**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**ACADEMIC SESSION AUGUST 2022;**

**WEB1201 WEB FUNDAMENTALS**

**DEADLINE: 25TH November 2022 (FRIDAY), 5:00 PM**

**STUDENT NAME:**  Tee Jin Sheng

**NRIC/PASSPORT NO:** 030115-06-0597

## INSTRUCTIONS TO CANDIDATES

- This final assessment will contribute 50% to your final grade.
- This is an individual assignment.

| IMPORTANT |
|---|
| The University requires students to adhere to submission deadlines for any form of assessment. Penalties are applied in relation to unauthorized late submission of work. Coursework submitted after the deadline will be subjected to the prevailing academic regulations. Please check your respective programme handbook. |

| **Academic Honesty Acknowledgement** |
|---|
| "I  Tee Jin Sheng ...............................................................................(Name) verify that this paper contains entirely our own work. I have not consulted with any outside person or materials other than what was specified (an interviewee, for example) in the assignment or the syllabus requirements. Further, I have not copied or inadvertently copied ideas, sentences, or paragraphs from another student.  We realize the penalties *(refer to the student handbook diploma and undergraduate programme)* for any kind of copying or collaboration on any assignment." <br><br> …………………………................................... (Student's Signature / Date) |

Name: Tee Jin Sheng   Student ID:19066000

## Introduction

The aims and objectives of this project are to promote products from DUC Battery Marketing Sdn Bhd as it is easier to get exposure using a website for users to discover about a company. Therefore, more exposure to users online means higher possibilities to increase more customers for DUC Battery Marketing Sdn Bhd. Customers can get to know more about this company and therefore, customers can choose to purchase products online as well. I am required to create a website with the few requirements mentioned below.

1. Website design and layout using HTML.
2. Use CSS for website styling and colours
3. The usability of the website
4. The functionality of the website
5. Promotional video about their products
6. A form that can be used to get contact from the seller
7. A sign-up function and a log-in function for users
8. Shopping cart for users to buy products from the seller
9. Validate contact us form so users input the correct type of data

**Layout Design**

Home Page HTML
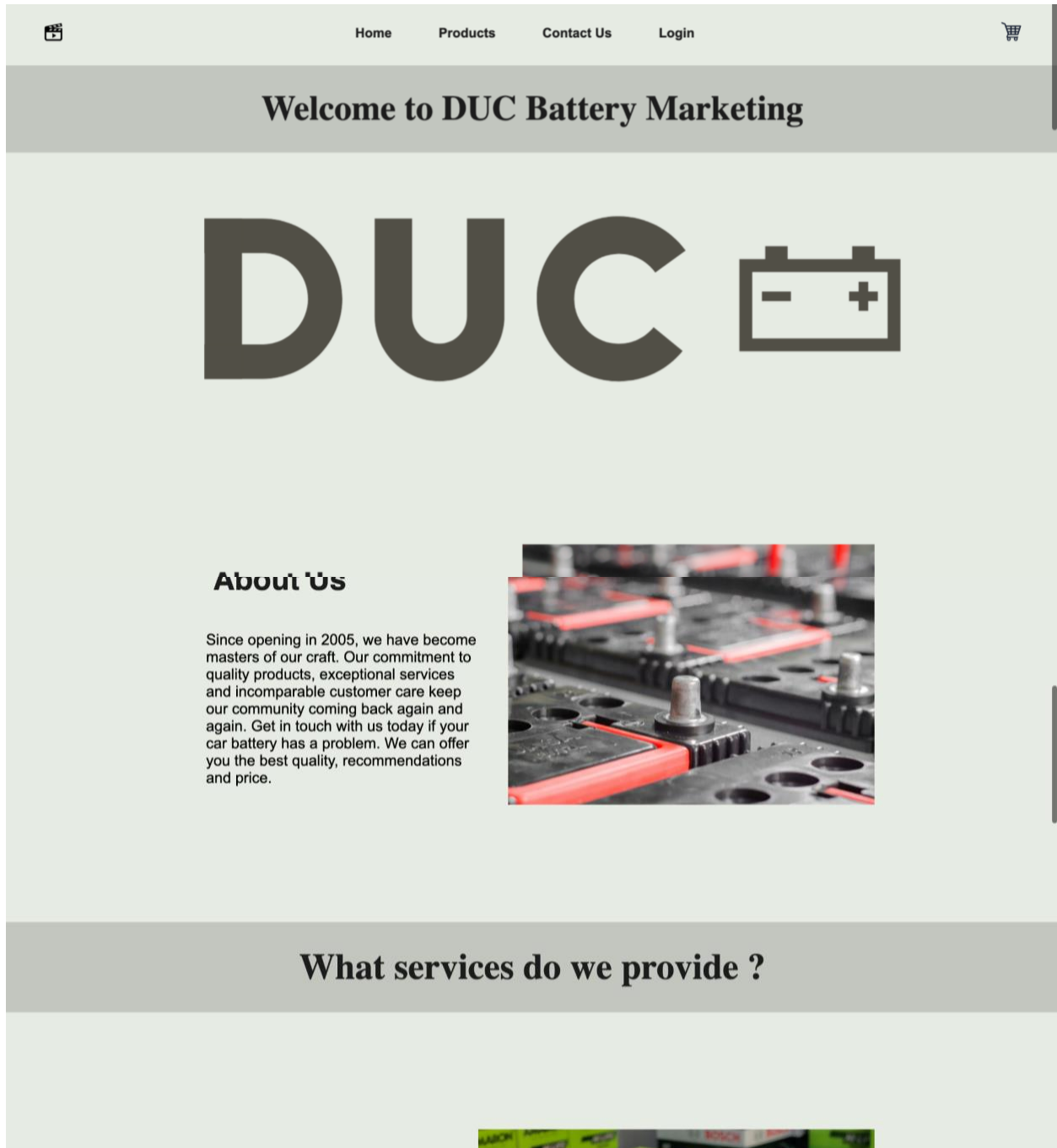
## How we work ?

Fill in the form in form section or
contact the phone number given in
form section.

1. Tell us your car model
2. Choose a battery brand
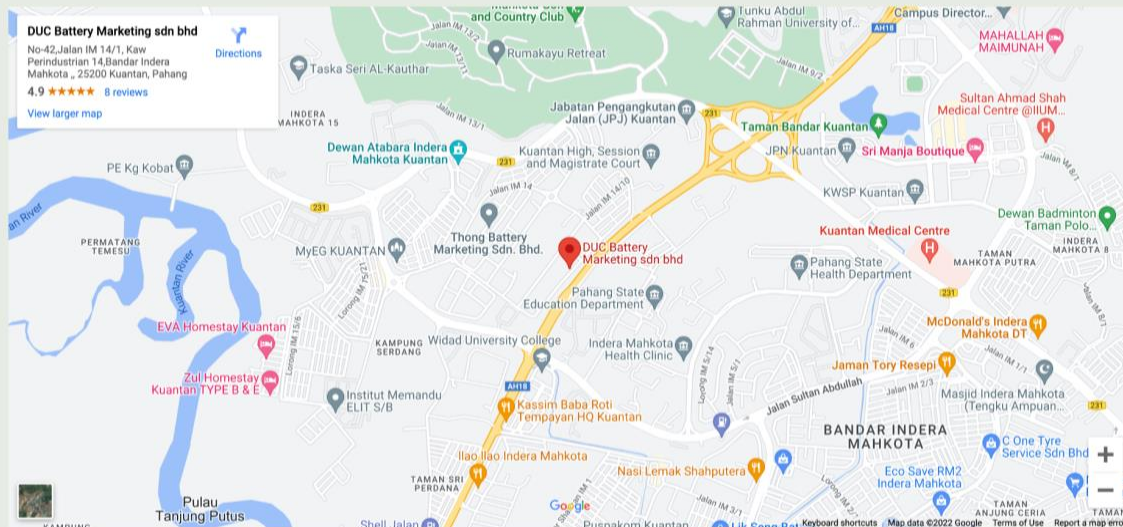3. Trade in your old battery
4. Make payment



## Service fees ?
## NOPE

For customers in KUANTAN area you
can contact the phone number in form
section. We will DELIVER the battery to
you, CHECK for you and INSTALL the
battery for you without any service fees.



# Where are we located ?



DUC Battery Marketing sdn bhd
No-42,Jalan IM 14/1, Kaw
Perindustrian 14,Bandar Indera
Mahkota ,, 25200 Kuantan, Pahang
4.9 ★★★★★ 8 reviews
View larger map

Product Page HTML

# Batteries

**Bosch N70Z**
RM400.00

**Bosch DIN55L**
RM300.00

**Bosch NS60L**
RM250.00

**Amaron NS40**
RM250.00

Contact Us Form HTML
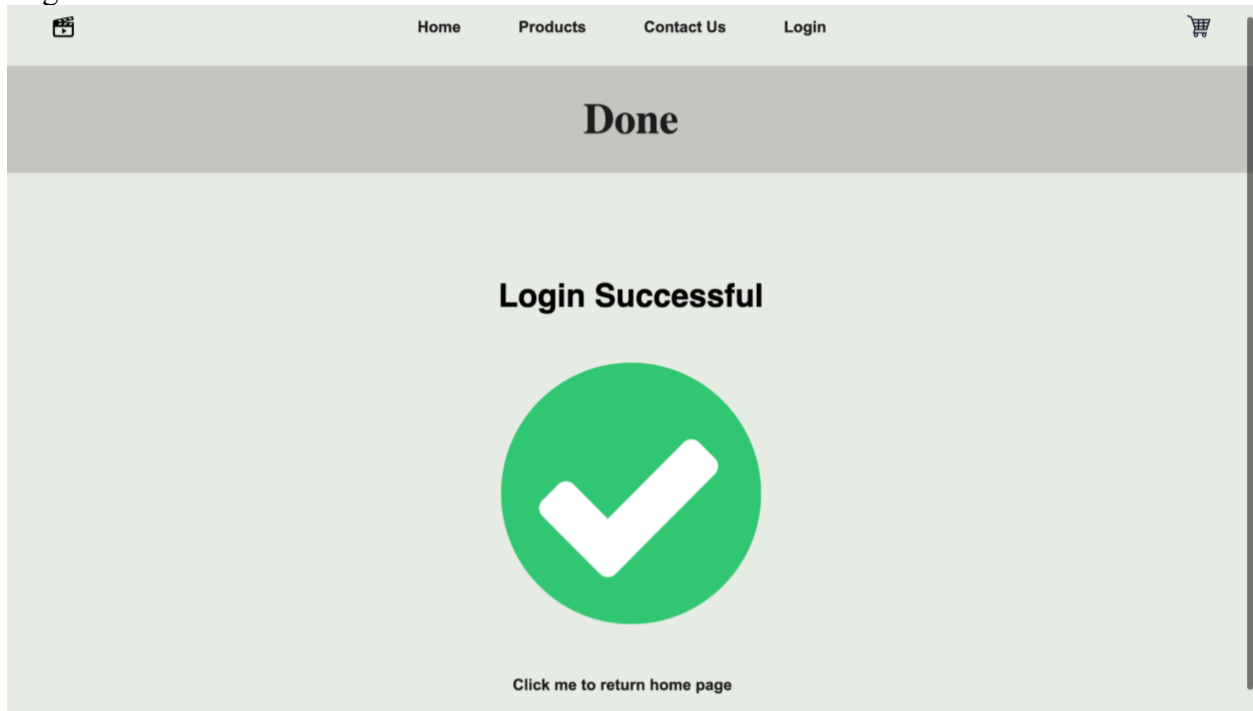
Log In Form HTML
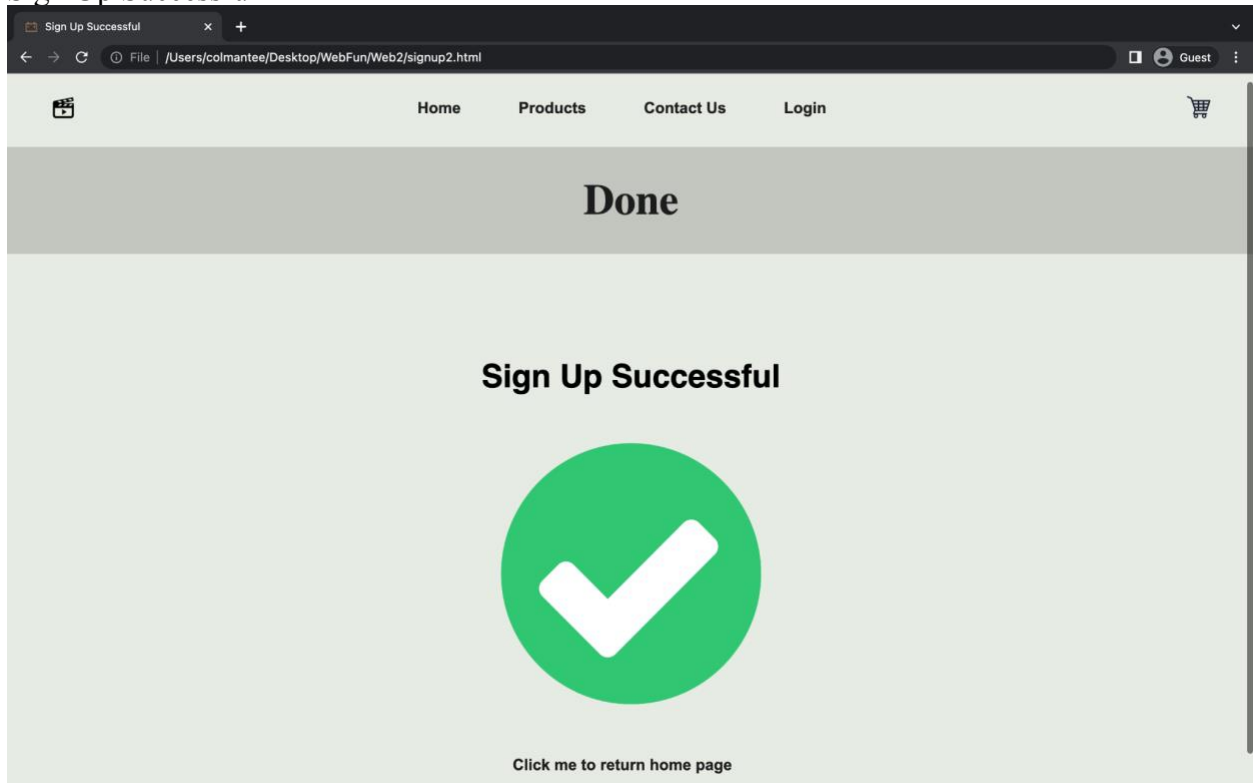
# Log In

Username

Email

Password

Password again

Submit

New user ?  Sign up

Click me to complete login

Log In Successful HTML



Sign Up Successful HTML

Sign Up Form HTML

# Create a new account

Username

Email

Password

Password again

Submit

Click me to complete sign up

Shopping Cart HTML

File | /Users/colmantee/Desktop/WebFun/Web2/cart.html

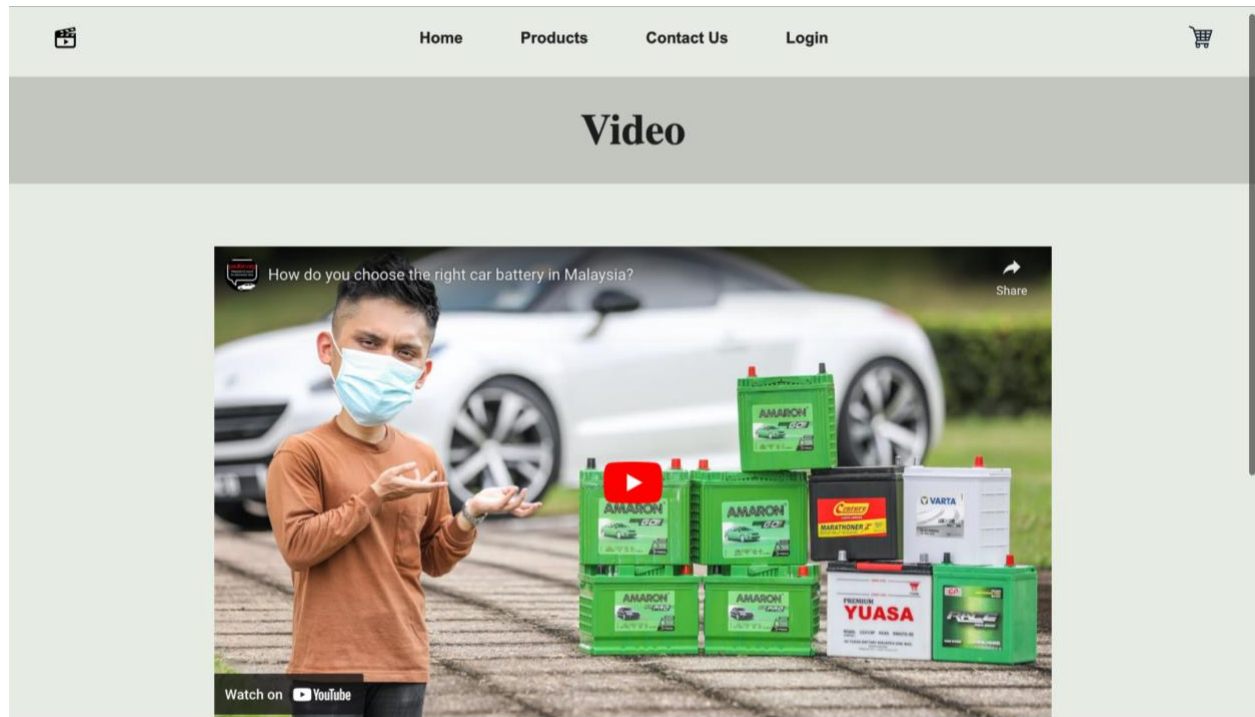Guest

Home        Products        Contact Us        Login

# Shopping Cart

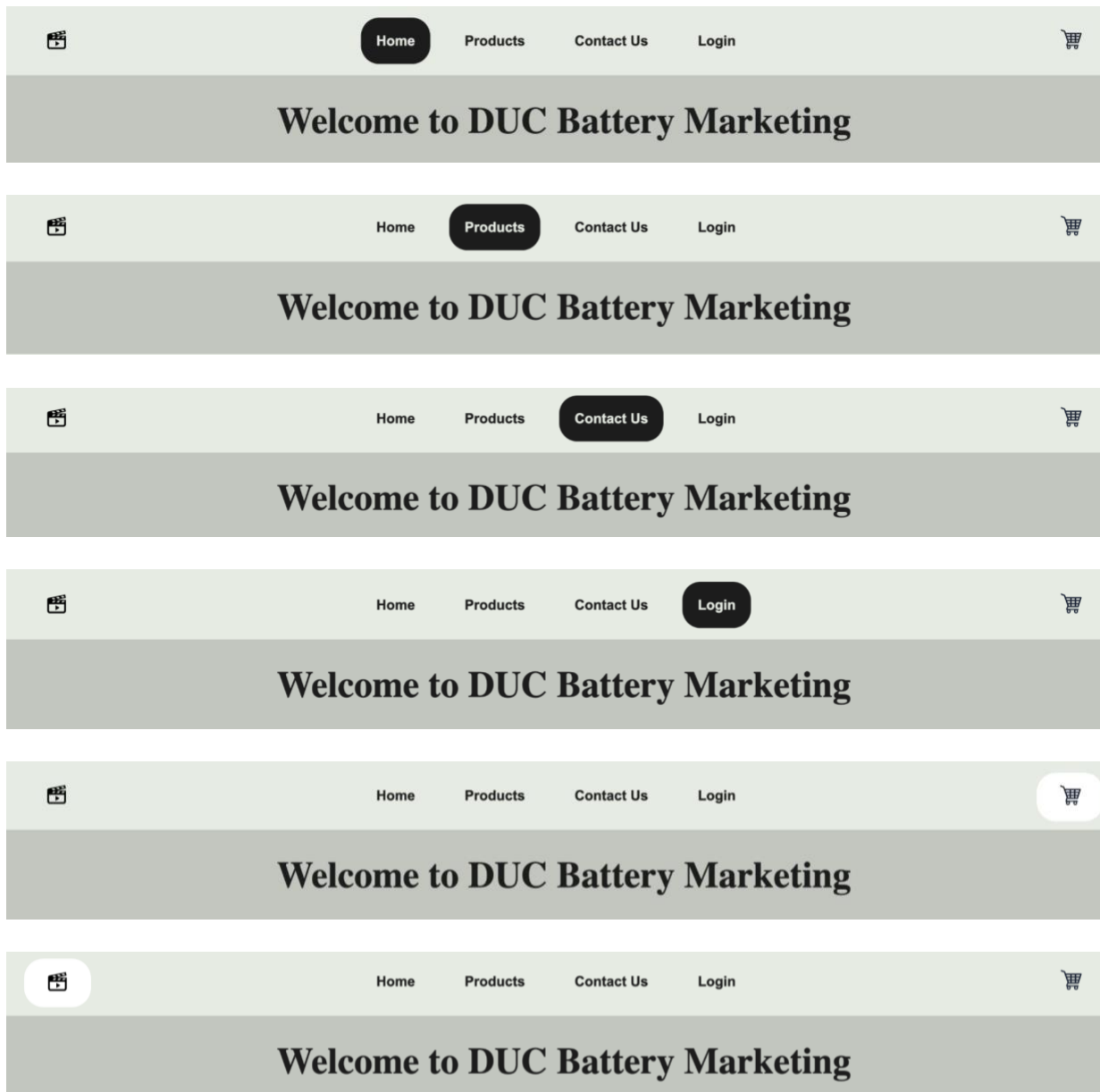| Product | Unit Price | Quantity | Total Price |
|---------|-----------|----------|-------------|
| Bosch NS70Z | RM 400.00 | 3 | RM 1200.00 |
| Amaron MF-DIN100L | RM 600.00 | 2 | RM 1200.00 |
| Amaron NS40 | RM 250.00 | 2 | RM 500.00 |

Video Page HTML



There is the same icon I created and implemented for all HTML
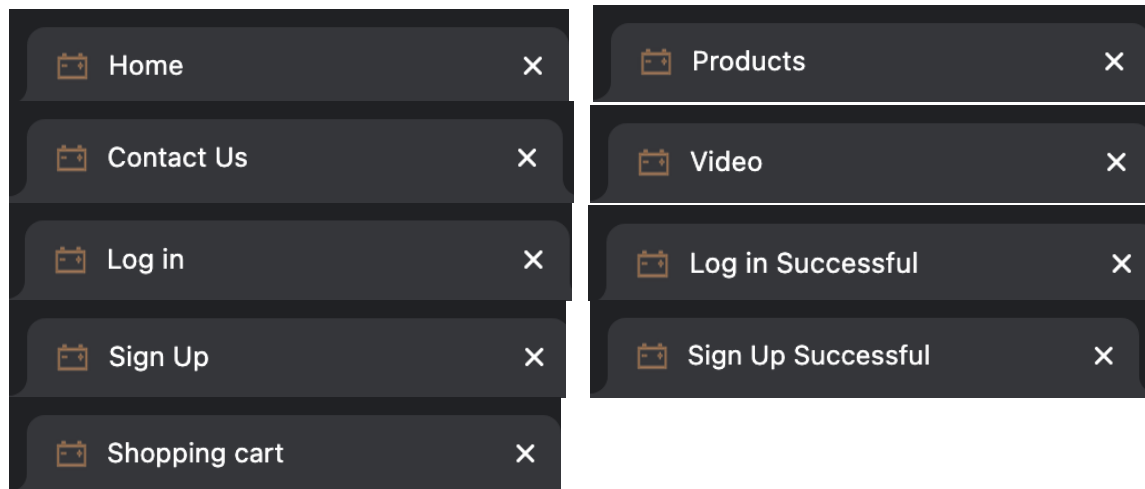
## Implementation and Result

When users hover over all the buttons on the **navigation bar**, there are animations for hovering each button

When users hover over the product, there will be an outline around the product, and the product is scaled 0.9x which is an animation for users to hover. The fonts for the specified product that is being hovered will turn green and it applied to all of the products.

Before the user hovers:



When the user is hovering:

I used the label type="radio" therefore users can select their title by clicking not just the circle box at the side but it works by clicking the word (Mr) or (Mrs) as well.



When I press submit without choosing none of the titles
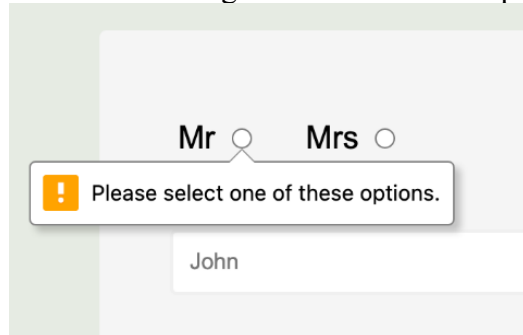This error message will be shown as I put required for that field
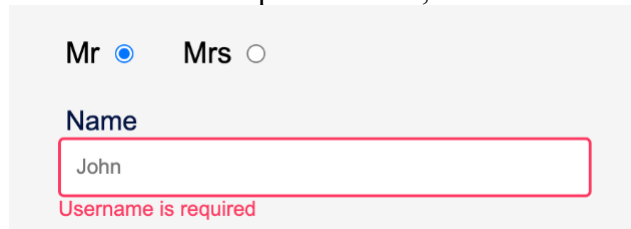


I did form validation for the contact us form using javascript using the file (check2.js)
Therefore, it is required for users to input and users must input the correct type of data for name, email, phone number, and car model.

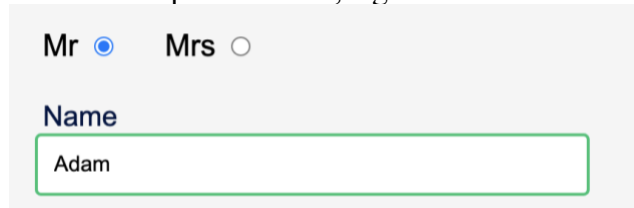 If the user didn't input for name, a red border would be shown



If the user input for name, a green border will be shown

If the user didn't input any data for email

**Email**

john123@gmail.com

Email is required

If the user didn't input the correct type for email

**Email**

adam

Provide a valid email address

If the user input the correct type for email

**Email**

adam@sunway.edu.my

If the user didn't input for phone number

**Phone**

+60123456789

Phone Number is required

If the user input for phone number

**Phone**

+60123334455

If the user didn't input for car model
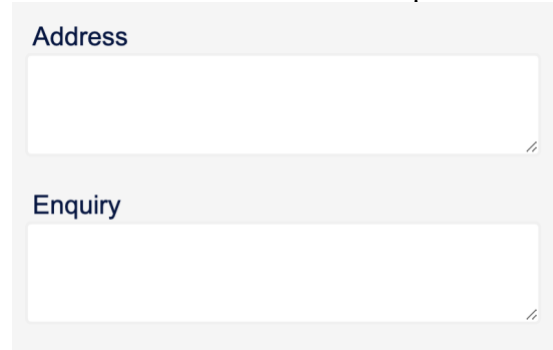
**Car model**

BMW G20 (2020)

Car model is required

If the user input for car model

**Car model**

Honda City (2019)

Address and Enquiry are not required for users to input, therefore, no error messages will be shown. Before and after user input it will look the same
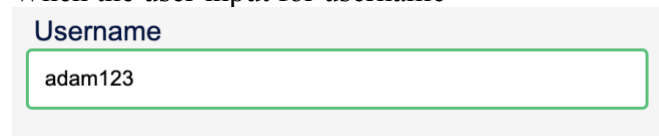
**Address**

**Enquiry**

Log In HTML & Sign Up HTML are exactly the same
When the user didn't input for username
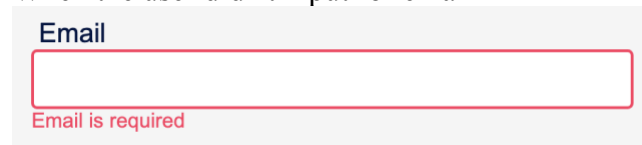
**Username**

Username is required

When the user input for username
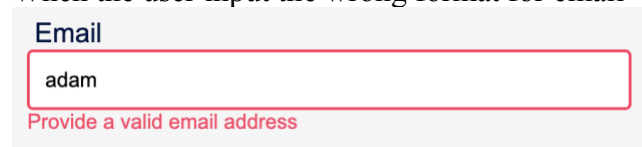
**Username**

adam123
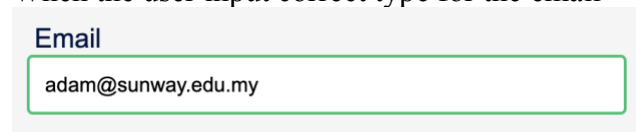
When the user didn't input for email

**Email**

Email is required

When the user input the wrong format for email

**Email**

adam

Provide a valid email address

When the user input correct type for the email

**Email**

adam@sunway.edu.my

When the user didn't input for password

Password

Password is required

When the user input password for less than 8 characters

Password

••••

Password must be at least 8 character.

When the user input 8 characters or more for password

Password

•••••••••

When the user didn't input for check password

Password again

Please confirm your password

When the user didn't input the same password

Password again

•••

Passwords doesn't match

When the user input the same password for (password) and (password again)

Password

•••••••••

Password again

•••••••••

```
const validateInputs = () => {
    const usernameValue = username.value.trim();
    const emailValue = email.value.trim();
    const passwordValue = password.value.trim();
    const password2Value = password2.value.trim();

    if(usernameValue === '') {
        setError(username, 'Username is required');
    } else {
        setSuccess(username);
    }

    if(emailValue === '') {
        setError(email, 'Email is required');
    } else if (!isValidEmail(emailValue)) {
        setError(email, 'Provide a valid email address');
    } else {
        setSuccess(email);
    }

    if(passwordValue === '') {
        setError(password, 'Password is required');
    } else if (passwordValue.length < 8 ) {
        setError(password, 'Password must be at least 8 character.')
    } else {
        setSuccess(password);
    }

    if(password2Value === '') {
        setError(password2, 'Please confirm your password');
    } else if (password2Value !== passwordValue) {
        setError(password2, "Passwords doesn't match");
    } else {
        setSuccess(password2);
    }
};
```
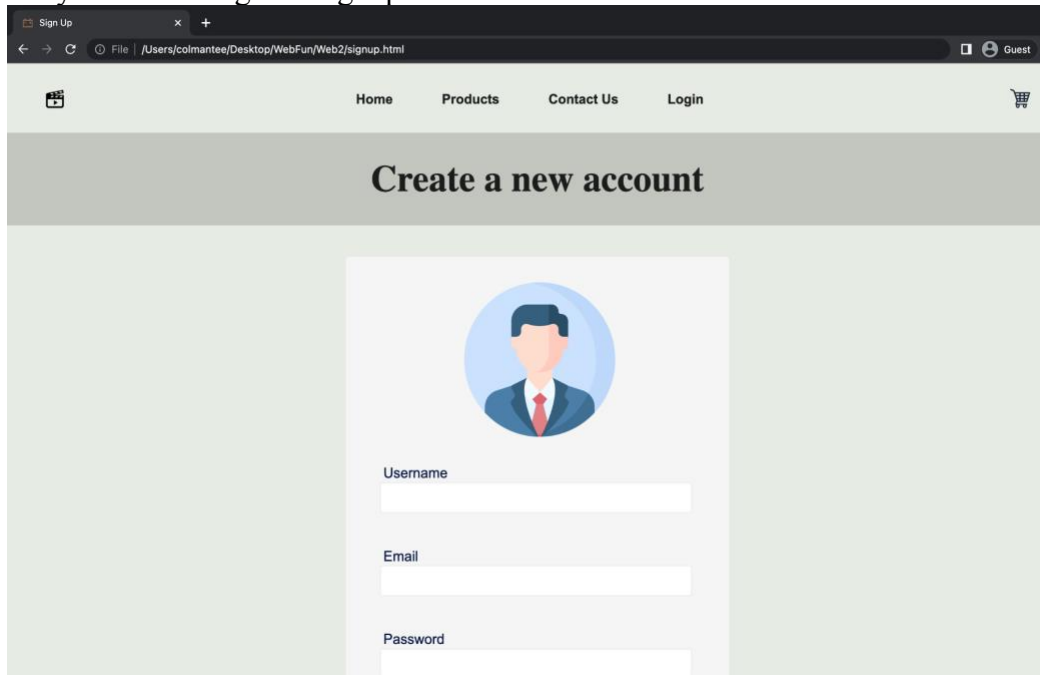
This is the code in the javascript file to validate the login form

Log In HTML
For new user, he/she can simply click the "Sign up" button to create a new account

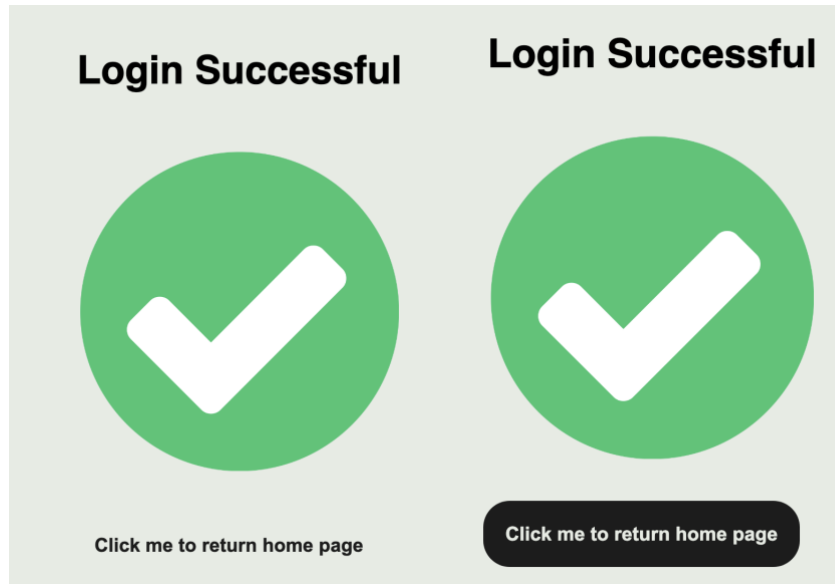New user ?   **Sign up**

They will be brought to signup HTML

Else just type their account info to log in and click this


**Click me to complete login**

And log in successful page will be shown
When the user hovers over the "Click me to return home page"
There will be a box around it



When the user click it then the user will be returned to home page

SignUp HTML
Signup page looks exactly like the login page except for this part
I validated the form using javascript as well
But when the user done input then the user can click this
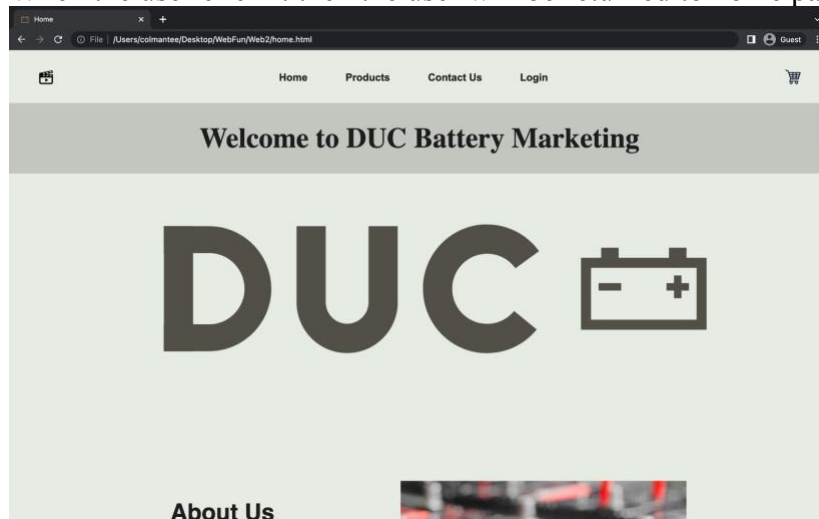

Click me to complete sign up

And signup successful page will be shown
When the user hovers over the "Click me to return home page"
There will be a box around it



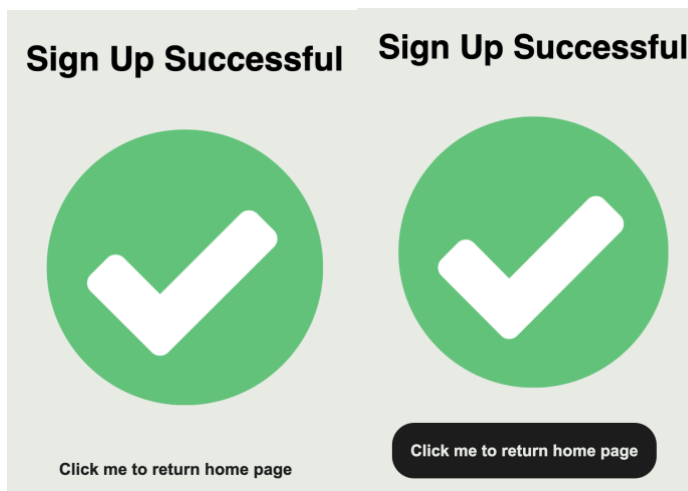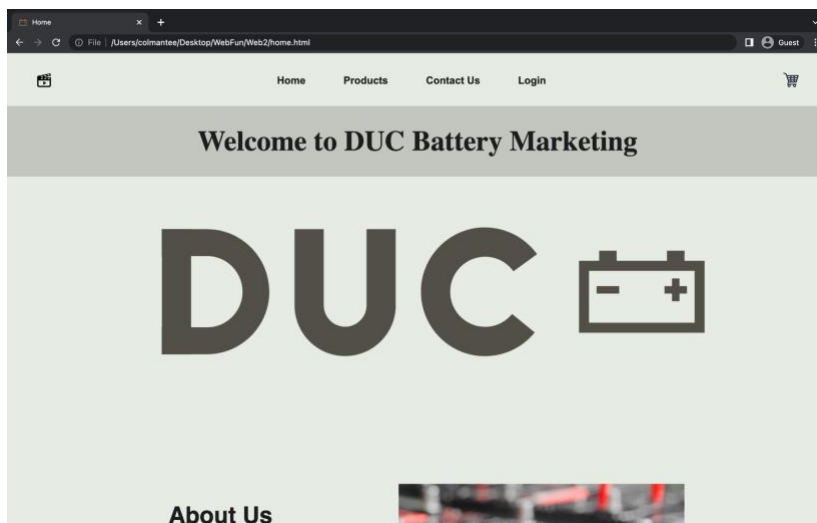When the user click it then the user will be returned to home page

## References

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