

# Creating Web Application

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## COS10011

Semester 2, 2021

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# Assignment 1

## 1. Introduction

### 1.1. Scope of the website

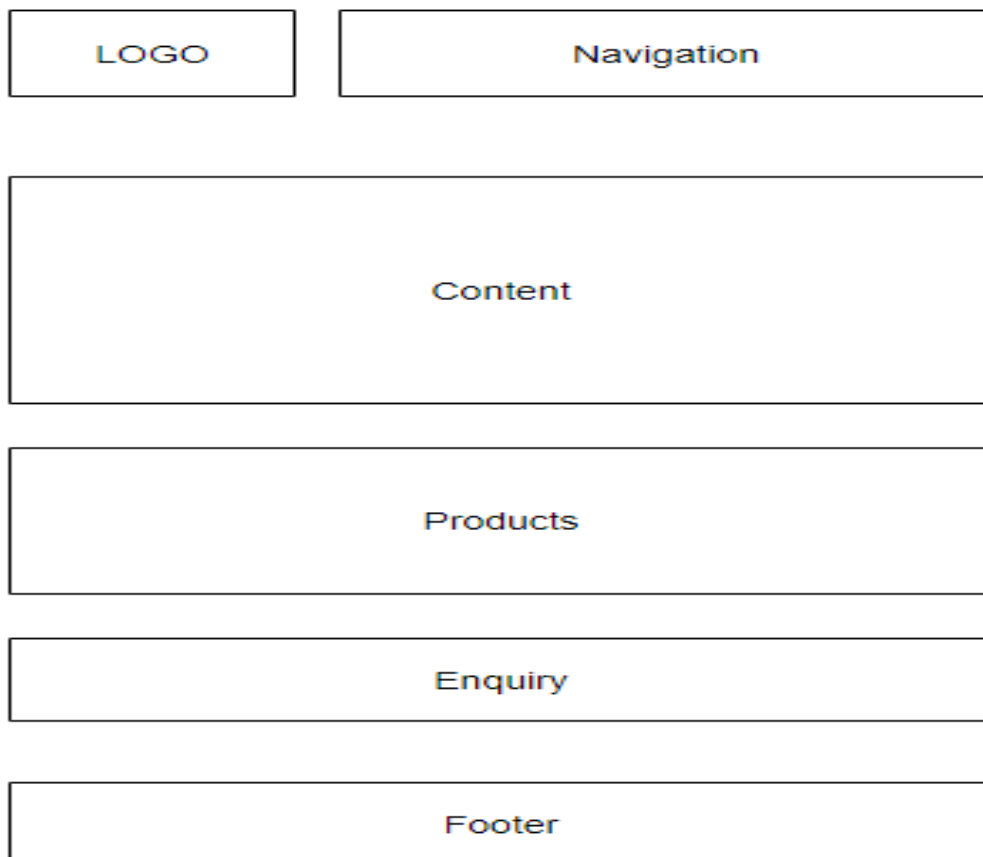
Scope of my website is rental car service. The aim is to provide customer with best cars , 4 categories of Budget, Standard, Luxury and SUV.

### 1.2. Intended audience

This website directs to audience that are living in Malaysia and are looking for a rental car in standard rates.

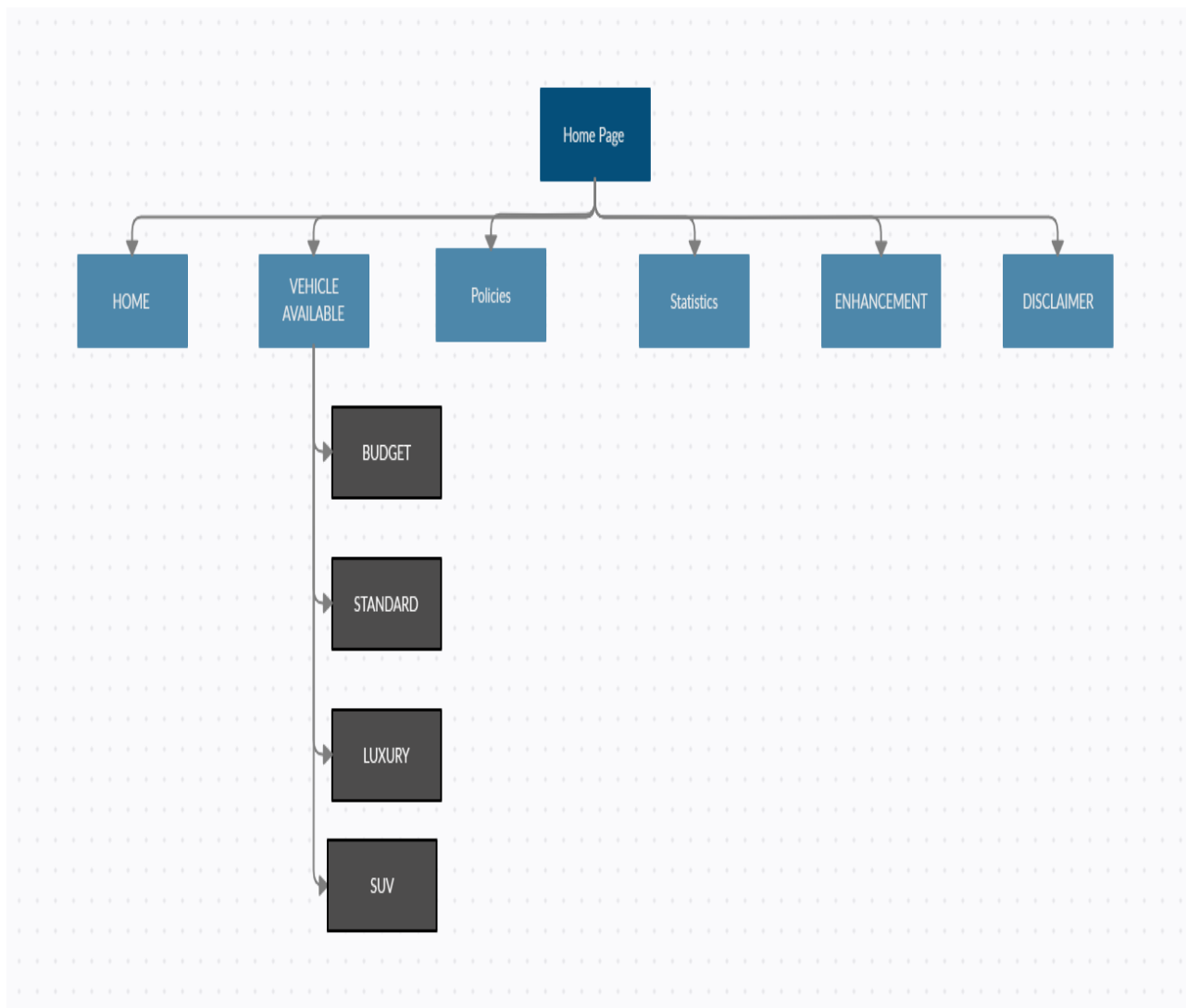
## 2. Webpage Design and Structure

### 2.1. Website Layout Mock-ups





## 2.2. Website Structure

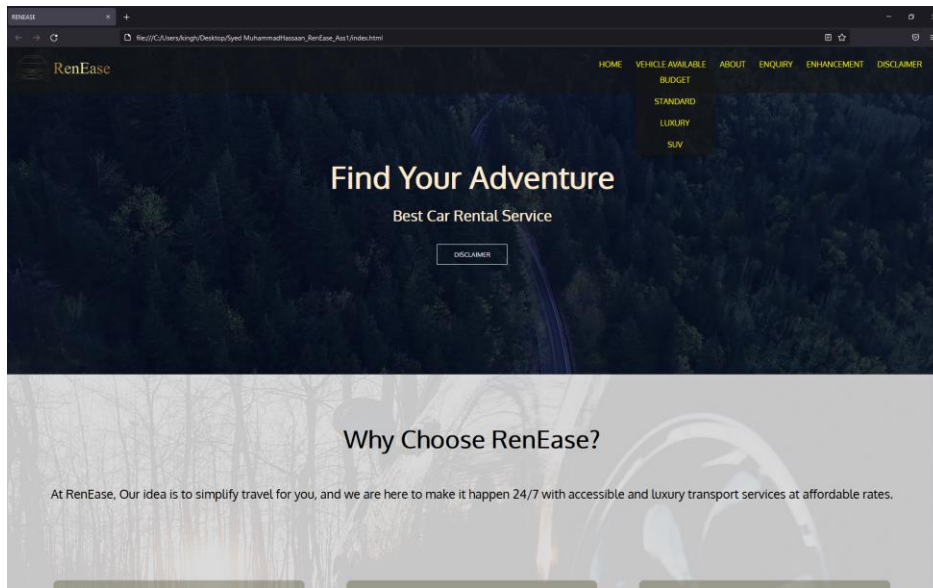


## 3. End Product:

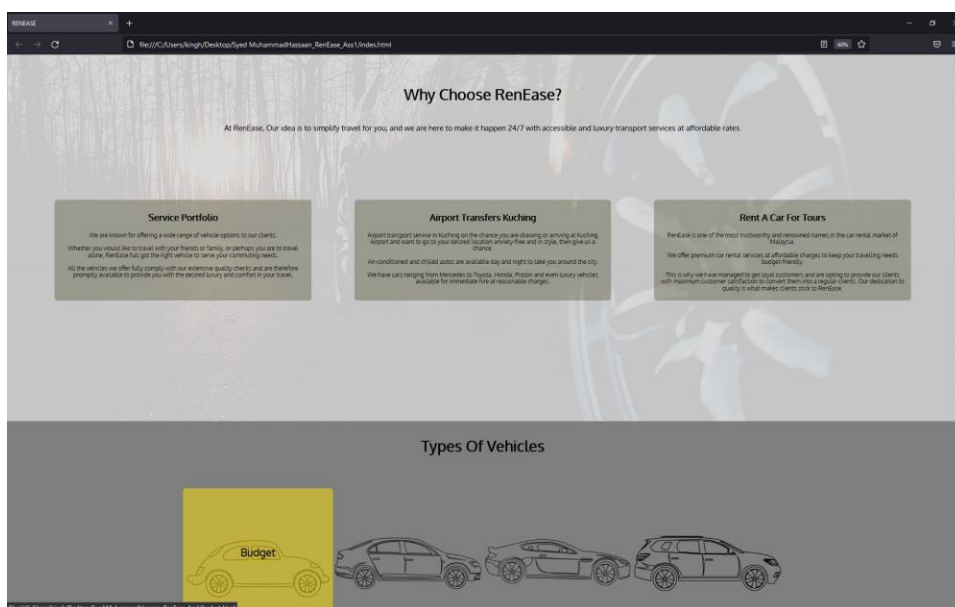
### 3.1. Actual User Interface

#### 3.1.1. Home Page

Logo drop down Navbar



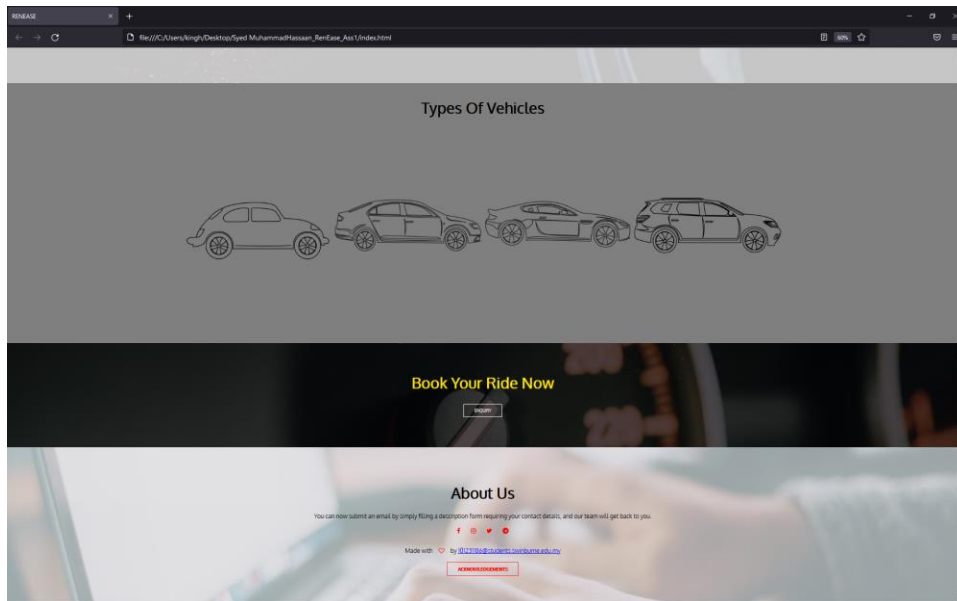
Content on the homepage



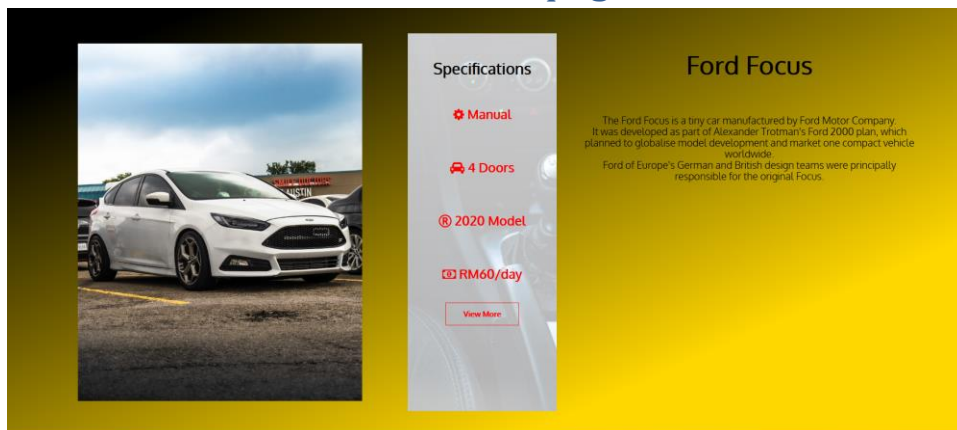




## Footer



### 3.1.2. Product page



### 3.1.3. About



SYED MUHAMMAD HASSAAN BIN GHAYAS

Student ID: 101231186

Currently, I am taking a degree in

**Bachelor of Science in Computer Science (BSCS)**

This website was created to accomplish an assignment given by the unit COS10011 (Creating Web Application) lecturer, Mrs Choo Ai Ling.

Web Application) lecturer, Mrs Choo Ai Ling.

Age	22
Date of Birth (DOB)	03 May 1999
Country	Pakistan
City	Karachi
About Me	<p>I am Syed Muhammad Hassaan Bin Ghayas student at Swinburne University Sarawak.</p> <p>I am pursuing my degree in Bachelors of Computer Science.</p> <p>I love travelling and playing games. I am always learning about computer-related stuff on youtube.</p> <p>I want to pursue a Career in Computer Science. My dream is to work for Microsoft and Google.</p>
Hobbies	<p>🚣Playing Video Games</p> <p>🚣Watching Anime and Series</p> <p>🚣Travelling</p>

#### Our Location



### 3.1.4. Enquiry

#### Personal Details

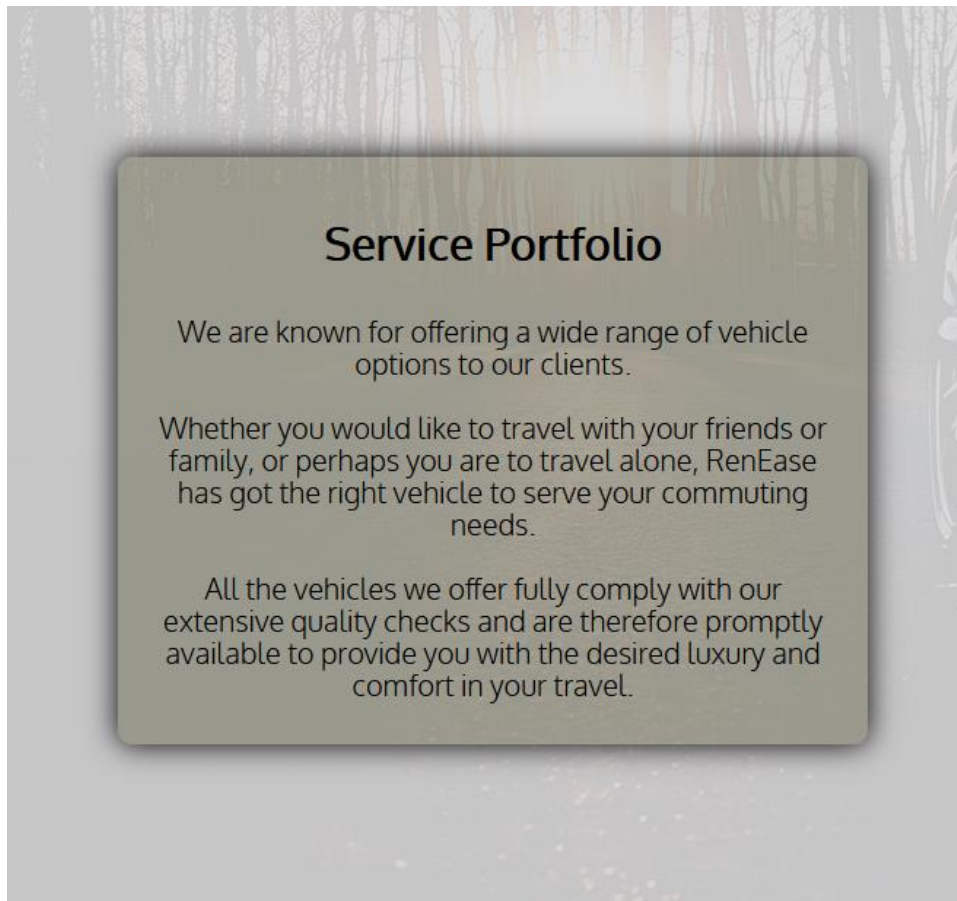
First name:	<input type="text" value="First name"/>
Last name:	<input type="text" value="Last name"/>
Email:	<input type="text" value="name@domain.com"/>
Date of birth:	<input type="text" value="mm / dd / yyyy"/>
Phone Number:	<input type="text" value="xxxxxxxx"/>

## 3.2. Enhancements

I have 7 enhancements in total.

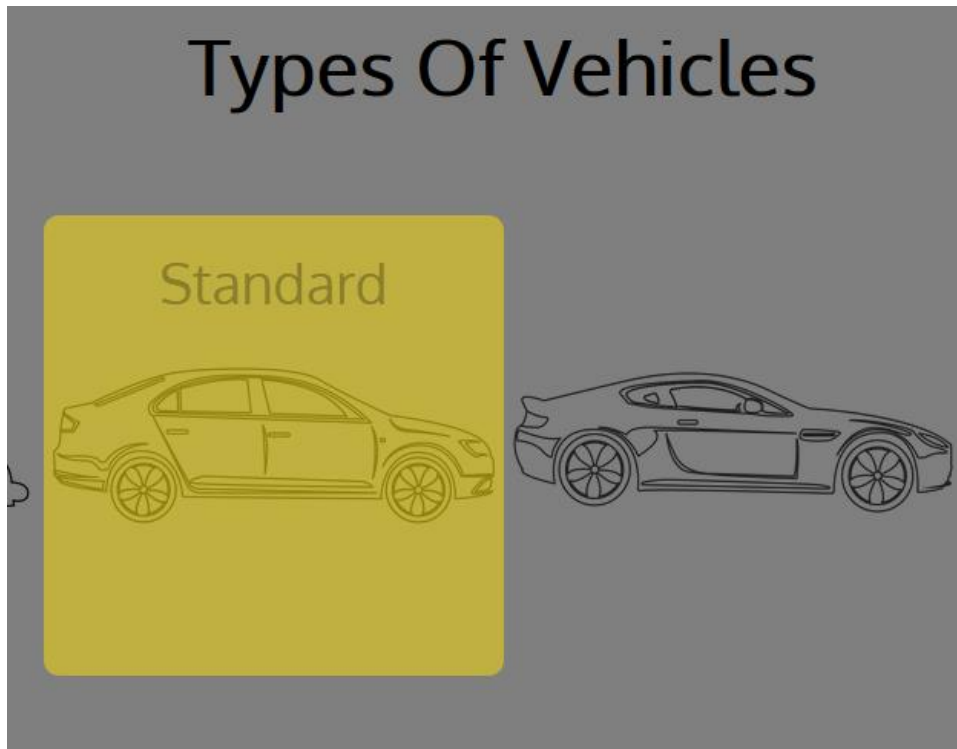
### 3.2.1. Hover effect on container:

Hover effect when you take your pointer to the information(container).



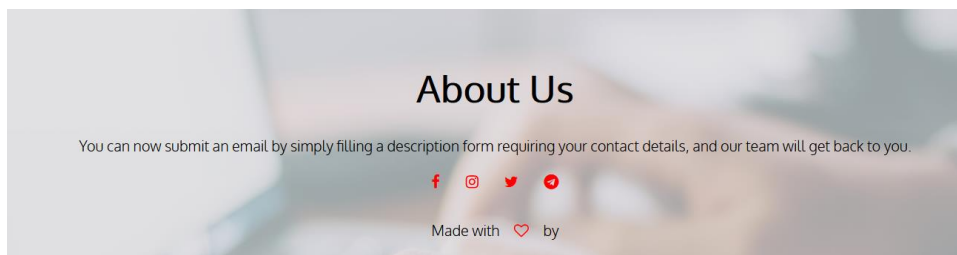
### 3.2.2. Hover effect on Image:

When you take your pointer on the image the color changes to yellow and you can click it to move to the page.



### 3.2.3. Picture banner blur:

Picture banner with blur effect to make website look more appealing.



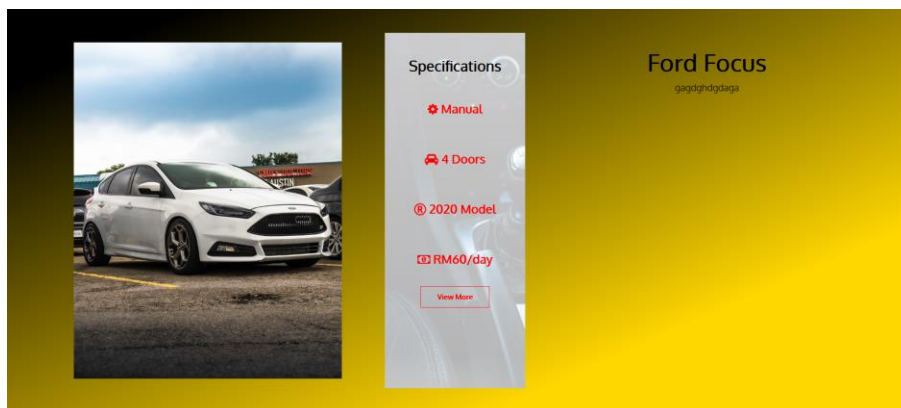
### 3.2.4. Button enhancement:

Button when you hover your pointer over it the color changes.



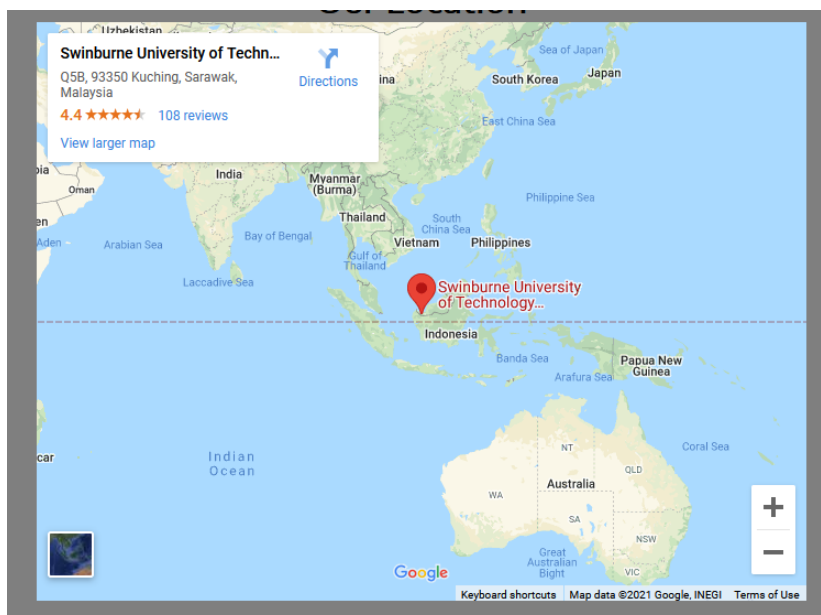
### 1.a.1. Color Gradient effect on container:

The gradient color effect for the background with yellow and black color scheme.



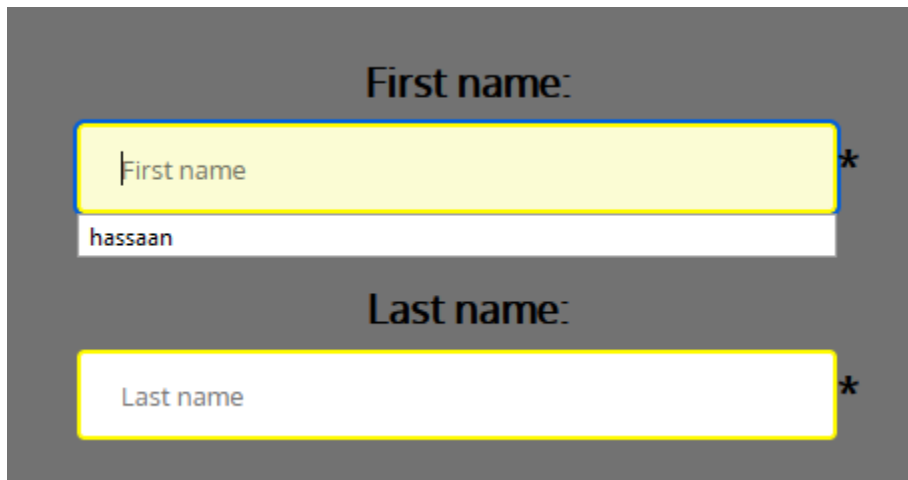
### 3.2.5. Google map address:

Google map location for the address.



### 3.2.6. Enhancement on the form fields:

The border for the form and when you are on specific field the background colour of the field changes to light yellow.



The image shows a form with two input fields. The first field is labeled "First name:" and contains the text "First name" with a cursor. The second field is labeled "Last name:" and contains the text "Last name". Both fields have a light yellow background and a blue border. The text "hassaan" is visible below the first field. The form is set against a dark gray background.

First name:

First name \*

hassaan

Last name:

Last name \*

# Assignment 2

## 1. Description

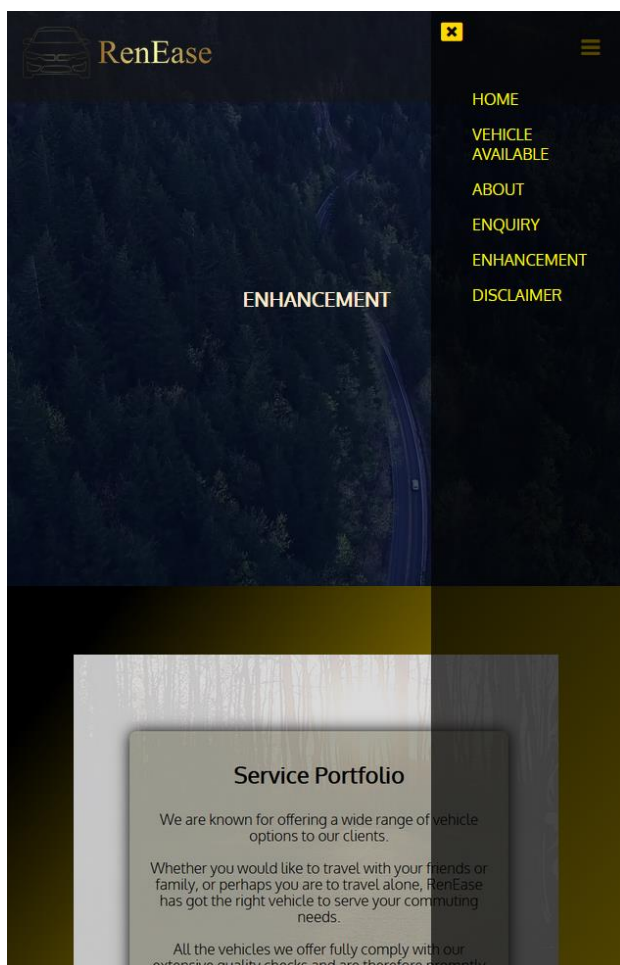
We used JavaScript on the website to validate the Enquiry form. Then update the form to transfer data between pages and transfer data with-in the same page. These were the basic requirements for the assignment 2.

## 2. End Product

### 2.1 Enhancements

#### 2.1.1 Responsive Hamburger Menu:

When website is viewed on mobile device the text and images changes according to the size and the navigation bar changes to hamburger selected icon.





```
//Navbar Responsive
var navLinks = document.getElementById("navLinks");
function showMenu(){
    navLinks.style.right = "0";
}
function hideMenu(){
    navLinks.style.right = "-200px";
}
var slideIndex = 0;
showSlides();

function validateForm() {
    var product = document.getElementById("product").value;
    sessionStorage.product = product;

    return result;
}
```

### 2.1.2 Image Slideshow:

Image slideshow is enhancement using JavaScript image is changed after every 2 seconds.



```
//Slideshow
var navLinks = document.getElementById("navLinks");
function showMenu(){
    navLinks.style.right = "0";
}
function hideMenu(){
    navLinks.style.right = "-200px";
}
var slideIndex = 0;
showSlides();

function showSlides() {
    var i;
    var slides = document.getElementsByClassName("mySlides");
    var dots = document.getElementsByClassName("dot");
    for (i = 0; i < slides.length; i++) {
        slides[i].style.display = "none";
    }
    slideIndex++;
    if (slideIndex > slides.length) {slideIndex = 1}
    for (i = 0; i < dots.length; i++) {
        dots[i].className = dots[i].className.replace(" active", "");
    }
    slides[slideIndex-1].style.display = "block";
    dots[slideIndex-1].className += " active";
    setTimeout(showSlides, 2000); // Change image every 2 seconds
}
```

### 2.1.3 Live Count Down:

There is a live countdown on the Website for the Lucky draw that will end on New year.



```
// Set the date we're counting down to New Year Sale
var countdownDate = new Date("Dec 31, 2021 23:59:00").getTime();

// Update the count down every 1 second
var x = setInterval(function() {

    // Get today's date and time
    var now = new Date().getTime();

    // Find the distance between now and the count down date
    var distance = countdownDate - now;

    // Time calculations for days, hours, minutes and seconds
    var days = Math.floor(distance / (1000 * 60 * 60 * 24));
    var hours = Math.floor((distance % (1000 * 60 * 60 * 24)) / (1000 * 60 * 60));
    var minutes = Math.floor((distance % (1000 * 60 * 60)) / (1000 * 60));
    var seconds = Math.floor((distance % (1000 * 60)) / 1000);

    // Output the result in an element with id="demo"
    document.getElementById("demo").innerHTML = days + "d " + hours + "h "
    + minutes + "m " + seconds + "s ";

    // If the count down is over, write some text
    if (distance < 0) {
        clearInterval(x);
        document.getElementById("demo").innerHTML = "EXPIRED";
    }
}, 1000);
```

## Assignment 3

### Description

This project entails converting the entire HTML website to PHP to incorporate the PHP connection to database capability. MySQL is the database utilized in this project. CRUD (Create, Read, Update, and Delete) will be implemented within the system as well as a webpage PHP also made it possible to reuse certain HTML skeletons. I have added a MySQL database for the enquiries page to access all the data quickly and neatly.

This assignment also includes some enhancements. The user Management Module was chosen as the enhancement module to be included.

Renease | Admin















Back to Portal

Sign In

Login

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Firstly, we have added a login ID and Password for the admin to access the saved enquiries in the Database.

	about.php	12/9/2021 11:22 PM	PHP Source File	6 KB
	acknowledgement.php	12/9/2021 11:22 PM	PHP Source File	9 KB
	budget.php	12/9/2021 11:22 PM	PHP Source File	8 KB
	disclaimer.php	12/9/2021 11:22 PM	PHP Source File	5 KB
	enhancement.php	12/9/2021 11:22 PM	PHP Source File	7 KB
	enhancement2.js	12/9/2021 11:22 PM	JavaScript Source ...	3 KB
	enhancement2.php	12/9/2021 11:22 PM	PHP Source File	5 KB
	enquiry.php	12/9/2021 11:22 PM	PHP Source File	8 KB
	enquiry_process.php	12/9/2021 11:22 PM	PHP Source File	2 KB
	index.php	12/9/2021 11:22 PM	PHP Source File	9 KB
	luxury.php	12/9/2021 11:22 PM	PHP Source File	8 KB
	script.js	12/9/2021 11:22 PM	JavaScript Source ...	10 KB
	standard.php	12/9/2021 11:22 PM	PHP Source File	8 KB
	suv.php	12/9/2021 11:22 PM	PHP Source File	8 KB

All the Files have been converted to PHP.

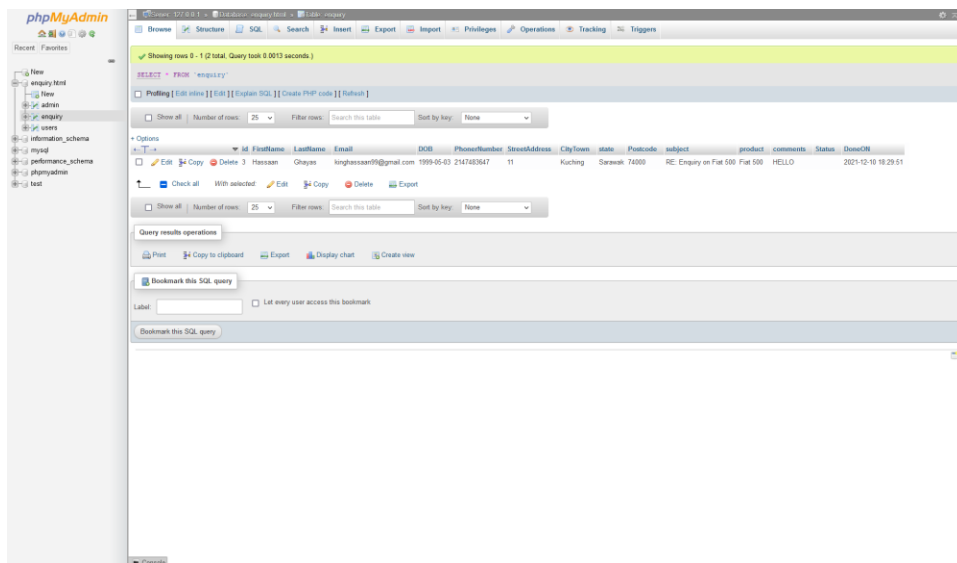
```

1 <div class="navbar navbar-fixed-top">
2   <div class="navbar-inner">
3     <div class="container">
4       <a class="btn btn-navbar" data-toggle="collapse" data-target=".navbar-inverse-collapse">
5         <i class="icon-reorder shaded"></i>
6       </a>
7       <a class="brand" href="index.html">
8         Release | Admin
9       </a>
10
11     <div class="nav-collapse collapse navbar-inverse-collapse">
12       <ul class="nav pull-right">
13         <li><a href="#">
14           Admin
15         </li>
16         <li class="nav-user dropdown">
17           <a href="#" class="dropdown-toggle" data-toggle="dropdown">
18             
19             <i class="caret"></i>
20           </a>
21           <ul class="dropdown-menu">
22             <li><a href="change-password.php">Change Password</li>
23             <li class="divider"></li>
24             <li><a href="logout.php">Logout</li>
25           </ul>
26         </li>
27       </ul>
28     </div>
29   </div>
30 </div>
31 </div>
32 </div>
33

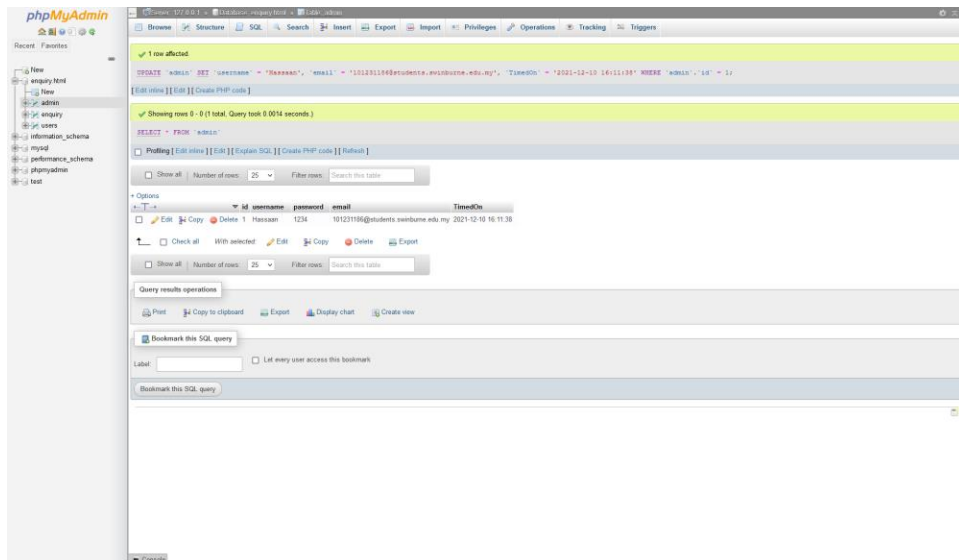
```

Created a separate file for header.php and footer.php.

## 1. MySQL database structure/schema




MySQL database can be accessed at enquiry.php



The data can be viewed on the Admin.php page as well.

## 2. End Product (Enhancement):

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Admin 

Enquiry Management

Change password

Add User


Logout

Approved Enquiries

#	FullName	LName	Email /Contact no	DOB	Phone	StreetAddress	City/Town	State	Postcode	Subject	product	comments	Action
---	----------	-------	-------------------	-----	-------	---------------	-----------	-------	----------	---------	---------	----------	--------

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Admin 



Enquiry Management

Change password

Add User

Logout

Pending enquiries

#	FullName	LName	Email /Contact no	DOB	Phone	StreetAddress	City/Town	State	Postcode	Subject	product	comments	Action
1	Hassan	Ghayis	kinghassan9@gmail.com	1999-05-03	2147483647	11	Kuching	Sarawak	74000	All Enquiry on Flat 500	Flat 500	HELLO	 

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Admin

Emergency Management

Change password

Add User

Logout

Create Accounts

Full Name

Enter Full Name

UserName

Enter User Name

E-mail Address

Enter E-mail Address

Password

Enter Password

Mobile Phone

Enter Mobile Number

Create

Manage Accounts

Show 10 entries

Search:

#	FULLNAME	USERNAME	E-MAIL	PASSWORD	PHONE	Action
1	Syed Muhammad Hassan	Hassan	hghassan99@gmail.com	1234	2147483647	2021-12-10 18:33:17

Showing 1 to 1 of 1 entries

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Admin

Emergency Management

Change password

Add User

Logout

Admin Change Password

Current Password

Enter your current Password

New Password

Enter your new current Password

Current Password

Enter your new Password again

Submit

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I have added a User Management System where all the users, their logins and passwords are stored. You can add new Users as well as update Information and Delete Users.

# END OF ASSIGNMENT

## 1,2 & 3.

## THANK YOU