**ITE3006: IT Essentials – Web**

**Report of EA2**

**EA2 Assignment Project: Touring Guide of Teshima Art Museum**

**Submission Deadline: 29th April 2022 [17:00]**

**Objective:**

**To design and implement the client-side of a web site of your own interest using HTML/HTML5, CSS/CSS3, and Javascript.**

**Scenario:**

**Imagine you are the owner of a club. You want to write a web site to promote and attract new comers for your club. Example web sites include:**

**- Soccer Club (Real Madrid, Manchester United, etc)**

**- Fan Club of a Movie/Music/Sport Star (Angelababy, Robynn & Kendy, etc.)**

**- Hobbies (Guitar Playing, Biking etc)**

**- Touring Guide (Hong Kong, China, Macau, etc)**

**- Promotion of environmental protection, health care, etc.**

**You should include the following features in your web sites:**

**- At least 3 pages in your web site**

**- Use suitable hyperlinks to link up the 3 pages and also show links to link your web site to the outside world**

**- Text contents, pictures or video arranged in a designed layout**

**- Attractive visual effects to arouse the interest of visitors**

**- Nicely implemented user interface including CSS-powered menus and input/output elements**

**- Pages with responsive layout**

**- Validation and processing of HTML form data using HTML5 and Javascript**

**Group member: ITP114116 Class 1A**

|  |  |
| --- | --- |
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**Project Demo and Submission**

**- Project demo will be done in the last workshop. Your site will be tested using Google Chrome or Mozilla Firefox.**

**- You are required to upload a zip file containing the following 2 items to Moodle:**

**(a) HTML/CSS/Javascript source code of the web site.**

**(b) A Word document to describe your assignment and show the appearance of all the pages in your web site.**

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**(Task b) A Word document to describe your assignment and show the appearance of all the pages on your website.**

# **Introduction of our project**

Our project is about the Teshima Art Museum which hosts a single piece of artwork and is located on the island of Teshima Kagawa Prefecture, Japan, in the Seto Inland Sea.

We are going to make a website that introduces the Teshima Art Museum and some information and notice about the Teshima Art Museum to all visitors.

We also provide a ticket booking system for the visitor and take them for a wonderful journey, once they are interested in this beautiful and cultural island.

On the website, you can also find the location of the Teshima Art Museum and the information about the Museum.

We hope that all the visitors can know more about the Teshima Art Museum, and we would also hope that visitors can leave us feedback or messages.

# **Objectives**

* To promote the Teshima Art Museum to the oversea tourists
* To set up an online ticket ordering system to let the tourist to reserve and order their tickets to make the website is more user-friendly for the user
* Make the website more visually attractive among the user though different promotional videos and still images in different webpages
* To make the website’s style be simply, minimal and neat to match the Museum’s public image
* With a little touch of orange on buttons and responsive navigation menu bar to make the website more user- friendly and visually attractive for users
* With responsive sizing of display (max 800px, max 650px and min 450px, min 450px) to fit in different format of display (Tablet, mobile, PC, MAC, etc)

# **Use of Language - CSS**

By using CSS, we have set three different slides on the screen. By changing the size of the screen the contents and the structure will move and change like the above three tables and all of our pages are based on the above structure.

### **CSS responsive - width more than 800px**

|  |
| --- |
| **#header** |
| **#nav** |
| **#main** |
| **#footer** |

### **Screencap of website [width more than 800px]:**

|  |
| --- |
| **A picture containing different, same, various  Description automatically generated**  As the screen is larger than 800px, the photos will place into 4 columns and list all the photos. |

### **CSS responsive - width less than 800px but equal or more than 450px**

| **#header** |
| --- |
| **#nav** |
| **#main** |

### **Screencap of website:**

|  |
| --- |
| **A picture containing different, same, various, several  Description automatically generated**  **A picture containing text, different, outdoor, same  Description automatically generated**  As the screen is equal and less than 800px and larger than 450px, the photos will place into 2 columns and list all the photos. |

### **CSS responsive - width less than 450px**

| **#header** |
| --- |
| **#nav Icon  Description automatically generated** |
| **#main** |
| **#footer** |

### **Screen cap of website:**

|  |
| --- |
| **A picture containing text  Description automatically generated**  **A picture containing text  Description automatically generated**  As the screen is less than 450px, the photos will place into 2 columns and list all the photos. |

# **Use of Language - JavaScript**

## **myFunction()**

### **Usage:**

The top navigation bar is inserted in every page which able users to click the button of the top navigation bar and it would bring the user to the corresponding html.

### **How the function work:**

By clicking the button of the top navigation bar, the function will put the action into a variable named “x” and using the if-else function it will move to the “div” that classify “topnav” which have insert different “ href ” and that is the main body of the top navigation bar.

### **Screencap of website:**

|  |
| --- |
| **à Text  Description automatically generated with medium confidence** |

## **print\_result()**

### **Usage:**

**When the user has submitted the ticket form, we use the JS alert method to alert the date-time, Booking time, name, etc. A window will jump out and show the information that the user input.**

### **How the function work:**

**Once the user has submitted the ticker form, all the basic information will be stored in different variables and for the privacy of the user, we will not show the private information that is entered. The variables will be using the “alert” function and a window will jump out and show back the information that has been entered to the user.**

### **Screencap of website:**

|  |
| --- |
| **Graphical user interface  Description automatically generated** |

# **Homepage**

## **Structure**

|  |
| --- |
| **#header** |
| **#nav** |
| |  | | --- | | **Introduce Video** |  |  |  | | --- | --- | | **Notice**   |  | | --- | | **Picture** | |  |  |  | | --- | --- | | **Touring art**   |  | | --- | | **Picture** | |  |  |  | | --- | --- | | **Hours ＆ Admission**   |  | | --- | | **Picture** | |  |  |  | | --- | --- | | **Facilities and Services**   |  | | --- | | **Picture** | | |

## **Screenshot of Homepage**

|  |
| --- |
| **Graphical user interface, application  Description automatically generated**  **A picture containing text  Description automatically generated**  **A picture containing graphical user interface  Description automatically generated**      **A picture containing different, same, entertainment center  Description automatically generated**  **Graphical user interface  Description automatically generated with low confidence** |

## **Functions**

|  |  |  |
| --- | --- | --- |
|  | **Attribute** | **Function** |
| 1 | * Embed video in iframe | * autoloop * auto play * no control display after the first browse * responsive |
| 2 | * <img src> tag | * embed images with responsive sizing * center setting in CSS |
| 3 | * photo display in grid | * responsive photo images in grid (HTML + CSS) |
| 4 | * <ul> tag * <ol> tag * <li> tag | * unordered (bulleted) list to show the information * defines an ordered list with numbered list * defines a list item on (un)order list |
| 5 | * :hover selector button | * :hover state becomes present when a user hovers over a button, by bringing their mouse or trackpad over it |
| 6 | * <a> href anchor tag | * Links hyperlinks to different pages on website * Links hyperlinks to an external website |

# **Ticket (Ordering System)**

## **Structure**

|  |
| --- |
| **#header** |
| **#nav** |
| |  | | --- | | **Introduce Video** |   **#Ticket Order System**   |  | | --- | | 1. **Booking Date** 2. **Booking Time** 3. **Gender** 4. **Number of Visitors** 5. **Injection proof for oversea visitor** 6. **Special Needs** 7. **Tour Guide Service** 8. **User experience of Reservation system** 9. **Reservation Code** | |

## **Screenshot of Ticket page**

|  |
| --- |
| **Inserting image...** |

## 

## **Data List of Ticket Ordering Form**

|  | **Label** | **Input type** | **Attribute** | **Attribute Code** | **Form Validation** |
| --- | --- | --- | --- | --- | --- |
| 1 | Fist Name | characters | required | placeholder="Your first name.." | ✓ |
| 2 | Last Name | characters | required | placeholder="Your last name.." | ✓ |
| 3 | Booking date | Date | required |  | ✓ |
| 4 | Booking time | Time | required |  | ✓ |
| 5 | Gender | Option | default checked |  | ✓ |
| 1. M  2. F | M | ✓ |
| 6 | Number of Adults | Number | min (1), max (8) | min="1" max="8" placeholder="Add number of adult.." | ✓ |
| 7 | Number of Children | Number | min (0), max (8) | min="0" max="8" placeholder="Add number of child.." | ✓ |
| 8 | Vaccine injection proofing for oversea visitor | File | Type of files: jpg/ png / gif / pdf file | accept="image/\*,pdf" | ✓ |

|  | **Label** | **Input type** | **Attribute** | **Attribute Code** | **Form Validation** |
| --- | --- | --- | --- | --- | --- |
| 9 | Type of Visitor | radio 1. Individual  2. Group | default checked=individual | <label for="visitor">Type of Visitor:</label>  <br />  <label class="container">Individual  <input type="radio" name="typeOfVisitor" value="Individual" checked="checked">  <span class="checkmark"></span>  </label>  <label class="container">Group  <input type="radio" name="typeOfVisitor" value="Group">  <span class="checkmark"></span>  </label>  <br /> | ✓ |
| 10 | Special Requirement | text | textarea required | <label for="Requirement">Special Requirement:</label>  <br />  <textarea value="Requirement" maxlength="250" cols="50" rows="5" placeholder="within 250 words..."  required="required"></textarea>  <br /> | ✓ |

|  | **Label** | **Input type** | **Attribute** | **Attribute Code** | **Form Validation** |
| --- | --- | --- | --- | --- | --- |
| 11 | Tour Guide Service | * Optgroup – option * **Language:**   Japanese, English, Putonghua   * **Type of Guide**   On-site Guided, Audio guide | <select> name for drop-down list | <optgroup label="Language">  <option value="Japanese">Japanese</option>  <option value="English">English</option>  <option value="Putongue">Putongue</option>  </optgroup>  <optgroup label="Types of Guide">  <option value="On-site Guided Tour">On-site Guided Tour</option>  <option value="Audio guide">Audio guide</option>  </optgroup> | ✓ |
| 10 | User Experience of Ordering | * Rating list * Good / Average / Poor | Rating list  checked = good | <label for="Requirement">Special Requirement:</label>  <br />  <textarea value="Requirement" maxlength="250" cols="50" rows="5" placeholder="within 250 words..."  required="required"></textarea>  <br /> | ✓ |
| 13 | Security Code | Password | password security | at least one number and one uppercase and lowercase letter, and at least 8 or more characters | ✓ |
| 14 | Confirm Security Code | Password | password security | at least one number and one uppercase and lowercase letter, and at least 8 or more characters | ✓ |
| 15 | Submit | Submit | Submit button | Submit the form |  |
| 16 | Reset | Reset button | Reset button | Reset the form |  |

# **How to go**

## **Structure**

|  |
| --- |
| **#header** |
| **#nav** |
| |  | | --- | | **Introduce Video** |  |  | | --- | | **Map** |  |  | | --- | | **#Route to Teshima Art Museum**  **Reminder** | |

## **Screencap of “How to go”**

|  |
| --- |
|  |

## **Functions**

|  |  |  |
| --- | --- | --- |
|  | **Attribute** | **Function** |
| 1 | * Embed google map iframe | * shows the location of museum |
| 2 | * Embed video in iframe | * autoloop * auto play * no control display after the first browse |
| 3 | * <ul> tag * <li> tag | * unordered (bulleted) list to show the information * defines a list item on (un)order list |
| 4 | * <a> href anchor tag | * Links hyperlinks to different pages on website * Links hyperlinks to an external website |

# **Enquiry (Form)**

## **Screencap of “Enquiry” page**

|  |
| --- |
|  |

## **Data List of Enquiry Form**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Label** | **Input type** | **Attribute** | **Function** | **Form Validation** |
| 1 | Fist Name | characters | * autofocus * <input> placeholder * required | * an <input> element should automatically get focus when the page loads * must be filled out before submitting the form | ✓ |
| 2 | Last Name | characters | * <input> placeholder * required | * specifies a short hint that describes the expected value of an input field * must be filled out before submitting the form | ✓ |
| 3 | Title | option | * select tag * required | * create a drop-down list | ✓ |
| 1. Miss 2. Mr. 3. Ms. 4. Mrs |
| 4. | Email Address | email | * <input> placeholder * required | * specifies a short hint that describes the expected value of an input field * must be filled out before submitting the form | ✓ |
| 5 | Country | option | * select tag * required | * create a drop-down list | ✓ |
| 6. | Subject | textarea | * required * <input> placeholder | * must be filled out before submitting the form * specifies a short hint that describes the expected value of an input field | ✓ |
| 7. | Submit | Submit | * submit button | * defines a submit button which submits all form values to a form-handler | ✓ |
| 8. | Reset | Reset | * reset button | * buttons are used to reset forms | ✓ |

**-END-**