**Nottingham Trent University**

**Department of Computer Science**

**Year 2 -Term 1**

**SOFT20181- Internet Applications Programming**

**Student ID – T0279186**

**SOFT20181**

**Internet Applications Programming**

**Supporting Documentations**

**T0279186**

**Nyein Ei Khaing**

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**Department of Computer Science**

**Year 2 -Term 1**

**SOFT20181- Internet Applications Programming**

**Documentation**

I hereby declare that I am the sole author of this report and that all third-party items including code have been adequately acknowledge and referenced.

**Nyein**

Signature

**Nyein Ei Khaing**

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Documentation

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**Documentation**

Link to Site on the UDON sever – I could not find my student ID in file explorer on university computer so I couldn’t submit on UDON server. However, I will submit it on drop box for the zip file.

**1.0 Introduction**

This is the supporting documentation for the ecommerce application created for SOFT20181 Internet Application Programming

Development of technology has always been shown to improve the marketing and economic environment having the idea of creating communication between them. Since I had the thought of selling the cosmetic products from one country to another, an idea of creating cosmetic website will help me as a way of promoting products as well as showing capabilities for my assignment.

The website consists of five pages which are home, makeup, skincare, services, and registration pages by using HTML5, CSS and JavaScript/J Query . Generally, all of our webpages have been designed for desktop version and media responsive design for mobile versions.

* 1. **Success Criteria**

The home page consists of section element which describes about the advertisement for one of our skincare products to the audience.

The website is successfully created with navigation bar to connect with the five pages of the website. Each of product pages include the video of corresponding product.

The registration page is met the criteria of appropriate form controls.

Overall, our webpage is created with the necessary requirements for the users’ satisfaction.

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**2.0 Design Process**

**2.1 Initial Research**

Dynamic development of using worldwide web has shown a major factor of business purposes to inform the customers about the products. As the website is created for the purpose of promoting cosmetic products, our products are safety to use for any age groups to meet the customers’ behaviour and desires. Each of our webpages is made easy to use for the audience since the navigation bar is designed to attach all our webpages.

The menu scroll button is attached to all web pages for the responsive mobile approach as well as the videos for each of product’s page let the customers know about the quality of our products.

**2.2 Website Structure**

**Site Map**

Victoria cosmetic

Register

Skincare

Services

Makeup

Home

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**Wire Frame**

Copy right

Home Makeup Skincare Services Register

Name

Contact Information

Explore

Image

Product Description

Logo

**Mood Board**

**Graphical user interface, application, website

Description automatically generated**

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**Home Page**

Home Page is designed with mainly navigation bar , Logo image for the website and Product specification with the button Explore using <section element>, footer elements. Navigation toggles scroll button is created with JavaScript using **document. querySelector (‘. #mobile\_menu’)** for mobile design purpose for user’s flexibility.

**Makeup and Skincare Pages**

Makeup and Skincare Pages is made with division class containers with headers <h1, h2> and paragraph<p> , videos using src tag , animated images using transition properties in CSS and Java animated thumbnails properties using

**setInterval() and clearInterval()** methods.

Examples as below

function enlargesk2Image(){

    increasesk2Width++;

    sk2.style.width = increasesk2Width + 'px';

}

sk2.addEventListener('click', ()=>{

    timer = setInterval(enlargesk2Image, 6);

});

function enlargesk2Image (){

    increasesk2Width++;

    sk2.style.width = increasesk2Width + 'px';

    if (increasesk2Width==250){

    clearInterval(timer);

    increasesk2Width = originalsk2Width;

    }

};

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**Services Page**

Our services page mainly focuses on Events, Beauty Concepts, Makeup Services and Training. <div class = ‘services\_card’ > Function wrapped around all the services cards which include images and their descriptions.

Media responsive properties for four services cards as desktop version is shown below:

@media screen and (max-width:950px){

    .wrapper{

        grid-template-columns:1fr 1fr;

    }

}

Media responsive properties for one service card as mobile version is shown below:

@media screen and (max-width: 748px){

    .wrapper{

       grid-template-columns: 1fr;

    }

}

**Registration Page**

Registration page is designed for mainly the form properties with Name, Email, Password and Submit Button.

Input type ‘Name’ Class is designed to enter only letter spaces using

<input type="email" name="email" id="email" placeholder="abc@gmail.com" pattern="^\w+[\w-\.]\*\@\w+((-\w+)|(\w\*))\.[a-z]{2,3}$" />

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Input type ‘Email’ Class is designed not to possible to submit a malformed email address using

<input type="email" name="email" id="email" placeholder="abc@gmail.com" pattern="^\w+[\w-\.]\*\@\w+((-\w+)|(\w\*))\.[a-z]{2,3}$" />

**3.0 Implementation**

**3.1Features Developed, Implementation Process and Challenges Encountered**

Our website is conducted systematically and it was made with designing, reviewing the website , developing using web languages such as HTML, CSS and JavaScript and testing the website on the test server . There has been always a challenge to use JavaScript when creating animated images, changing background colour and font- size using local storage properties (API). However, using JavaScript benefits our website to make looking better over the dynamic content.

**4.0 Summary and Conclusion**

For the purpose of created high-quality website design, generating relevant contents and developing the web pages was crucial over the limited time. However, the outcomes of the webpage is met for the minimum requirements for the user’s satisfaction including header, body part with shopping carts and animation and footer part which included with name, contact information and copyright.

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**Sources and references**

**Videos:**

<https://www.youtube.com/watch?v=mPbmA42IgZA>

<https://youtu.be/bEKJ2xSmpAw>

**Social Media icons:**

<https://fontawesome.com/>

**Supported sources**

<https://www.w3schools.com/>

<https://youtu.be/W6NZfCO5SIk>

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