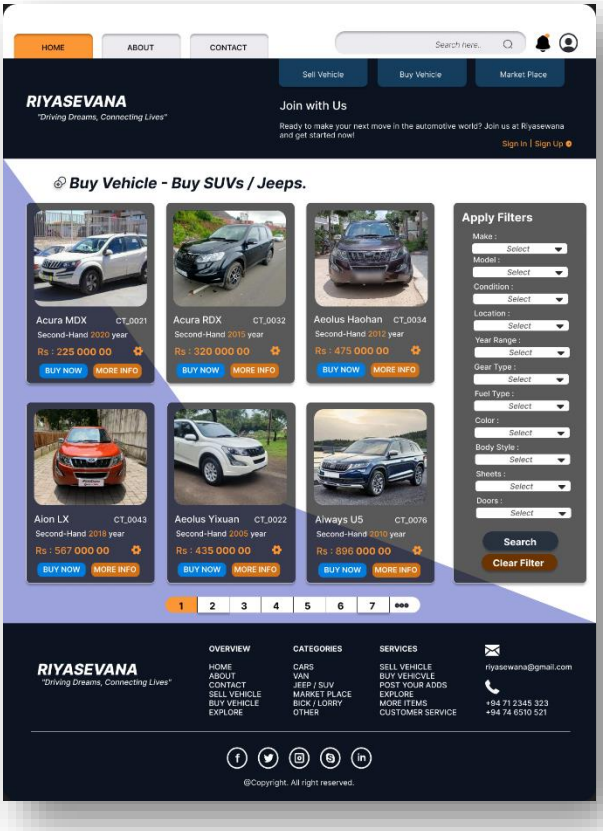
IT2112164- Sendanayaka D.C.I

Edit my profile page

Changed password page



Buy SUVs/ jeeps page



❖ Test Cases

Test ID	Test Case	Test Step	Expected Results	Actual Results	Status
RS001	Check if user is able to navigate to the ‘’Sell Vehicle’’ page successfully. (Check if the ‘’Sell Vehicle’’ button works properly or not.)	1. Log in to Riya Sewana Site 2. Navigate to the Home Page 3. Click on ‘’Sell Vehicle’’ Section under the Navigation bar	User should navigate to the ‘’Sell Vehicle’’ Page successfully.	User navigates to the ‘’Sell Vehicle’’ Page successfully.	Passed
RS002	Check if user is able to navigate to the ‘’Buy Vehicle’’ page successfully. .(Check if the ‘’Buy Vehicle’’ button works properly or not.)	1. Log in to Riya Sewana Site 2. Navigate to the Home Page 3. Click on ‘’Buy Vehicle’’ Section under the Navigation bar	User should navigate to the ‘’Buy Vehicle’’ Page successfully.	User navigates to the ‘’Buy Vehicle’’ Page successfully.	Passed
RS003	Check if a user can fill registration form successfully or not.	1. Log in to Riya Sewana Site. 2. Navigate to the Registration Page. 3. Fill the registration form.	User should be able to fill the registration form successfully.	User is able to fill the registration form successfully	Passed
RS004	Check if the ‘’Terms and Conditions’’ radio button works properly or not.	1. Log in to Riya Sewana Site. 2. Navigate to the Registration Page. 3. Click and accept the terms and conditions.	• User should be able to accept the terms and conditions radio button. • Until user accepted the terms and conditions, system should not register the user	• User is able to accept the terms and conditions radio button. • Until user accepted the terms and conditions, system does not register the user	Passed
RS005	Check if the ‘’Log in’’ button works properly or not.	1. Log in to Riya Sewana Site. 2. Navigate to the Log in Page. 3. Enter the User name and Password. 4. Click on Login button	User should be able to log in to the system successfully.	User is able to log in to the system successfully.	Passed

RS006	Check if the ‘’Remember Me’’ radio button is clickable or not	1. Log in to Riya Sewana Site. 2. Navigate to the Log in Page. 3. Click on Remember me Radio button.	‘’Remember Me’’ radio button should be clickable.	‘’Remember Me’’ radio button is clickable.	Passed
RS007	Check if user can save the Vehicle post successfully. (Check if the ‘’Save Post’’ button is works properly or not.)	1. Log in to Riya Sewana Site. 2. Navigate to the Sell Vehicle Page. 3. Fill the details and Click on Save Post button.	User should be able to save the post successfully.	User is able to save the post successfully.	Passed
RS008	Check if user can upload images successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Sell Vehicle Page. 3. Upload images	User should be able to upload images successfully.	User is able to upload images successfully.	Passed
RS009	Check if user can navigate to the spare-parts page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Market Place Page.	User should be able to navigate to the spare-parts successfully.	User is able to navigate to the spare-parts successfully.	Passed
RS010	Check if search button is clickable or not	1. Log in to Riya Sewana Site. 2. Navigate to the Market Place Page. 3. Click on search button	Search button should be clickable.	Search button is clickable.	Passed
RS011	Check if user can navigate to the Add Wanted Adds Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Wanted Adds Page.	User should be able to navigate to the Add wanted Adds pages successfully.	User is able to navigate to the Add wanted Adds pages successfully.	Passed
RS012	Check if the cancel add button is clickable or not.	1. Log in to Riya Sewana Site. 2. Navigate to the Wanted Adds Page. 3. Click on Cancel Add button.	Cancel Add button should be clickable.	Cancel Add button should be clickable.	Passed
RS013	Check if the Contribute button is clickable or not.	1. Log in to Riya Sewana Site. 2. Navigate to the Contact Page. 3. Click on Contribute button.	Contribute button should be clickable and should navigate to the Contribute Page.	Contribute button is clickable and navigate to the Contribute Page.	Passed

RS014	Check if user can navigate to the Contact Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Contact Page.	User should be able to navigate to the Contact pages successfully.	User is able to navigate to the Contact pages successfully.	Passed
RS015	Check if user can navigate to the Contribute Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Contribute Page.	User should be able to navigate to the Contribute pages successfully.	User is able to navigate to the Contribute pages successfully.	Passed
RS016	Check if the Contribute button works successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Contact Page. 3. Click on Cancel Add button.	Contribute button should be clickable and should display a success message.	Contribute button is clickable and display a success message.	Passed
RS017	Check if the Submit button works successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Leasing Offers Page. 3. Click on Submit button.	Submit button should be clickable	Submit button is clickable.	Passed
RS018	Check if user can navigate to the Leasing Offers Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Leasing Offers Page.	User should be able to navigate to the Leasing Offers pages successfully.	User is able to navigate to the Leasing Offers pages successfully.	Passed
RS019	Check if the Info button works successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Posts Page. 3. Click on Info button.	Info button should be clickable	Info button is clickable.	Passed
RS020	Check if user can navigate to the Posts Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the posts Page.	User should be able to navigate to the Posts pages successfully.	User is able to navigate to the Posts pages successfully.	Passed
RS021	Check if the My Adds button works successfully.	1. Log in to Riya Sewana Site. 2. Click on Profile. 3. Click on My Adds button.	My Adds button should be clickable	My Adds button is clickable.	Passed

RS022	Check if user can navigate to the Edit My Adds Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Edit My Adds Page.	User should be able to navigate to the Edit My Adds pages successfully.	User is able to navigate to the Edit My Adds pages successfully.	Passed
RS023	Check if the Search button works successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Buy Car page. 3. Click on Search button.	Search button should be clickable	Search button is clickable.	Passed
RS024	Check if user can navigate to the Buy Car Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Buy Car Page.	User should be able to navigate to the Buy Car pages successfully.	User is able to navigate to the Buy Car page successfully.	Passed
RS025	Check if the user can log out from the site successfully.	1. Log in to Riya Sewana Site. 2. Click on Log out button.	User should be able to log out from the system	User is able to log out from the system	Passed
RS026	Check if user can navigate to the Edit profile Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Edit profile Page.	User should be able to navigate to the Edit profile pages successfully.	User is able to navigate to the Edit profile page successfully.	Passed
RS027	Check what happens if the user change the password successfully.	1. Log in to Riya Sewana Site. 2. Change the password.	System should pop up a success message.	System pop up a success message.	Passed
RS028	Check if user can navigate to the Change password Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Change password Page.	User should be able to navigate to the Change password pages successfully.	User is able to navigate to the Change password page successfully.	Passed
RS029	Check what happens if the user clicks on More Info button	1. Log in to Riya Sewana Site. 2. Change the password.	More Info button should be clickable	More Info button is clickable	Passed
RS030	Check if user can navigate to the Buy Jeep Page successfully.	1. Log in to Riya Sewana Site. 2. Navigate to the Buy Jeep Page.	User should be able to navigate to the Buy Jeep pages successfully.	User is able to navigate to the Buy Jeep page successfully.	Passed

References

❖ Creating Personas for User Experience Research
https://youtu.be/u44pBnAn7cM

❖ Usability Problems
https://www.invespcro.com/blog/7-methods-to-uncover-problems-on-your-website/

Raw prototype files with instructions on how to open them.

- ❖ **Step 1 -** Download Figma to your PC.
- ❖ **Step 2 -** install the Figma desktop application.
- ❖ **Step 3 -** Open the link.
- ❖ **Step 4 –** Link - https://www.figma.com/file/T3PjgHLRmDLw04Mv8adgfx/Untitled?type=design&node-id=0%3A1&mode=design&t=sNJ4Q8HtlPefMg9n-1

Video Demonstration Link.

https://mysliit-my.sharepoint.com/:v:/g/personal/it21032806_my_sliit_lk/EReH6u735dFElUlk6lDrJNgBHp4BSryXLfjRLmu_gGLMYg?nav=eyJyZWZlcnJhbEluZm8iOnsicmVmZXJyYWxBcHAiOiJPbmVEcml2ZUZvckJ1c2luZXNzIiwicmVmZXJyYWxBcHBQbGF0Zm9ybSI6IldlYiIsInJlZmVycmFsTW9kZSI6InZpZXciLCJyZWZlcnJhbFZpZXciOiJNeUZpbGVzTGlua0RpcmVjdCJ9fQ&e=rMVPxt