

# FPT ACADEMY INTERNATIONAL FPT – APTECH COMPUTER EDUCATION

## 32 SMILES EPROJECT-SEMESTER 1

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Start		01st August 2020				
Duration	date	01 - August 2020				
Duration	End	01st September 2020				
	date	O Coptombol 2020				

This is to certify that						
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has successfully designed & developed						
eProject: 32 SMILES						
Submitted by:						
Nguyen Thanh Trung						
Date of issue: August 11 <sup>th</sup> 2020						
Authorized Signature:						

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#### **ACKNOWLEDGEMENT**

First, we would like to express our appreciation to our teacher, Mr. Nguyen Ngo Phuoc, FPT-Aptech Department, and FPT Academy International, for giving us this opportunity to do the first project of this course and providing invaluable guidance throughout this project.

Once again, a special gratitude to our teacher, for his helpful contributions and suggestions. Beside that, his guidance and encouragement helped us to complete our project in the best way.

Next, we would like to thank FPT Academy International for giving us the great opportunity to practice what we have learnt into reality. It is also a chance for us to increase our experience and confidence when we have to face an interview as we have worked on a project.

Finally, we are so thankful to our teammates for their support and hard work. Our deepest thanks and appreciations also go to our friends, who helped us out with their abilities to complete this project directly or indirectly.

#### **SYNOPSIS**

32 Smiles Website is a website created to provide information, courses and news related to dental health care. Beside that, it also helps many people increase the awareness about dental problems and how to improve their oral health.

When the customers log on to 32 Smiles Website, they can find many courses about this field. Furthermore, this Website has an expert team who are ready to answer questions for the customers about the problems they are in. And the patients can know their therapeutic process through health treatment.

In addition, this Website also provides the services and products that are in terms of dental health.

If they are not satisfied with their experiences at our website, they can give us the feedback in the Contact Us section at the end of this website.

#### PROBLEM STATEMENT

Dental or oral health is concerned with your teeth, gums and mouth. The goal is to prevent complications such as tooth decay (cavities) and gum disease and to maintain the overall health of your mouth.

A healthy mouth, free of infections, injuries and other problems with teeth and gums, is important in maintaining your overall health.

Although a different set of medical professionals focuses on dental health, they are still part of your regular health care team.

Disease and other conditions can affect your dental health and dental problems can affect other parts of your body. Failing to properly care for your oral health may lead to other health problems.

You can help prevent or minimize many oral health problems by regular preventive steps (brushing, flossing and so on) and regular visits to dental health professionals.

Hence to increase awareness and provide all information about dental care, we are looking for developing a website "32smiles.com" based on the requirements mentioned below.

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 Homepage should display the images that related and some latest information/researches in the field.
- 2. In addition, there should be a classified menu with related sub menus.
- 3. Sample list of pages/menu options are as described below:
  - Professional education: This principally includes the education assistance for students and practitioners. This can have further categories such as finding related courses, help documents, faculty resources, student resources, case studies etc,

. . .

- 2. Patient education: Including general and necessary information for the patients suffering from any of the oral/dental issues.
- 3. Research: This should have the latest research in this field. Necessary documents, videos etc (media library) is expected here.
- 4. Products: As the name indicates, this should have all the related products. Here sub categories can be done based on numerous types of products like tooth pastes, brushes, special products for kids, electrical accessories etc.
- 4. There should be site map.
- 5. Contact us page: contact us page here should list various dental expert's contact details for further treatment / assistance/ guidance. Their location should be displayed by using GeoLocation API (eg: Google Maps).
- 6. Overall website should be simple for people to use.

### HARDWARE/SOFTWARE REQUIREMENTS

#### ❖ For webmaster

#### **Hardware**

- Intel Pentium 4 processor or higher
- 1 Gigabytes of RAM or higher

#### Software

- Windows 7 OS or higher
- Sublime Text 3, Visual Studio Code
- Bootstrap 4, jQuery, AngularJS, AOS, SweetAleart 2
- HTML5 and Javascript supporting web browsers such as IE, Chrome, Firefox, Opera...

#### ❖ For web users

#### Hardware

- Intel Pentium 4 processor or higher
- 512 Megabytes of RAM or higher

#### **Software**

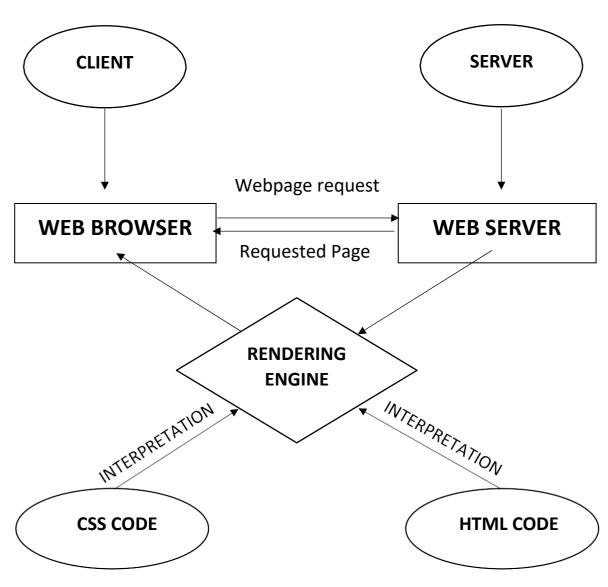
- Windows XP OS or higher
- HTML5 and Javascript supporting web browsers such as IE, Chrome, Firefox,
   Opera... (Website best running on Chrome browser).

### SCOPE OF THE WORK (IN BRIEF)

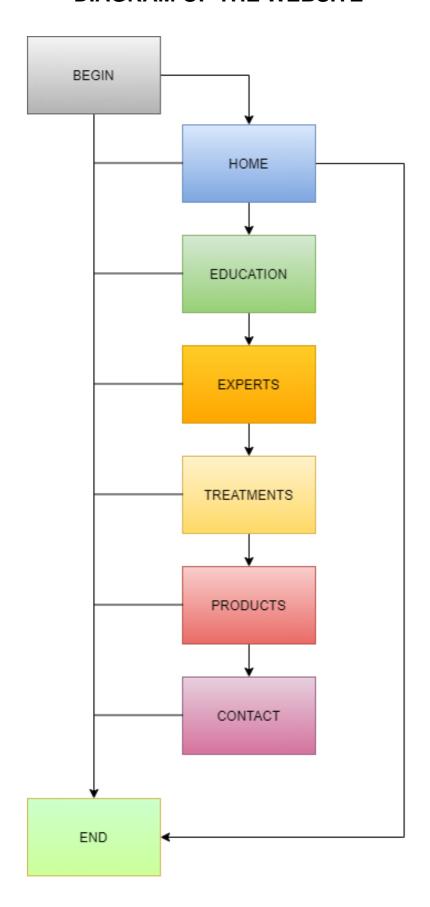
Having carefully reviewed all requirements, our team agreed that 32 SMILE Project should have the following pages:

- 1. HOME: Display some related images and the latest News in the Dental field. Provides brief information about our information dental experts and also our services. There will be form registration for user's inconvenience.
- 2. EDUCATION: This mainly provides news/articles/research which purpose is mainly to provide dental education/useful information for students or any practitioners.
- 3. TREATMENTS: provide useful and general information for everybody about how to keep healthy teeth.
- 4. EXPERTS: This represents 32 SMILE line-up of doctors who are experts in the dental field.
- 5. PRODUCTS: This includes two main sub-menus: Equipment and Services, which provide related products and other services currently being offered.
- 6. CONTACT US: This provides user contact details in case of further treatment/assistance/guidance and also our development team.

#### ARCHITECTURE AND DESIGN OF THE SYSTEM



### **DIAGRAM OF THE WEBSITE**

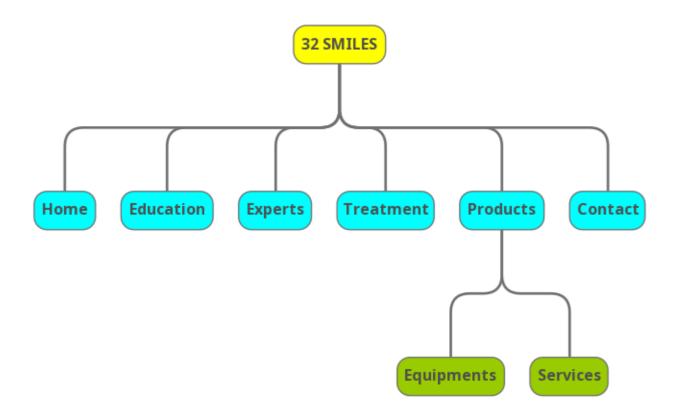


### **TASK SHEET REVIEW 1**

Project Ref. No.:  eP/Advertisement Portal Management System/01		Project Title:	Activity Plan Prepared	Date of Preparation of Activity Plan:			
Sr. No.	Task		Ву:	Actual Start Date	Actual Days	Team Mate Names	Status
1	Problem Statement			03/08/2020	1	Nhung	Completed
2	Analysis of 32 Smiles requirements about the website			03/08/2020	1	Nhung	Completed
3	The scope of the work (in brief)	32 Smiles	Trung	03/08/2020	1	Trung	Completed
4	Architecture and design of the system			03/08/2020	1	Nhung	Completed
5	Diagram of the website			03/08/2020	1	Trung	Completed
6	Task Sheet			03/08/2020	1	Trung	Completed

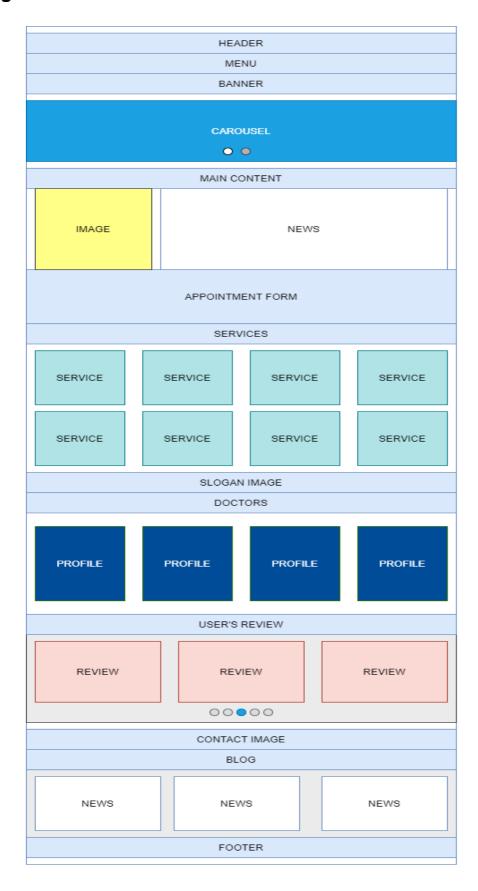
Date:	
Signature of Instructor:	Signature of Team Leader:
Mr. Nguyen Ngo Phuoc	Nguyen Thanh Trung

### **SITE MAP**



### **MOCK OF THE WEBSITE**

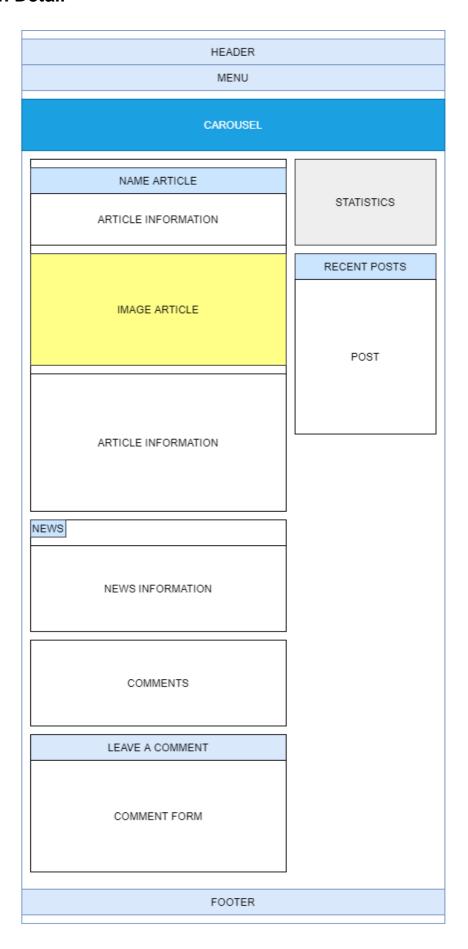
### 1. Homepage



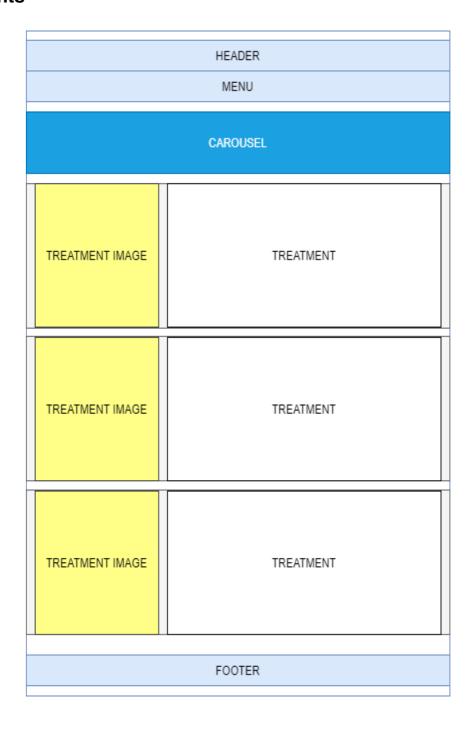
### 2. Education



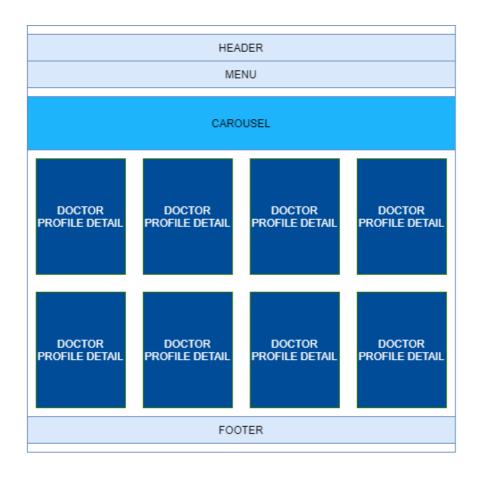
### 3. Education Detail



### 4. Treatments

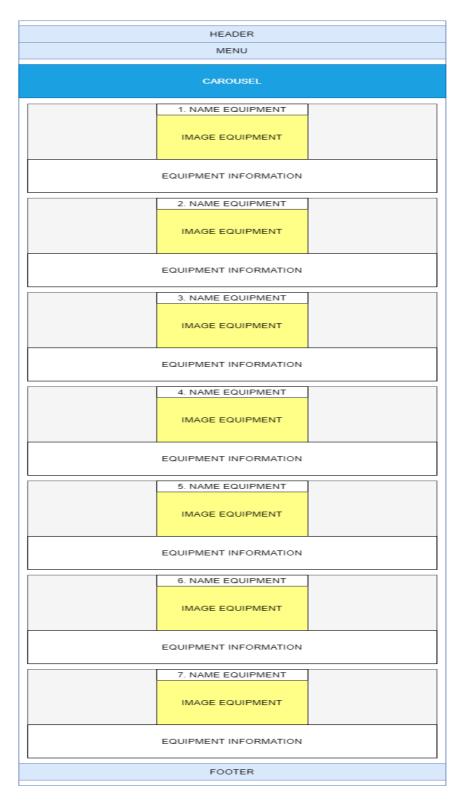


### 5. Experts

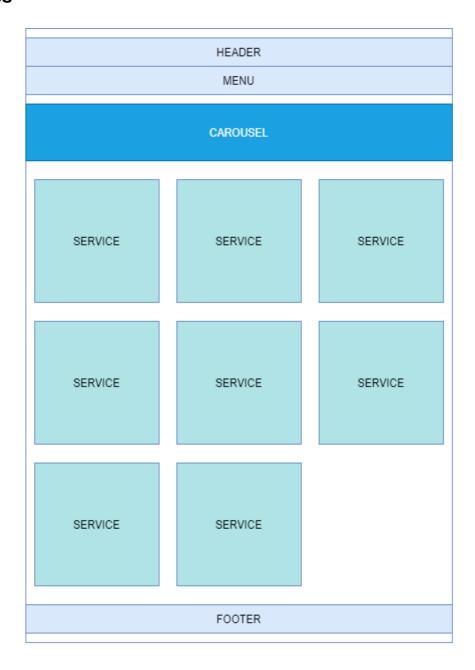


### 6. Products

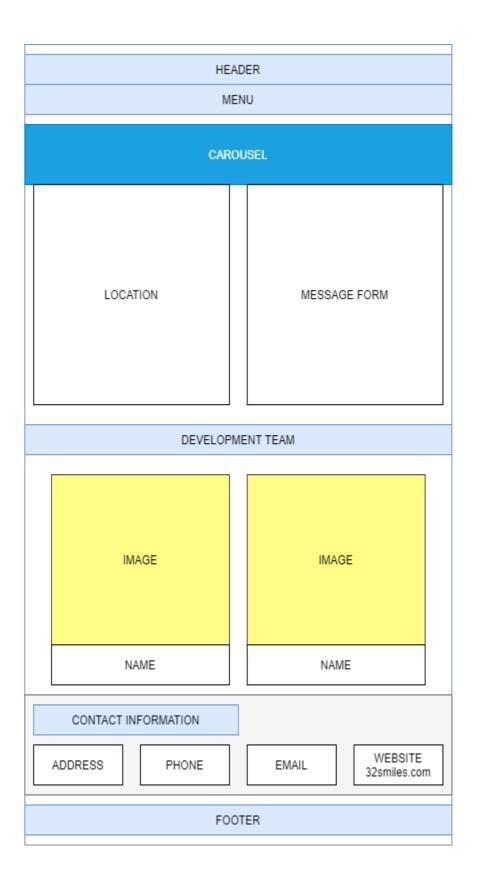
### 6.1 Equipments



### **6.2 Services**



### 7. Contact



### **TASK SHEET REVIEW 2**

Project Ref. No.:  eP/Advertisement Portal Management System/01		Project Title:	Activity Plan Prepared	Date of Preparation of Activity Plan:				
Sr. No.	Task		Ву:	Actual Start Date	Actual Days	Team Mate Names	Status	
1	Site Map			12/8/2020	1	Trung	Completed	
2	Mock of the website	32 Smiles	Trung	12/8/2020	1	Nhung	Completed	
3	Task Sheet	1		12/8/2020	1	Nhung	Completed	

Date:	
Signature of Instructor:	Signature of Team Leader:
Mr. Nguyen Ngo Phuoc	Nguyen Thanh Trung

#### WEBSITE DESCRIPTION

### 1. Home page

### a. Description:

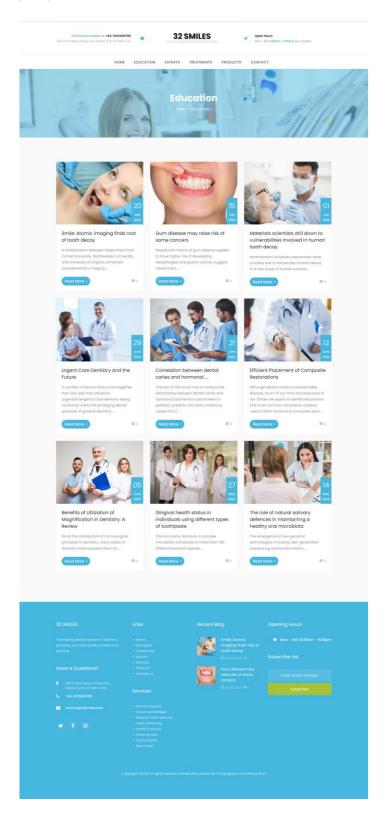
First, it provides information about contact phone number, address, page name and active time. Next, displaying the latest news related to dental health, services and some doctors that are professional in this field. It also has blog for user can understand clearly about dental problems. The users will have an appointment with this clinic though appointment form. And moreover, this page provides the patient's assessment about services and the service quality of doctors. Footer displays name page, questions, links, services, recent blog, active time and subscribe form.



### 2. Education

### a. Description:

Displaying some highlight research articles in dentistry.



### 3. Education detail

### a. Description:

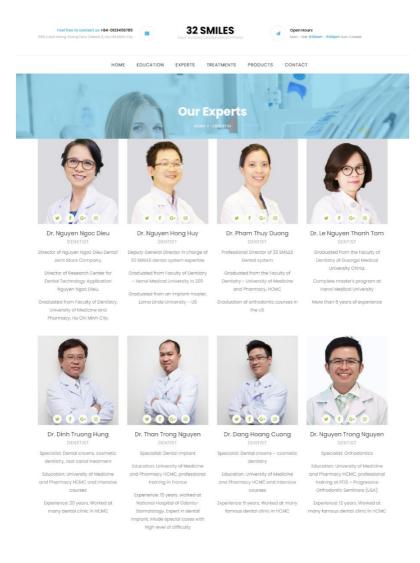
Displaying information about the research, picture of research, statistics and some most recent posts. Besides that, this page has some news such as information of some experts. Users can see comments and a post comment form.



### 4. Experts

### a. Description:

Display pictures of doctors, how to contact with them and their detail profile.





### 5.Treatments

### a. Description:

Display some useful information how to keep healthy teeth.

<u>b. Screenshot:</u>



### 6. Products

### 6.1 Equipment:

### a. Description:

Display name, picture and information related to equipment.

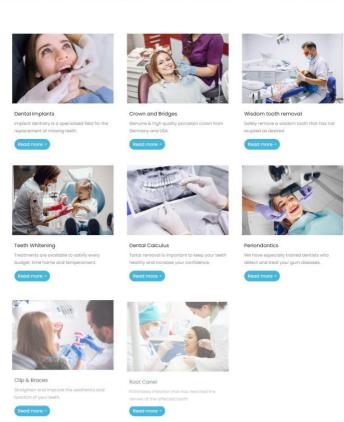


### **6.2 Services**

### a. Description:

Display name, picture and information of the common services nowadays.



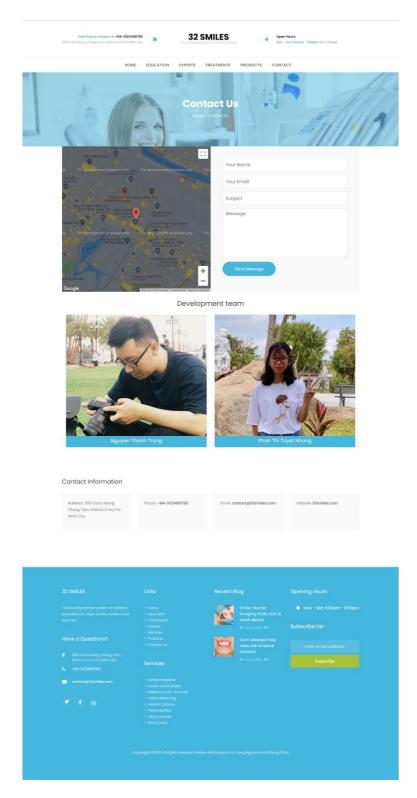




### 7. Contact

### a. Description:

Display our location, send message form, our development team and contact information like address, phone number, email or website.



#### JAVASCRIPT DESCRIPTION

This chapter will provide information about JavaScript function integrated in the website

### 1. Form validation for Appointment Registration on Homepage a. Description:

Validate when user submit form, making sure they have fully entered: First name, Last name and Date while Service and Time is select by default.

```
lidate user first Name
titon validationfirstName(event, name) {
t userNameValue = name.value;
(userNameValue = "") {
   alert("Please enter your First Name!");
   name.focus();
   event.preventDefault();
   lidate user tast Name
tion validation(event, name) {
t lastName = name.value;
(lastName = "") {
    daet("Please enter your Last Name!");
    name.focus();
    event.preventDefault();
    return false;
                                                            (
dt.getDay() === 6 || dt.getDay() === 0) {
    ert("Please choose from Monday to Friday only");
    ite.focus();
    ent.preventDefault();
                    relc functions
on validationFooterEmail(event, email) {
    emailValue = email.value;
    pattern = /^[a-z][a-z0-9_.]{5,32}@[a-z0-9]{2,}(\.[a-z0-9]{2,4})(1,2)$/;
    emailValue ==- "") {
        rent(*Please enter your email!");
        wil.focus();
        rent.presentDefault();
        rent.presentDefa
                          ert("Please enter the correct email format. Example: abc@yahoo.com");
mil.focus();
ent.preventDefault();
turn false;
```

### 2. Form validation for email at every Footer of any page

#### a. Description:

Validate when user input their email to subscribe news, ... from 32 SMILES <u>b. Screenshot:</u>

```
function validationFooterEmail(event, email) {
  let emailValue = email.value;
  let pattern = /^[a-z][a-z0-9_.]{5,32}@[a-z0-9]{2,}(\.[a-z0-9]{2,4}){1,2}$/;
  if (emailValue === "") {
    alert("Please enter your email!");
    email.focus();
    event.preventDefault();
    return false;
  } else if (emailValue.match(pattern)) {
    return true;
    alert("Please enter the correct email format. Example: abc@yahoo.com");
    email.focus();
    event.preventDefault();
    return false;
var footerEmail = document.getElementById("footerEmail");
let footerBtn = document.getElementById("footerSubmit");
footerBtn.onclick = function (event) {
  if (validationFooterEmail(event, footerEmail)) {
    alert("Thank you for subscribing us!");
```

### 3. Form validation for comment section at each post in "EDUCATION"

#### a. Description:

Validate when user wants to submit their comment.

```
function validationFooterEmail(event, email) {
  let emailValue = email.value;
 let pattern = /^[a-z][a-z0-9_.]{5,32}@[a-z0-9]{2,}(\.[a-z0-9]{2,4}){1,2}$/; if (emailValue === "") {
   alert("Please enter your email!");
    event.preventDefault();
    return false;
  } else if (emailValue.match(pattern)) {
    alert("Please enter the correct email format. Example: abc@yahoo.com");
    email.focus();
function validationBlogFullName(event, name) {
 let userNameValue = name.value;
if (userNameValue === "") {
   alert("Please enter your Full Name!");
   event.preventDefault();
function validationBlogMessage(event, message) {
  let userMessage = message.value;
  if (userMessage === "") {
   alert("Please enter your message!");
    message.focus();
var blogFullName = document.getElementById("blogName");
var blogEmail = document.getElementById("blogEmail");
var blogBtn = document.getElementById("blogSubmit");
var blogMessage = document.getElementById("Blogmessage");
blogBtn.onclick = function (event) {
  if (validationBlogFullName(event, blogFullName)) {
    if (validationFooterEmail(event, blogEmail)) {
      if (validationBlogMessage(event, blogMessage)) {
          "Thank you your sending us your comment." +
            "\nWe will review and update it shortly!"
var footerEmail = document.getElementById("footerEmail");
var footerBtn = document.getElementById("footerSubmit");
footerBtn.onclick = function (event) {
  if (validationFooterEmail(event, footerEmail)) {
    alert("Thank you for subscribing us!");
```

### 4. Form validation for CONTACT page

#### a. Description:

Validate when user wants to submit their form in terms of needing for their current status.

```
var fname = document.getElementById("contactFname");
var cEmail = document.getElementById("contactEmail");
var cButton = document.getElementById("contactSubmit");
var cMailSubject = document.getElementById("contactSubject");
var cMessage = document.getElementById("contactMessage");
function validationFirstName(event, name) {
  let userNameValue = name.value;
  if (userNameValue == "") {
    alert("Please enter your Full Name!");
    name.focus();
    event.preventDefault();
    return false;
  } else {
    return true;
function validationMailSubject(event, subject) {
  let emailSubject = subject.value;
  if (emailSubject == "") {
   alert("Please enter email subject!");
    subject.focus();
    event.preventDefault();
    return false;
    return true;
function validationContactMessage(event, message) {
  let emailSubject = message.value;
  if (emailSubject == "") {
   alert("Please tell us your message!");
    message.focus();
   event.preventDefault();
    return false;
  } else {
    return true;
```

```
function success() {
  alert(
    "Thank you for your registration!" + "\n32 SMILES will contact you shortly"
  );
function validationFooterEmail(event, email) {
  let emailValue = email.value;
  let pattern = /^[a-z][a-z0-9 .]{5,32}@[a-z0-9]{2,}(\.[a-z0-9]{2,4}){1,2}$/;
  if (emailValue === "") {
   alert("Please enter your email!");
   email.focus();
    event.preventDefault();
   return false;
  } else if (emailValue.match(pattern)) {
    return true;
  } else {
    alert("Please enter the correct email format. Example: abc@yahoo.com");
    email.focus();
   event.preventDefault();
    return false;
//Validate form
cButton.onclick = function (event) {
  if (validationFirstName(event, fname)) {
    if (validationFooterEmail(event, cEmail)) {
      if (validationMailSubject(event, cMailSubject)) {
        if (validationContactMessage(event, cMessage)) {
          success();
};
var footerEmail = document.getElementById("footerEmail");
let footerBtn = document.getElementById("footerSubmit");
footerBtn.onclick = function (event) {
  if (validationFooterEmail(event, footerEmail)) {
    alert("Thank you for subscribing us!");
```

### **TASK SHEET REVIEW 3**

Project Ref. No:  eP/Advertisement Portal  Management System/01		Project Plan	Activity Plan Prepared	Date of Preparation of activity plan				
Sr. No.		Task	Title.	by:	Actual start date	Actual days	Teammate name	Status
1	Homepage				22/08/2020	3	Trung	Completed
2	Education				22/08/2020	2	Trung	Completed
3	B Education detail				22/08/2020	3	Trung	Completed
4	Experts		32 Smiles	Trung	22/08/2020	2	Nhung	Completed
5	Treatments				22/08/2020.	2	Nhung	Completed
		Equipment			22/08/2020	.1	Nhung	
6	6 Products	Services				3	Trung	Completed
7	Contact				22/08/2020	1	Trung	Completed

Date:	
Signature of Instructor:	Signature of Team Leader:
Mr. Nguyen Ngo Phuoc	Nguyen Thanh Trung