

JENKINSON SEA LIFE

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Class	T1.2205.M0		
Group	5		
Group members	Name	Student ID	
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	Nguyen Le Tien Dung	Student1384673	
	Ho Thong Vien	Student1384662	
Duration	Start date	19-Aug-22	
	End date	19-Sep-22	

This is to certify that

Mr.:

Pham Hung Quoc Vinh

Nguyen Le Tien Dung

Ho Thong Vien

has successfully designed & developed

eProject: Jenkinson Sea Life website

Submitted by:

Pham Hung Quoc Vinh

Date of issue: 19-Aug-22

Authorized Signature:

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ACKNOWLEDGMENT

The desire for learning, upgrading technical skills and applying the concepts in real life environment at a fast pace is what the industry demands from IT professionals today. Some problems such as hectic schedules, far-flung locations, pose as major barriers when it comes to applying the concepts into realism. Therefore, the need to look out for alternative means of implementation in the form of laddered approach.

The above truly pose as constraints especially for our students too! With their busy schedules, it is indeed difficult for our students to keep up with the genuine and constant need for integrated application which can be seen live especially so in the field of IT education where technology can change on the spur of a moment. Well, technology does come to our rescue at such times!!

Keeping the above in mind and in tune with our constant endeavor to use Technology in our training model, we at Aptech have thought of revolutionizing the way our students learn and implement the concepts using tools themselves by providing *a live and synchronous eProject learning environment!*

As we understand that the eProject is a step-by-step learning environment that closely simulates the class-room and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

- Practice step by step i.e. laddered approach.
- Build a larger more robust application.
- Usage of certain utilities in applications designed by user.
- Single program to unified code leading to a complete application.
- Learn implementation of concepts in a phased manner.
- Enhance skills and add value.
- Work on real life projects.
- Give a real life scenario and help to create applications more complicated and useful.
- Mentoring through email support.

We would like to send a great thank to our lecture and others student for the useful supports during the time in project.

Apart from several mistakes we had made in the project, we hope to gain more valuable opportunities to widen our knowledge in web developing field.

We also thank you so much for your information and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning any thing as much as we can to be more successful in the future.

Your Sincerely,

Team Group 5.

SYNOPSIS

The Objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger more robust application.

The objective is not to teach us HTML/JavaScript but to provide us with a real life scenario and help us create basic applications using the tools.

Hence, we can revise the chapters before we start with the project.

This project is meant for students like us who have completed the module of HTML5. These programs should be done in the Lab sessions with assistance of the faculty if required.

The website (in this project) is a place to provide people with a unique and memorable experience through creative exhibits as well as innovative educational and outreach programs

It is very essential for us that will have a clear understanding of the subject. We think we should go through the project and solve the assignments as per requirements given.

And get back eprojects@aptech.ac.in as the assigned schedule.

PROBLEM DEFINITION

Jenkinson Sea Life is a privately owned facility located on the boardwalk in Point Pleasant Beach, Singapore. It has been dedicated to educating the public on all aspects of marine life and conservation. Each exhibit is designed to promote awareness of the animals, their habitats and conservation. We strive to provide our guests with a unique and memorable experience through creative exhibits as well as innovative educational and outreach programs.

This place is very huge and comprises of marine life animals and they are fed and breeding. It is the big centre for organizing the school events for the purpose of study and so on. For the children to visit a marine life place is big thing as they love to sea creatures. The organization wishes to make a website for the marine life for which they have contacted you.

Our team is supposed to create a Single-Page-Application and responsive Website for them with the below mentioned requirement specifications.

The website is to be developed for the Windows Platform using HTML5, JSON, Angular JS, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

CUSTOMER'S REQUIREMENTS SPECIFICATIONS (CRS)

Business/Project Objective:

The portal will be designed as a Single-Page-Application and responsive Website with a set of pages and menus that represent choice of activities to be performed. The pages, menus, and other visual elements must be designed in a visually appealing manner with attractive fonts, colors, and animations.

This website for the marine life strives to provide our guests with a unique and memorable experience through creative exhibits as well as innovative educational and outreach programs.

Input to the system:

- Feedback about the quality of events.

Output from the system:

- Introduction about the Jenkinson Sea Life.
- Display events information by in-person event category.
- The location of the aquarium under Contact-Us page.
- Displays FAQ and allows users to email directly to the aquarium.

Process:

- Validate data input from users.
- Perform search based on: in-person events

Expected delivery date: 19-Sep-22

Hardware/ Software Requirements

Hardware

- Intel Core i3/i5 Processor or higher
- 8 GB RAM or above
- Color SVGA
- 500 GB Hard Disk space
- Mouse
- Keyboard

Software

Technologies to be used:

- Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, AngularJS, XML
- Data Store: JSON files or TXT files

Other Requirements:

- Operating System: Windows
- Browsers: Edge, Chrome, Mozilla Firefox, Safari

SCOPE OF THE WORK (IN BRIEF)

After a long and detailed discussion, our group has decided to create a website contain the following webpages:

1. **Home:** There is a search bar to search for events and introduce the company.
2. **Gallery:** Display pictures of animal
3. **Events:** Displays all available events based on the Category (events for adults, events for kids, private events). In the above categories, events can be filtered by purposes

4. **Contact Us:** Display the address of the company, Map and allow customers to request any information they want to Jenkinson Sea Life.
5. **Feedback:** Display all comments and the score of customers.

ARCHITECTURE AND DESIGN OF THE SYSTEM

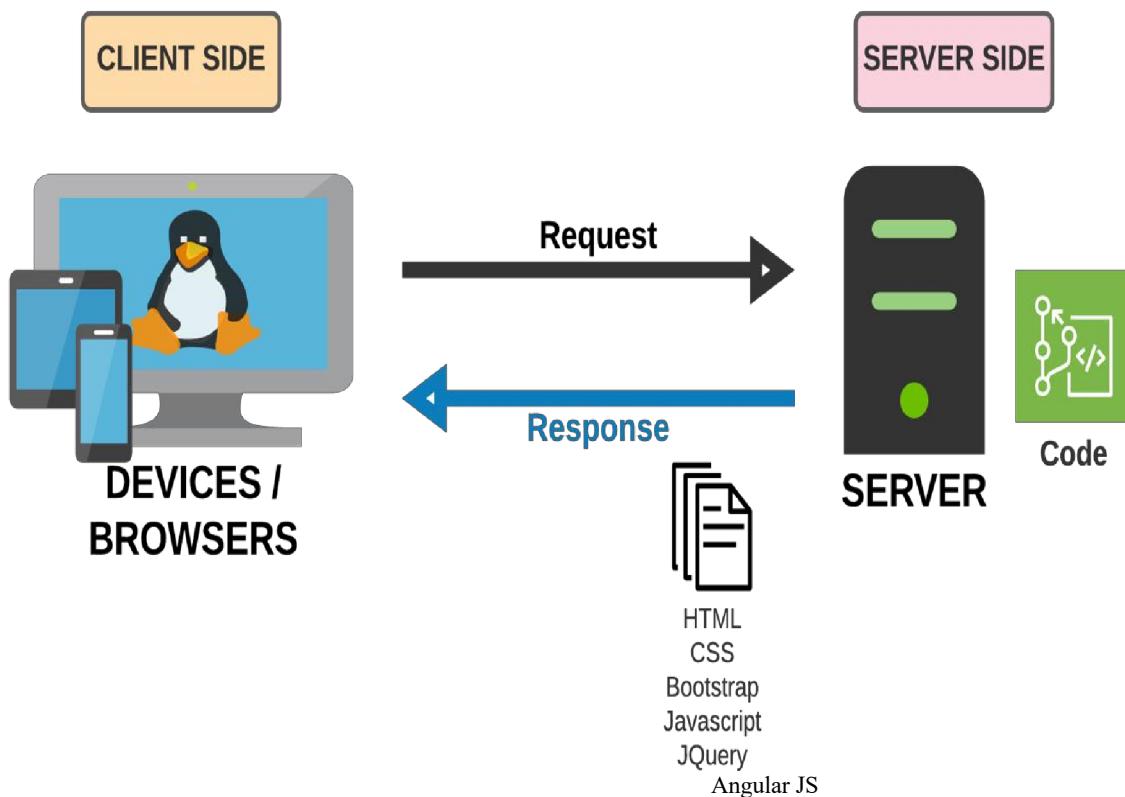
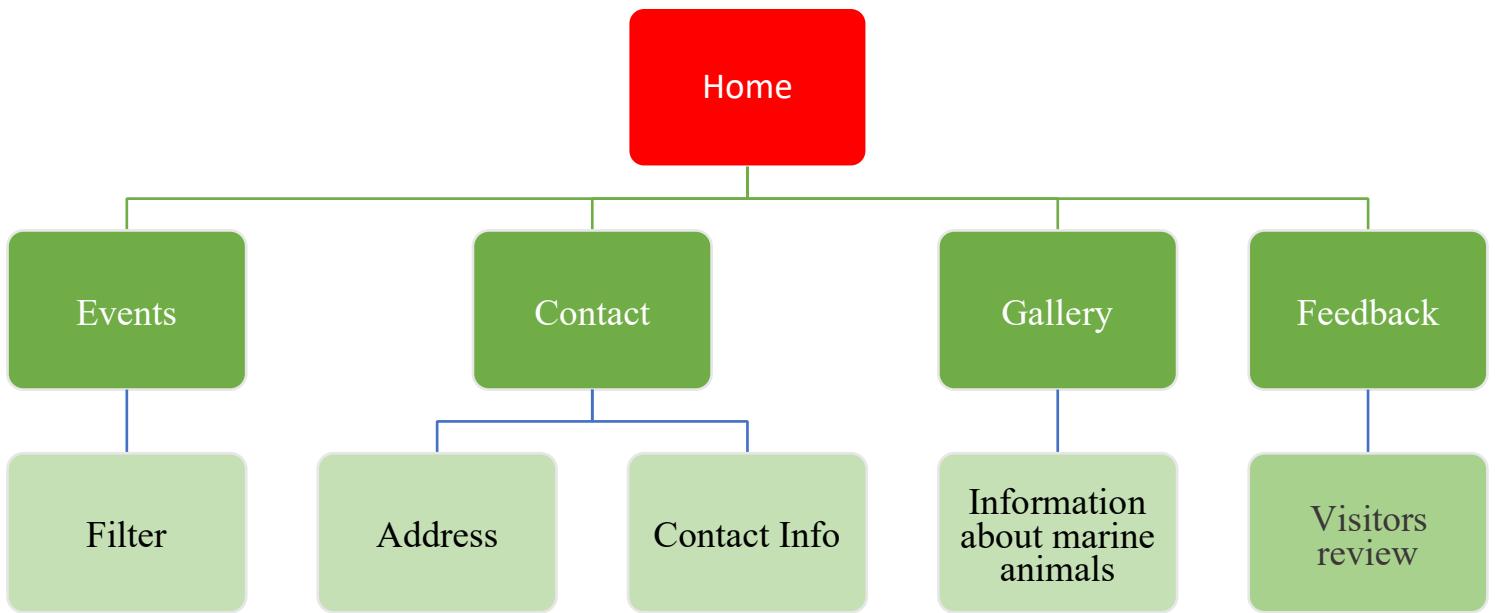


DIAGRAM OF THE WEBSITE



TASK SHEET REVIEW 1

Project Ref. No.: eP/Advertisement Portal Management System/01		Project Title: Jenkinson SeaLife	Activity Plan Prepared By: VINH	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Problem Statement			19-Aug-22	1	Vinh	Completed
2	Analysis of Jenkinson Sealife requirements about the website			19-Aug-22	1	Vinh	Completed
3	The scope of the work (in brief)			19-Aug-22	1	Vinh	Completed
4	Architecture and design of the system			19-Aug-22	1	Vinh	Completed
5	Diagram of the website			19-Aug-22	1	Vinh	Completed
6	Task Sheet			19-Aug-22	1	Vinh	Completed

Date: 19-Aug-22

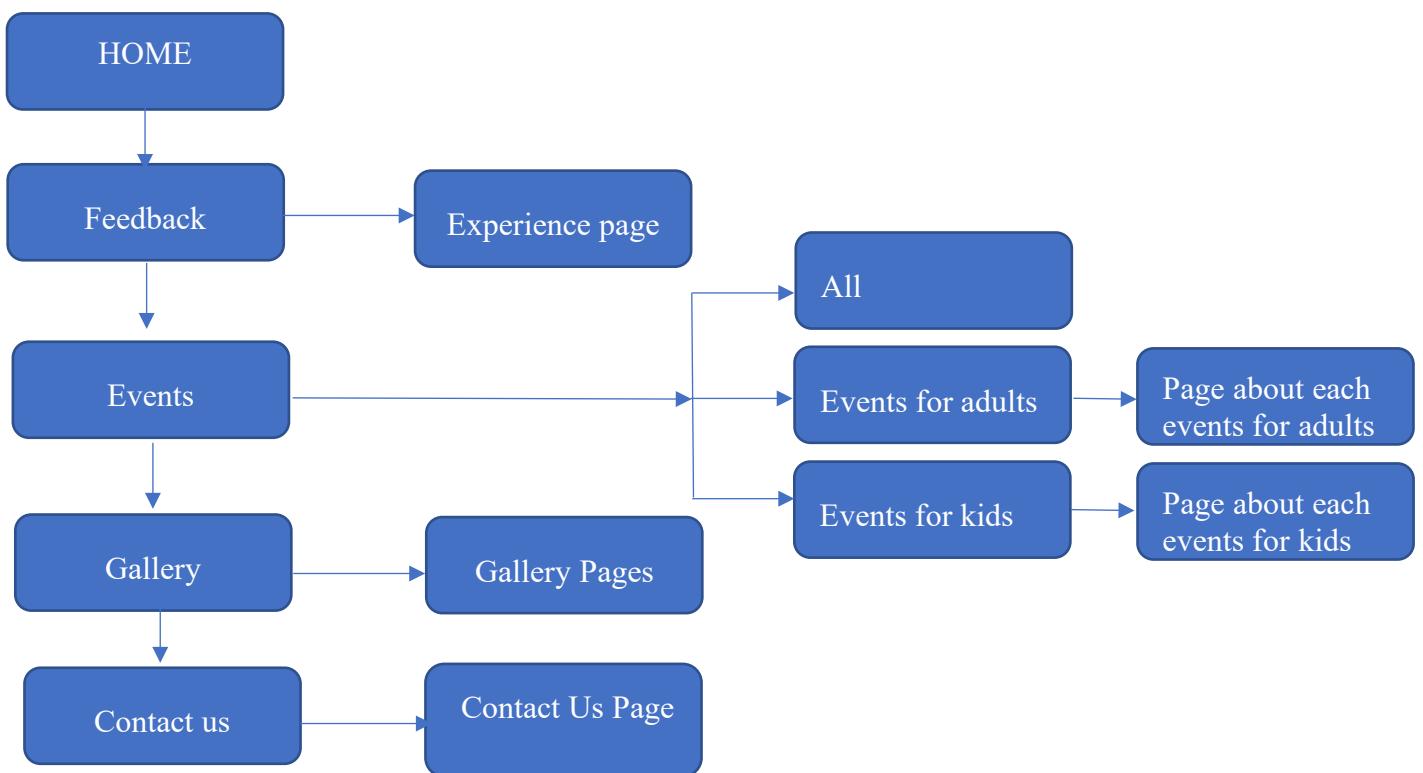
Signature of Instructor:

Signature of Team Leader:

Ms. Le Mong Thuy

Pham Hung Quoc Vinh

SITE MAP



HOME

**HEADER
(NAVIGATION BAR)**

SLIDER

CONTENT OF WEBPAGE

EVENTS

FOOTER

GALLERY

HEADER
(NAVIGATION BAR)

IMAGE

FOOTER

EVENTS

HEADER
(NAVIGATION BAR)

CATEGORIES

IMAGE

FOOTER

IN-PERSON EVENTS

HEADER
(NAVIGATION BAR)

SLIDER

IMFORMATION

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

FOOTER

FEEDBACK

HEADER
(NAVIGATION BAR)

SLIDER

RATING POINT

FEEDBACK

FOOTER

CONTACT US

HEADER
(NAVIGATION BAR)

SLIDER

TEAM MEMBER
MAP LOCATION

CONTACT FORM

FOOTER

TASK SHEET REVIEW 2

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Site map	Jenkinson Sealife	Vinh	21-Aug-22	1	Dũng	Completed
2	Mock of the website			21-Aug-22	1	Dũng	Completed
3	Task sheet			21-Aug-22	1	Vinh	Completed

Date: 22-Aug-22	
Signature of Instructor:	Signature of Team Leader:
Ms. Le Mong Thuy	Pham Hung Quoc Vinh

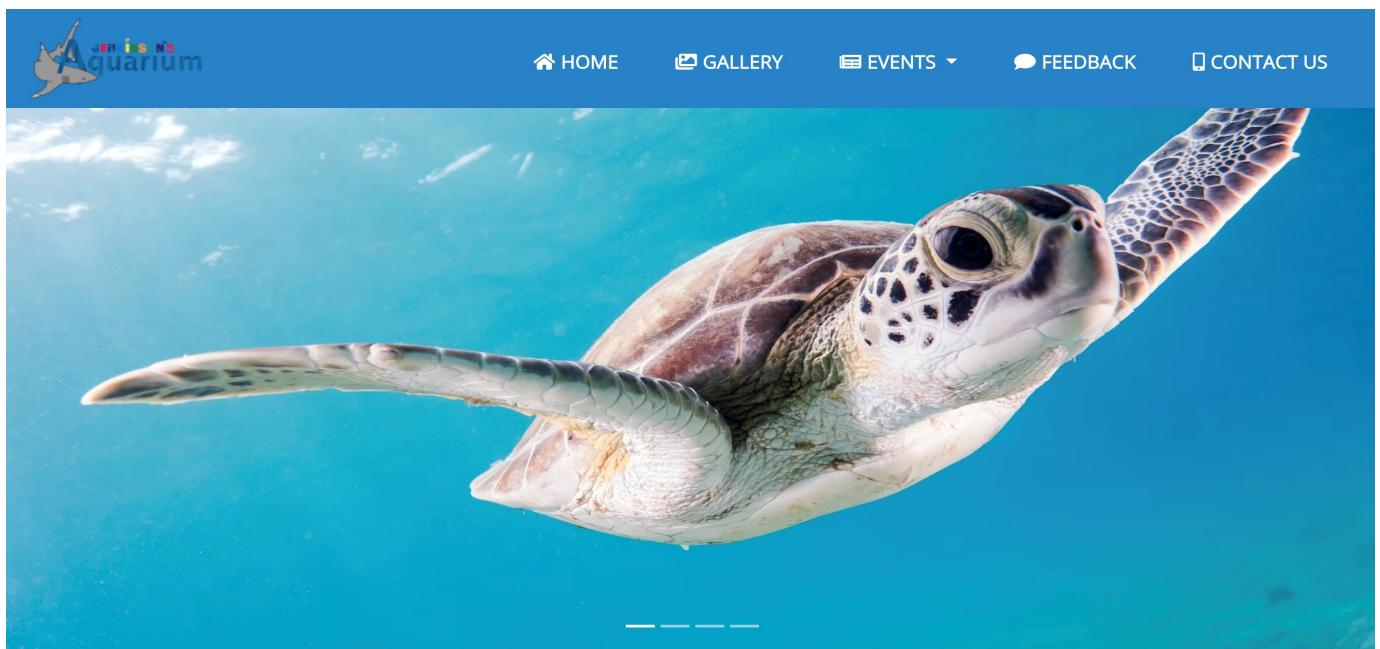
WEBSITE DESCRIPTION

1. HOME PAGE.

1. Description

- This website displays the following information: Introducing Jenkinson Sea Life, some outstanding events for adults and kids.
- Click on each item you feel interested in. It will lead you to each detail page.

2. Screenshot

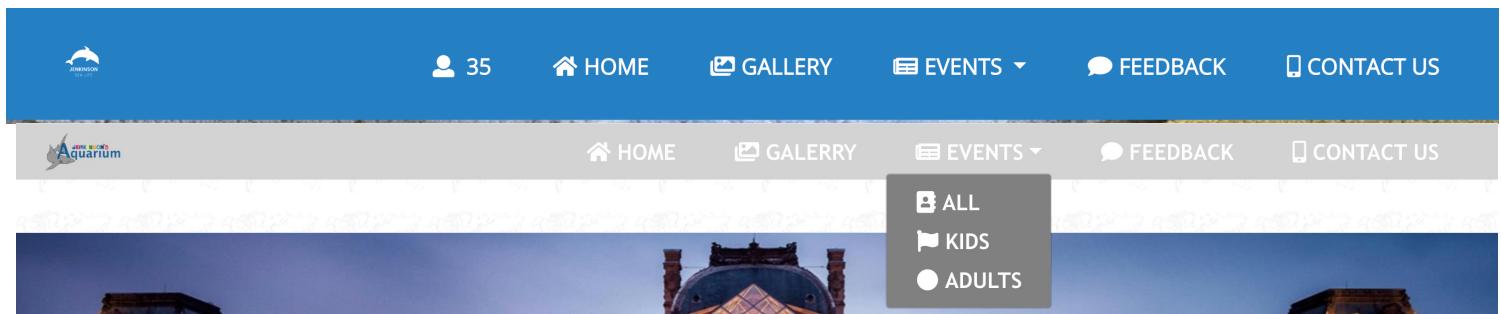


♦ Navigation bar

1. Description

- This menu bar allows users to navigate to every webpage of the whole website. For example, users need to click on Gallery to show the Gallery page will open. The same method is applied for other pages.
- And in the Events button, we have 3 links to show you the detail of different events.

2. Screenshot

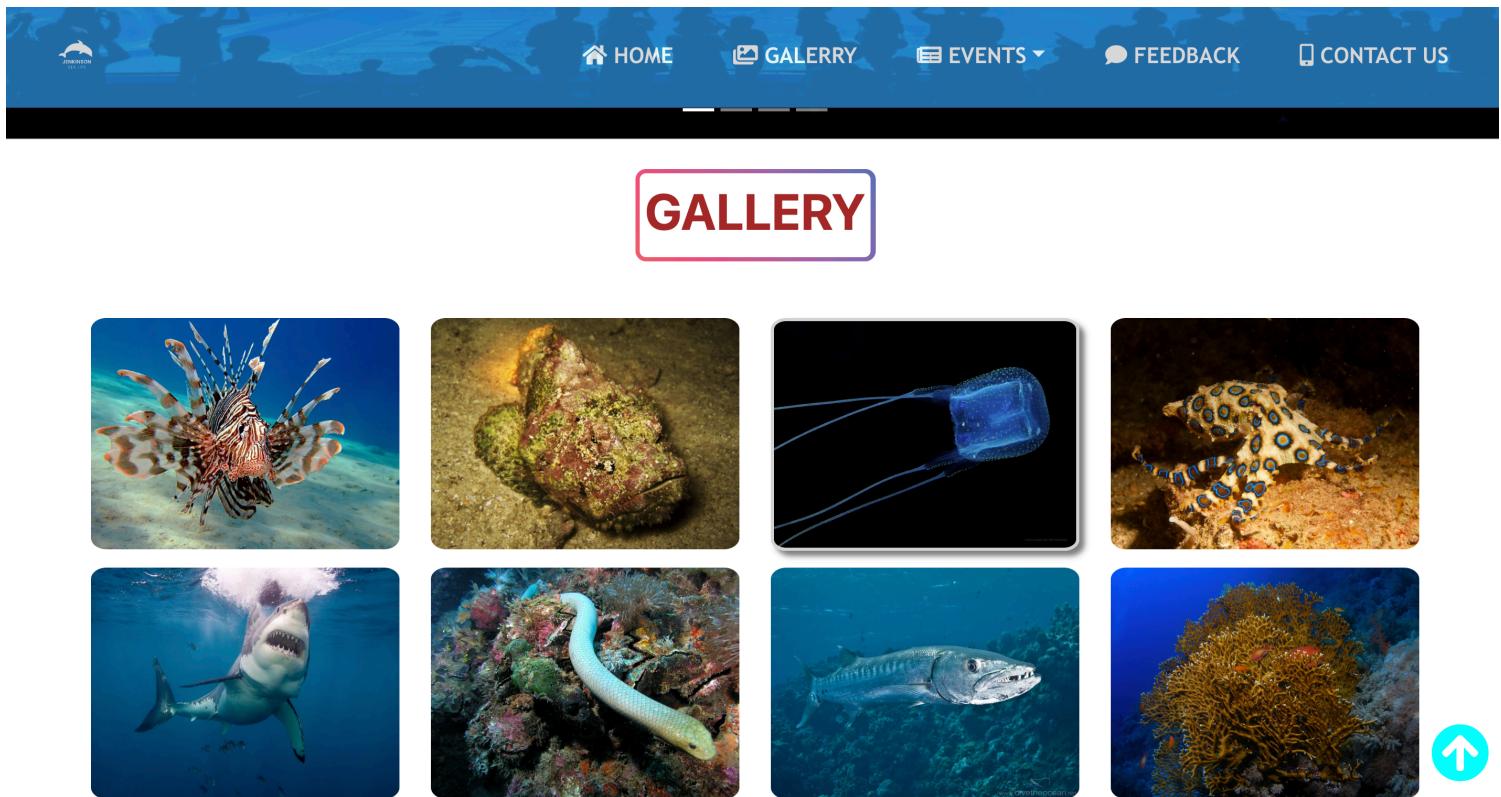


3. GALLERY

1. Description

- This webpage displays all images of the website
- Gallery page display images of sea animals.
- Modal display images in a larger format.

2. Screenshot



2. EVENTS PAGE

A. ALL EVENTS

1. Description

- Events page will display following information:
- + Pictures of events.
- + Categories to categorize events: Kids and Adults

2. Screenshot

The screenshot shows the 'Events' section of the Sea Life website. At the top, there's a navigation bar with links for HOME, GALERRY, MUSEUM, FEEDBACK, and CONTACT US. Below the navigation, the word 'EVENTS' is prominently displayed in red. On the left, there's a sidebar with a 'Categories' section containing checkboxes for 'ADULTS' and 'KIDS'. The main content area displays several event cards, each with a thumbnail image and a title. The events shown are:

- First Wednesdays: Lecture, Cocktail Hour, and Music** (Thumbnail: Bee on a flower)
- National Marine Park Snorkel Safaris** (Thumbnail: People in wetsuits standing on a beach)
- Night Dive** (Thumbnail: A glowing jellyfish)
- Photographers Night** (Thumbnail: An orange sea dragon)
- Southeast Asia Day** (Thumbnail: Two people in traditional Southeast Asian costumes)
- Yoga at the Aquarium** (Thumbnail: People doing yoga in front of an aquarium tank)
- Live Music with Jazz** (Thumbnail: An aquarium tank)

B. EVENTS FOR KIDS AND ADULTS

1. Description

This page displays following information:

+ Slider pictures of event: image, ticket, time and name. +

Link to another web pages

◊ Example of a detailed event page.

1. Description

This webpage displays detailed information of event such as: information, time, prices, images.

2. Screenshot

The screenshot shows a website for an aquarium. At the top, there's a navigation bar with links for HOME, GALLERY, MUSEUM, FEEDBACK, and CONTACT US. On the left, there's a sidebar with categories for ADULTS and KIDS. The main content area features a large title 'Yoga at the Aquarium' in red. Below it, event details are listed: Location: 300 Ocean Ave N, Point Pleasant Beach, NJ 08742, USA; Cost: General public: \$60 for the 4 class series, \$20 for a single class; Date: Wednesday, SEPTEMBER 7, 2022, 7:00–9:00 pm PT. To the right of the text, there's a photograph of people doing yoga in front of a large aquarium tank. Further down, a detailed description of the class is provided, mentioning that each 60-minute class will guide participants through poses designed to calm the mind and keep them invigorated throughout the day. It also notes that cost includes aquarium admission and specifies that all participants must sign a waiver and bring their own mats, water bottles, and equipment. The text also highlights that the yoga is led by certified instructor Stephanie Serrano, who has an M.A. in Yoga Studies and offers classes for students at all levels. The description ends with a note about the instructor's passion for the healing properties of yoga and her excitement to offer the gift of yoga to the Aquarium of the Pacific. To the right of the text, there's a small image of people doing yoga in front of an aquarium, followed by a section titled 'Jazz with Juno' featuring live music with The Ken Sero Jazz Trio on August 26 from 11AM to 3PM.

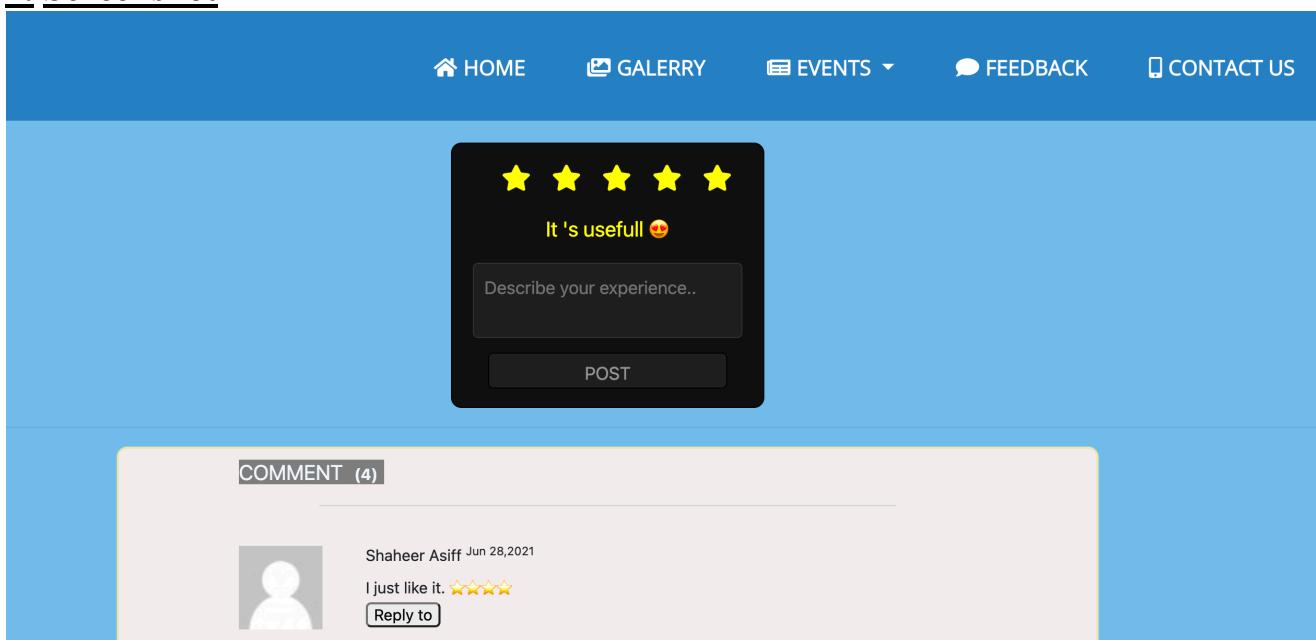
3. FEEDBACK PAGE

1. Description

This webpage displays:

- + Good and bad feedback of user.
- + Short feedback by rating list and whole comments of the peoples. It also gives the number of stars and comments by customers who had good reviews to the pages.

2. Screenshot

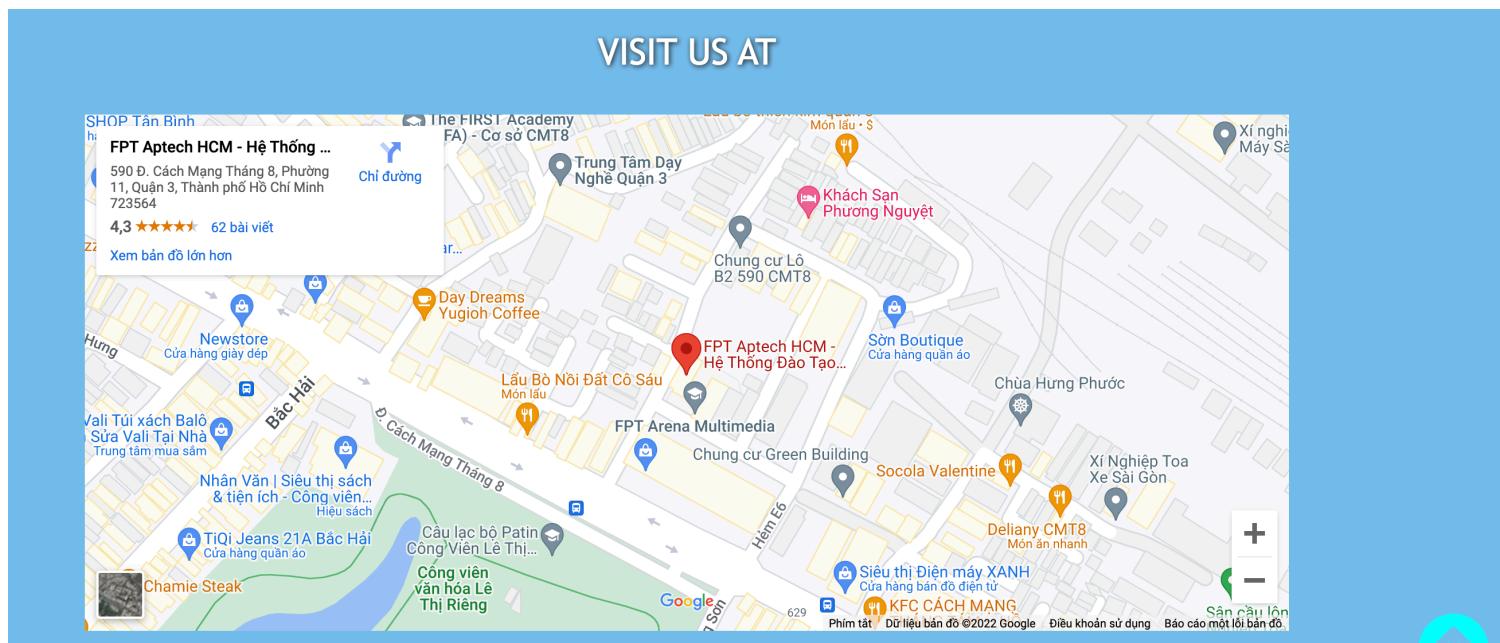
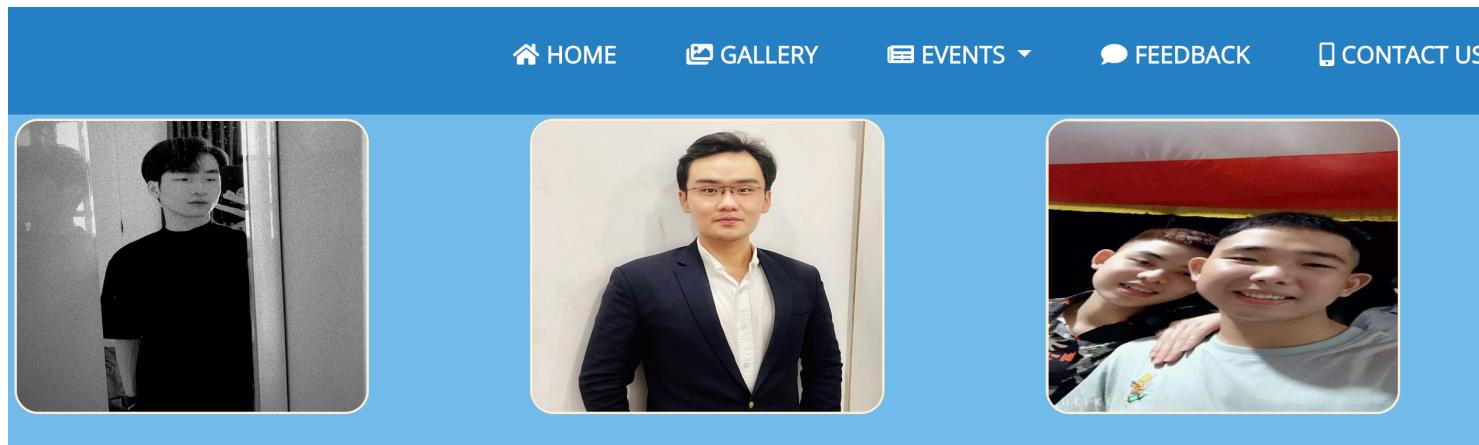


4. CONTACT PAGE

1. Description

- The members who public and control this page.
- This webpage allows users to request information they inquire to Jenkinson Sea Life and displays the geolocation of the company.
- Link the mail address if customer need direct help.

2. Screenshot



GET IN TOUCH

Enter Message

District 3, Ho Chi Minh city

590 Cach Mang Thang Tam str, Ward 11

Call us : **111-222-3333**

Monday-Friday: 8AM - 6PM

Weekend: 8AM - 10PM

Mail to:
support@Jenkinson.com

Submit

↑

CONTACT US

JAVASCRIPT DESCRIPTION

Filter

Description:

Filter events by types (adults and kids).

Code:

```
<script async>
    type="text/javascript">
        new WOW().init();
        $(document).ready(function () {
            var data = [];
            var data1 = [];
            var data2 = [];
            var temp1 = [];
            var temp2 = [];
            var dat1 = [];
            var dat2 = [];

            $.getJSON("./JSON/data.json", function (items) {
                data1 = items;
                $.getJSON("./JSON/data1.json", function (items1) {
                    data2 = items1;
                    data = data2.concat(data1);
                    displayImages(data);
                });
            });
        });

        $(".btn-top").click(function () {
            $('body,html').animate({
                scrollTop: 0
            });
        });
        // adult
        $(".box").hide();

        $("input[id=chk-mu]").click(function () {
            let catss = $('input[id=chk-mu2]').prop('checked');
            let cats = $("#chk-mu:checked").map(function () { return $(this).val() }).toArray().toString();
            let subdata
            if (cats.length == 0) {
                if (catss == false) {
                    displayImages(data);
                    $(".box").hide();
                    $('input[id=chk]').prop('checked', false);
                }
            }
            else {

```

```

        $(".box").hide();
        $('input[id=chk]').prop('checked', false);
        dat1 = temp1;
        displayImages(dat1);
    }
    temp2 = [];
}
else {
    $(".box").show();
    subdata = data2.filter(item => cats.search(item.z) >= 0);
    dat1 = subdata.concat(temp1);
    temp2 = subdata
    displayImages(dat1);
}

;

});

// kid

$(".box2").hide();

$("#input[id=chk-mu2]").click(function () {
    let catss = $('input[id=chk-mu]').prop('checked');
    let cats = $("#chk-mu2:checked").map(function () { return $(this).val() }).toArray().toString();
    let subdata
    if (cats.length == 0) {
        if (catss == false) {

            $(".box2").hide();
            $('input[id=chk2]').prop('checked', false);
            displayImages(data);
        }
        else {
            $(".box2").hide();
            $('input[id=chk2]').prop('checked', false);
            dat2 = temp2;
            displayImages(dat2);
        }
        temp1 = [];
    }
    else {
        $(".box2").show();
        subdata = data1.filter(item => cats.search(item.z) >= 0);
        dat2 = temp2.concat(subdata);
        displayImages(dat2);
        temp1 = subdata;
    }
;
});
$(document).on('click', ".divimage", function () {
    let zz = $(this).data('idsa')
})

```

```

let product = data.filter(ele => ele.ida == zz)

setModal(product[0])
$('#myModal').modal('show');
});

});

function displayImages(items) {
let s = ``;

$.each(items, function (k, v) {

    s += ` <div class="col-md-6 col-lg-4 divimage wow fadeIn" data-wow-duration="1.5s"
data-idsa="${v.ida}">
        
        <p>
            ${v.ten} <br>

        </p>
    </div> `;

});

$("#muse").html(s);

};

function setModal(m) {
let x = `

<div class="modal-header">
    <span class="ten">${m.ten}</span>
    <button type="button" class="close" data-dismiss="modal">&times;</button>
</div>
<div class="modal-body">
    <div class="row ">
        <div class="col-lg-12 ngh "><i>Location</i>: ${m.addr}</div>
    </div>
    <div class="modal-body">
        <div class="row ">
            <div class="col-lg-12 ngh "><i>Cost</i>: ${m.cost}</div>
        </div>
    <div class="modal-body">
        <div class="row ">
            <div class="col-lg-12 ngh "><i>Date</i>: ${m.date}</div>
        </div>
        <br>
        <div class="row ">
            <div class="col-lg-4"></div>
            <div class="col-lg-8 text-justify">${m.nd}</div>
        </div>
        <br>
    </div>
</div>
`;
```

```

`;

$('.modal-content').html(x);
};

</script>

```

Modal

Description:

- when clicking on the image will show the method corresponding to that image.

Code:

```

<script async>
    type="text/javascript">
        new WOW().init();
        let data = [];
        let itemsPerPage = 16;
        let page = 1;

        $(document).ready(function () {

            $.getJSON("./JSON/data2.json", function (items) {
                data = items;
                displayImages(data, page);
                displayPagination(data);

            });
            $(document).on('click', "#link", function (e) {
                // e.preventDefault();

                let page_no = $(this).data('id');

                displayImages(data, page_no);

            });
            $(".btn-top").click(function () {
                $('body,html').animate({
                    scrollTop: 0
                });
            });

            $(document).on('click', ".divimage", function () {
                let zz = $(this).data('id');
                let product = data.filter(ele => ele.id == zz);

                setmodal(product[0]);
                $('#myModal').modal('show');
            });

        });

        function displayPagination(data) {
            let n = data.length / itemsPerPage;

```

```

let s = `<li class="page-item"><a class="page-link" href="#" id="link" data-
id="1">&laquo;</a></li>`;
for (let i = 1; i <= n; i++) {
    s += `<li class="page-item"><a class="page-link" href="#" id="link" data-
id="${i}">${i}</a></li>`;
}
s += `<li class="page-item"><a class="page-link" href="#" id="link" data-
id="${n}">&raquo;</a></li>`;

$(".pagination").html(s);

};

function displayImages(data, page) {
    let s = ``;

    let startItem = (page - 1) * itemsPerPage;
    let stopItem = startItem + itemsPerPage;

    for (let i = startItem; i < stopItem; i++) {
        s += `<div class="col-md-6 col-lg-3 divimage wow slideInUp" data-wow-duration="1.2s"
data-id="${data[i].id}">
            
        </div> `;
    };

    $("#muse").html(s);

};

function setmodal(m) {
    let x = ``;
    <div class="modal-header">
        <button type="button" class="close" data-dismiss="modal">&times;</button>
    </div>
    <div class="modal-body">
        <h3>${m.name}</h3>
        <p>${m.desc}</p>
        
    </div>
`;
    $('.modal-content').html(x);
};

</script>

```

Counting the clients

Description:

- it will appear the number of clients visiting the website.

Code:

```
<script>
    var counterContainer = document.querySelector(".website-counter");
    var resetButton = document.querySelector("#reset");
    var visitCount = localStorage.getItem("page_view");

    // Check if page_view entry is present
    if (visitCount) {
        visitCount = Number(visitCount) + 1;
        localStorage.setItem("page_view", visitCount);
    } else {
        visitCount = 1;
        localStorage.setItem("page_view", 1);
    }
    counterContainer.innerHTML = visitCount;

</script>
```

TASK SHEET REVIEW 3

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Home/Feedback page	Jenkinson Sea Life	Vinh	29/08/2022	8	Dung	Completed
2	Gallery			29/08/2022	8	Vien	Completed
3	Contact Page			29/08/2022	8	Dung	Completed
4	Detail page/ Events page			29/08/2022	8	Vinh	Completed

Date:	
Signature of Instructor:	Signature of Team Leader:
Ms. Le Mong Thuy	Pham Hung Quoc Vinh