FPT ACADEMY INTERNATIONAL

FPT ‑ APTECH COMPUTER EDUCATION

Centre Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.

NEXUS AQUARIUM

Supervisor	PHAM THI LANH	
Semester	1	
Batch No	T1.2006.M1	
Group No	2	
Order	Full name	Roll No.
1.	DANG THE HIEN	Student1269827
2.	BUI NHAT HIEN MINH	Student1269330
3.	PHAM MINH NHUT	Student1269331

Month 10 Year 2020

This is to certify that

Mr: DANG THE HIEN

Mr: BUI NHAT HIEN MINH

Mr: PHAM MINH NHUT

Has successfully Designed & Developed
NEXUS AQUARIUM

Submitted by:

Pham Thi Lanh

Date of issue:

October, 5 th 2020

Authorized Signature:

CONTENTS

ACKNOWLEDGEMENT

I would like to acknowledge all those who have given moral support and helped in making the project a success.

I wish to express my gratitude to the e-Projects Team at the Head Office, who guided and helped me. I would also like to express my gratitude to all the staff members of my center for not only providing me with the opportunity to work with them on this project, but also for their support and encouragement throughout the process.

I also express my sincere gratitude to the e-Projects Team at the Aptech Head Office and my project guide at the organization, for her valuable guidance and support for the completion of this project.

And finally, I would like to offer many thanks to all my colleagues for their valuable suggestions and constructive feedback.

SYNOPSIS

Nexus Aquarium is one of the famous aquarium in the town since 2000, now the aquarium organization wish to change their existing website completely. The website which they demand is suppose to provide user friendly environment and navigation.

The important menu must be stated in the top section of the webpage. Also a decent look out and color combination is expected.

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..

REVIEW 1

I. REQUIREMENT SPECIFICATION.

The Web site is to be created based on the following requirements.

1/ The Home page must have well defined logo and image of the sea creatures.

2/ Apart from home link, other links such as gallery section, certain information about animals (marine life animals) they have.

3/ Contact details must be added. Address of the Company should be displayed using GeoLocation API (eg. GoogleMaps) and the email address which when clicked will invoke the local mail client from where they can send an email.

4/ Events (separately for children) must be stated in the website with the proper schedule and details.

5/ Online booking of event (Dummy page where information must be entered, and validation checking must be done)

6/Timing and location must be stated in the website. Location should be displayed using GeoLocation API (eg. GoogleMaps)

7/ Images of the aquarium location (site seeing must be included)

8/ Navigation must be maintained smooth.

9/ Color combination must be precise and uniformity must be maintained.

10/ Categorization of the marine life animals and there different species information should be shown in tabular form.

11/ Feedback form (dummy) should be provided.

II. PROBLEM DEFINITION

-        Galerypage can displayed about 40-80 marine animals.
-        Information displayed about each marine animal:

+ Name.

+ Size.

+ Life area.

-        The users can feedback about quality service.
-        The users can able to question about Nexus Aquarium.

III.   CUSTOMERS REQUIREMENT SPECIFICATIONS (CRS)

a. Client: Nexus Aquarium WebSite Online

All

b. Business/Project Objectives:

It is the big centre for organizing the school events for the purpose of study and so on.

c. Inputs provided by clients:

- Buy ticket.

- Booking tours.

- Feedback service.

d. Hardware Requirement:

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better

- 64 Megabytes of RAM or better

e. Software Requirements:

- Notepad/HTML editor

- Dreamweaver

- IE 5.0/ Netscape 6.0

IV. SITEMAP
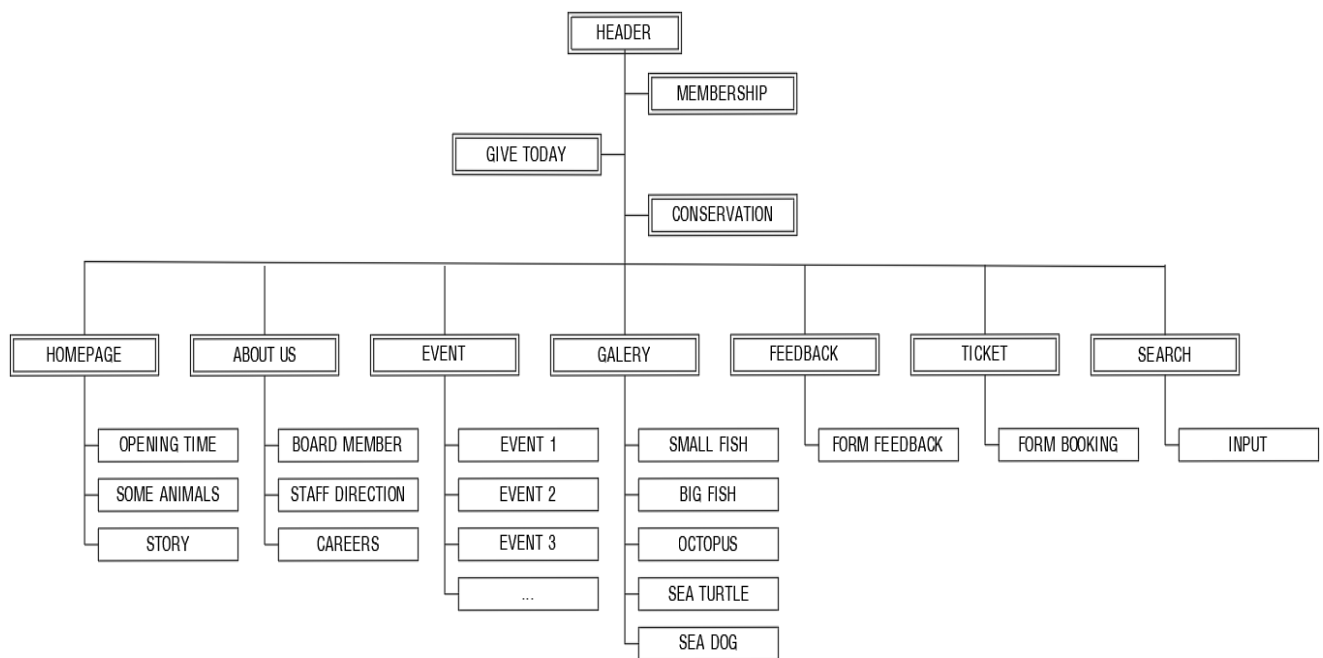
- Here are our layouts which will show you how we brainstormed ideas for the aquarium's web pages. Because of being academic website, we tried to build them SIMPLE but USEFUL and INFORMATIVE as much as possible.

- The website is going to have several pages which include different information in the same main layout.

a. Homepage:

Open time	Member ship	Give today	Conservation

logo	About us	Event	gallery	feedback	ticket	search

Boar member	Event 1	Small fish	Form Feedback	Form Booking	Input
Staff direction	Event 2	Big fish			
Careers	Event ...	Octopus			
		Sea turtle			
		Sea dog			

Carousel

Image 1	Image ...	Image 5

Introduce some information marine life.

Footer
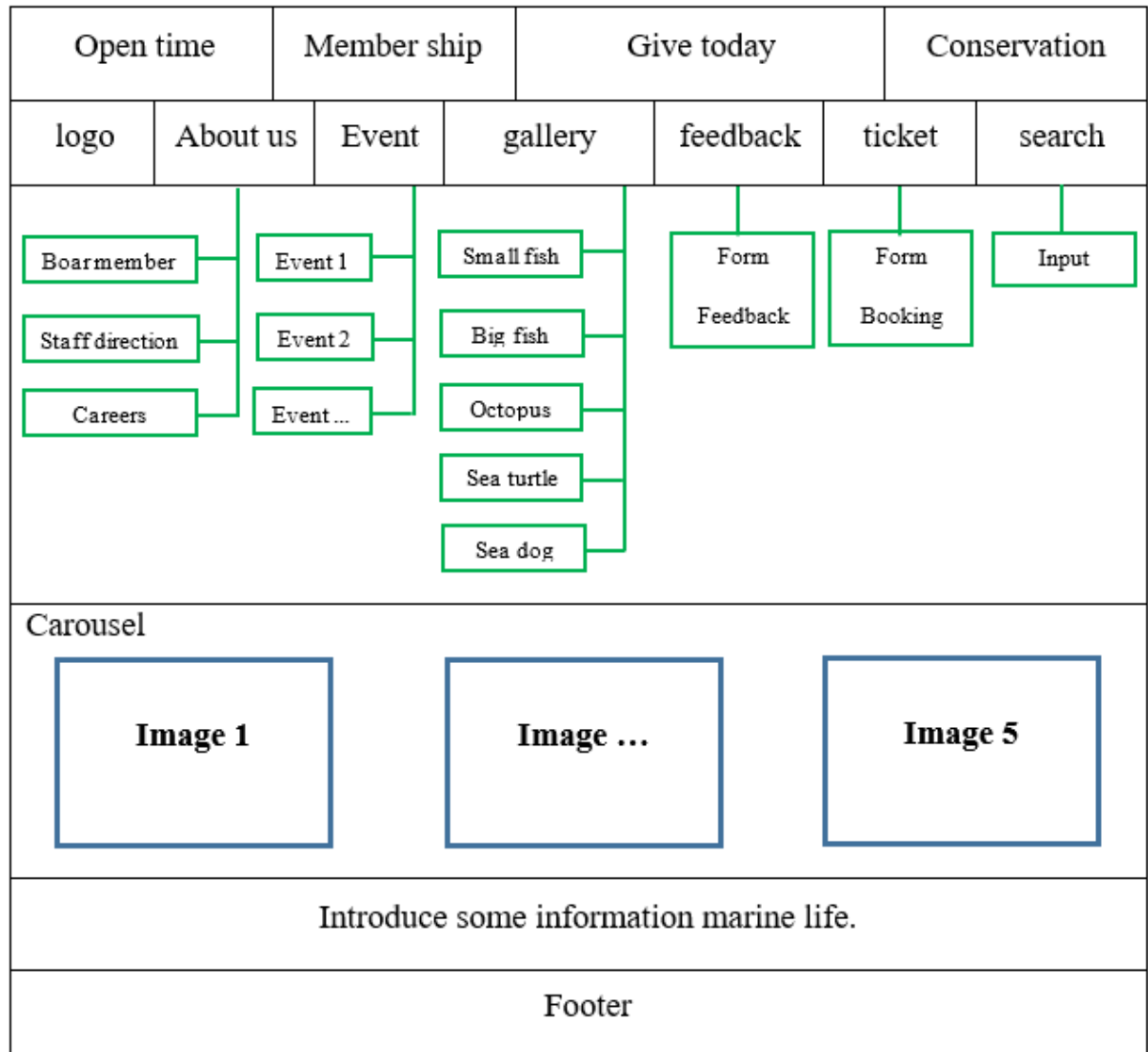
V. WEBSITE LAYOUTS

Here are our layouts which will show you how we brainstormed ideas for the aquarium's web pages. Because of being academic website, we tried to build them SIMPLE but USEFUL and INFORMATIVE as much as possible.

The website is going to have several pages which include different information in the same main layout.

Project Ref. No.	Project Title	Activity Plan Prepared by	Date of Preparation of Activity Plan			
Task			Actual Start Date	Actual Days	Teammate Names	Status
Create layouts for website base on group discussion ideas	Nexus Aquarius	D.The.Hien	07/09/2020	2	All members	Completed
Draw layouts using Paint	Nexus Aquarius	B.N.Hien.Minh P.Minh.Nhut	09/09/2020	2	All members	Completed
Write project report 1	Nexus Aquarius	P.Minh.Nhut	12/09/2020	3	All members	Completed
Homepage design and coding (include navigation bar and footer)	Nexus Aquarius	D.The.Hien B.N.Hien.Minh	14/09/2020	7	All members	Completed

Signature of Faculty	Signature of Leader Team

REVIEW 2

I. WEBSITE INTERFACE

a.   Homepage

Introduction to the aquarium includes: activity times, typical species of organisms, past story.
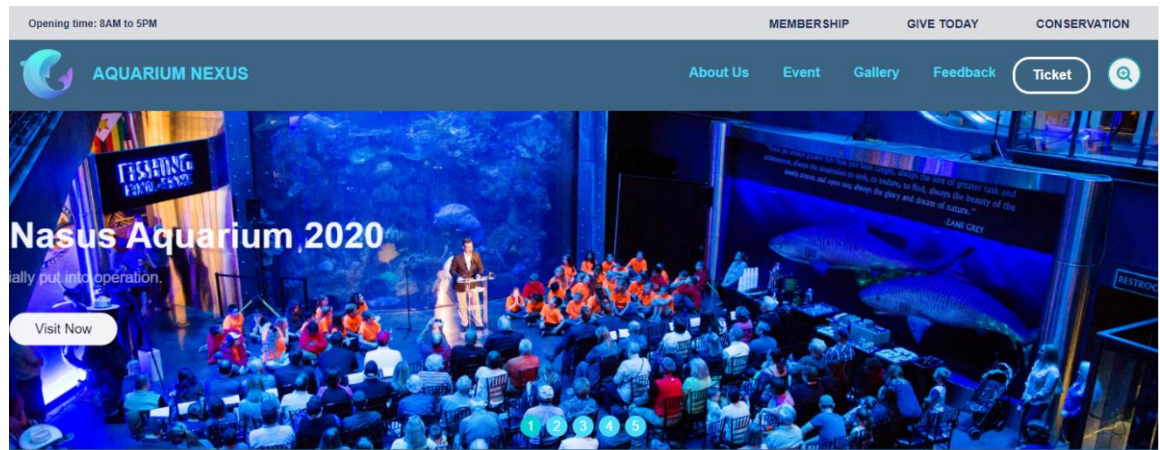
HEADER AND CAROUSEL
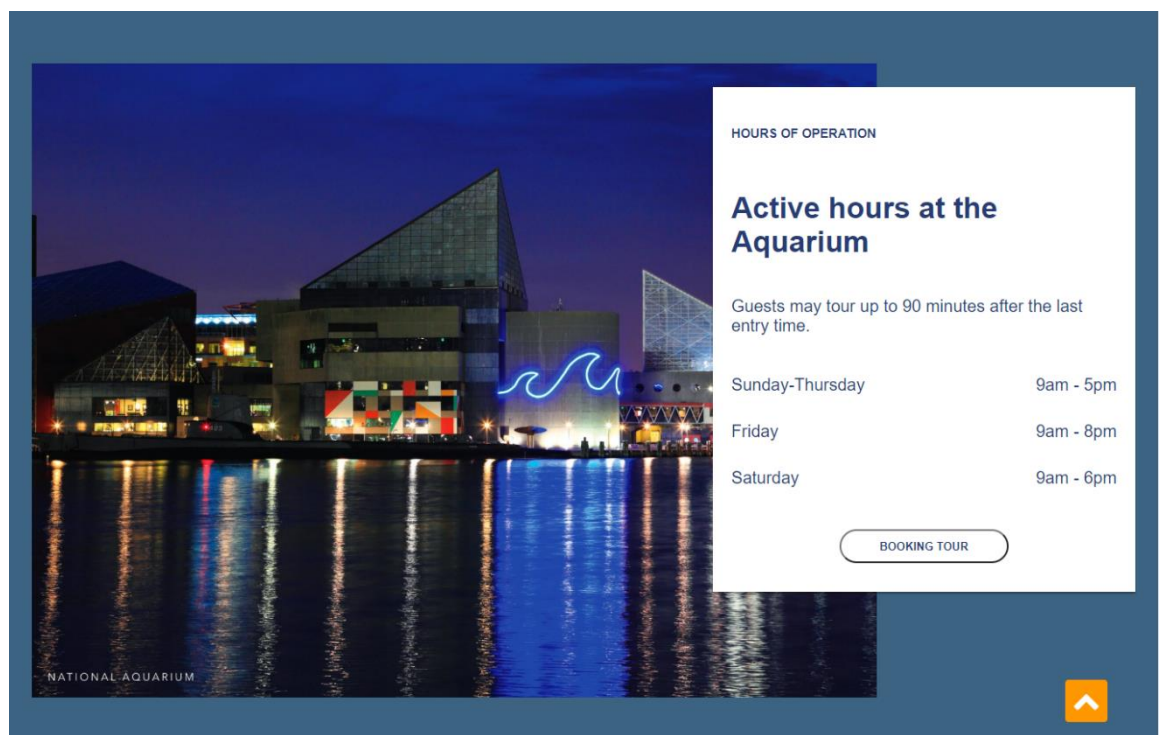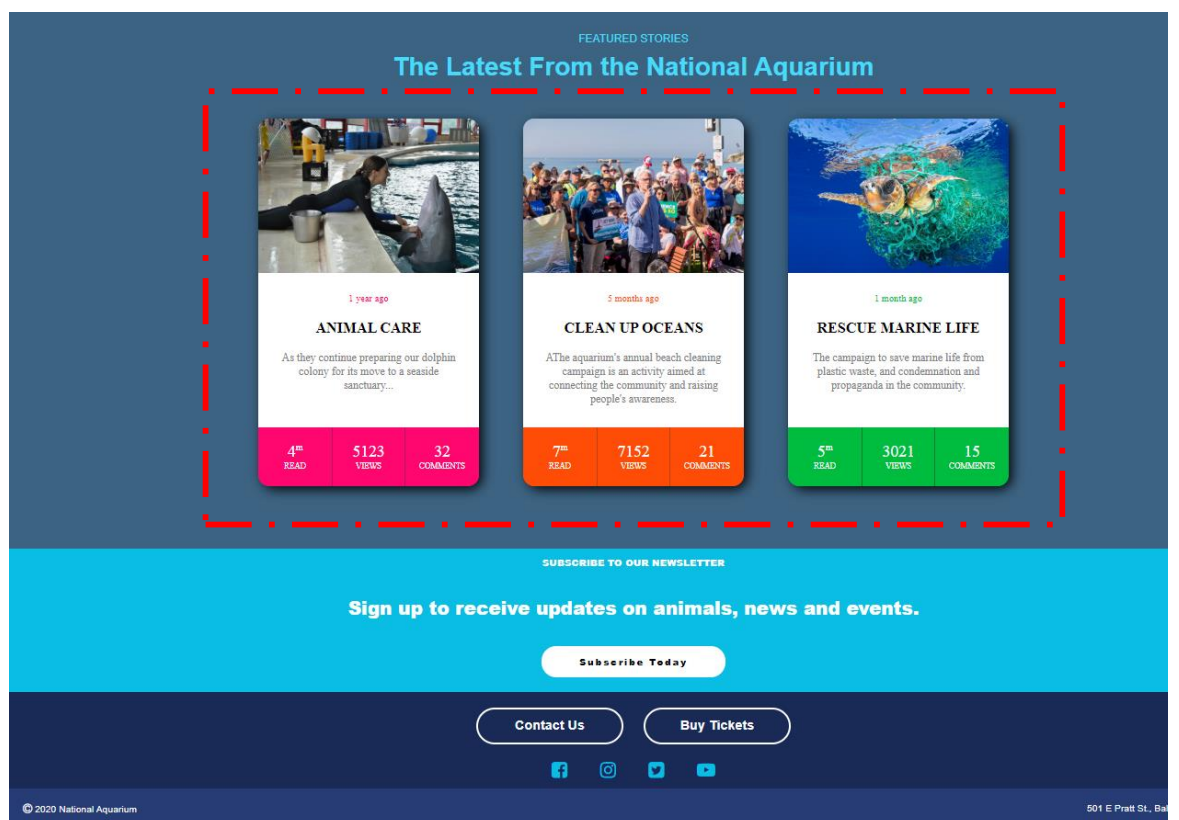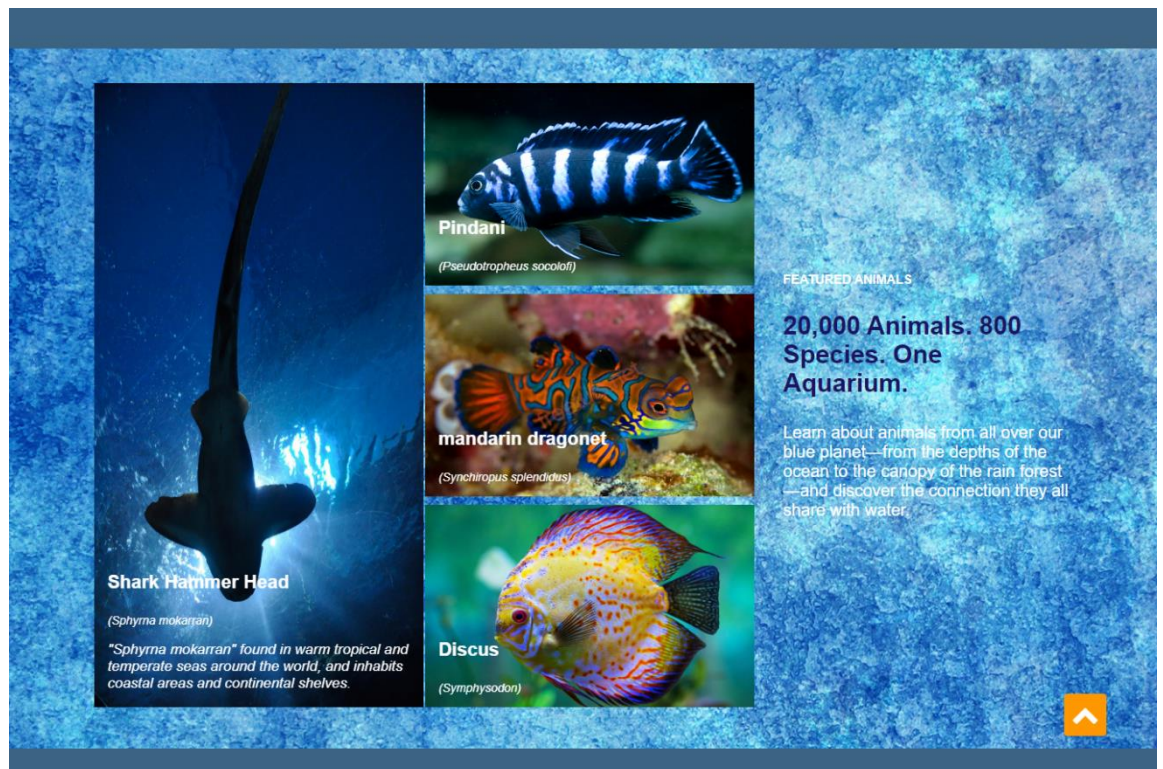
CONTENT OF HOMEPAGE AND FOOTER

These are 3 typical activities organized by the aquarium.
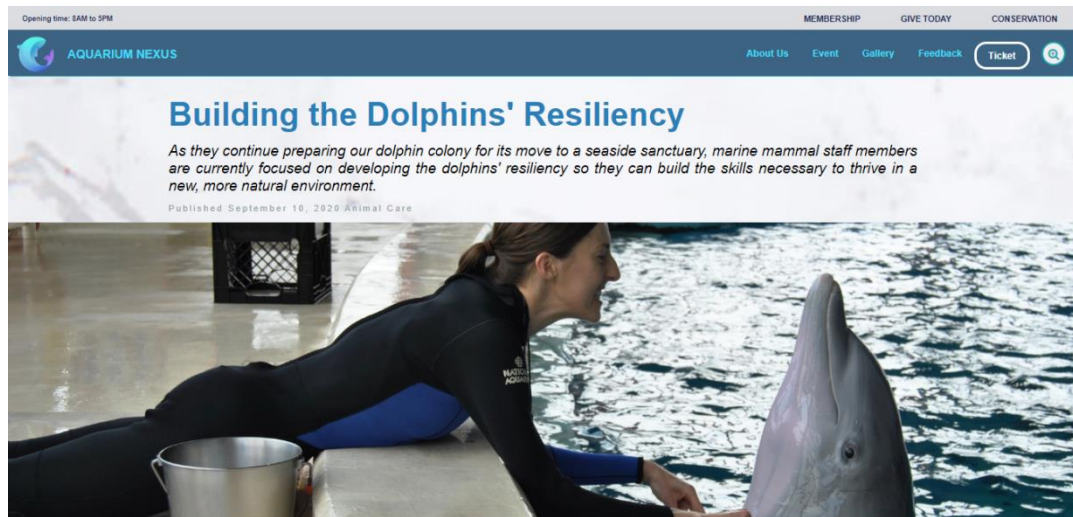
Story: Building the dolphin's resilency
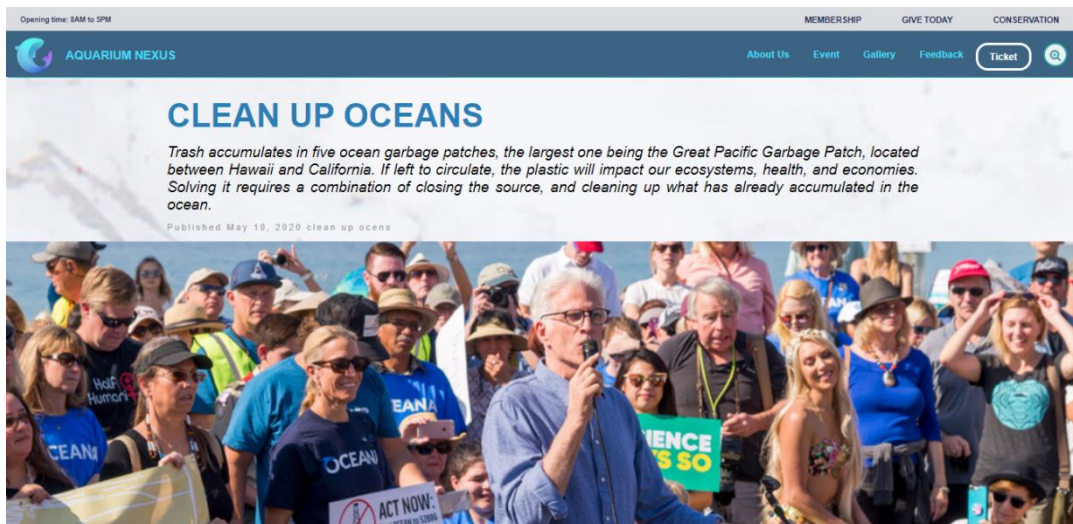
Story: clean up oceans

Story: Rescue marine life.

Title	Description
Contact us	- Aquarium's address with map, main contacts. - Phone number, mail… - Notice that you have successfully submitted or request additional missing information
Home	- Carousels which show some highlights and notification about aquarium. - Introduction about the active hours at the aquarium. - Introduction about featured animals at the aquarium. - The aquarium's recent volunteer activities. - Footer with different ways to contact u, address, booking..
About us	- Aquarium management and development team.
Gallery	- Introduction to the marine life in the aquarium: + Octopus. + Fish. + Seal + Sea turtle. - A tool to help search for marine species in the aquarium. - Detailed articles about animals in the gallery
Feedback	- It is improve service quality at the aquarium. - A rating form where users can rate their experience, or respond to what they wish to improve at the aquarium. - Notice that you have successfully submitted or request additional missing information
Ticket	- Online booking. - Notice that you have successfully submitted or request additional missing information
Responsive	- The web can be viewed on many mobile devices, laptops, tablets, and mobile (except for phones with very small size)

b. Contact Us page.

When you click to Contact Us link in the Homepage, this page below will
show you map and form contact to the aquarium with Geolocation API.

View in laptop

View in tablet

Contact Us

Email us and keep upto date with our latest news

📍 501 E Pratt St, Baltimore, MD 21202, USA

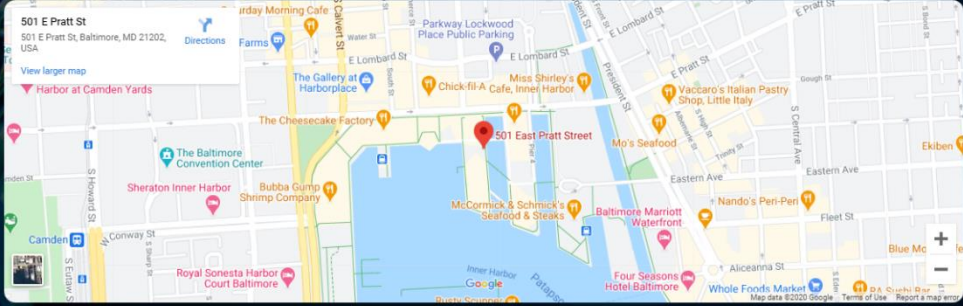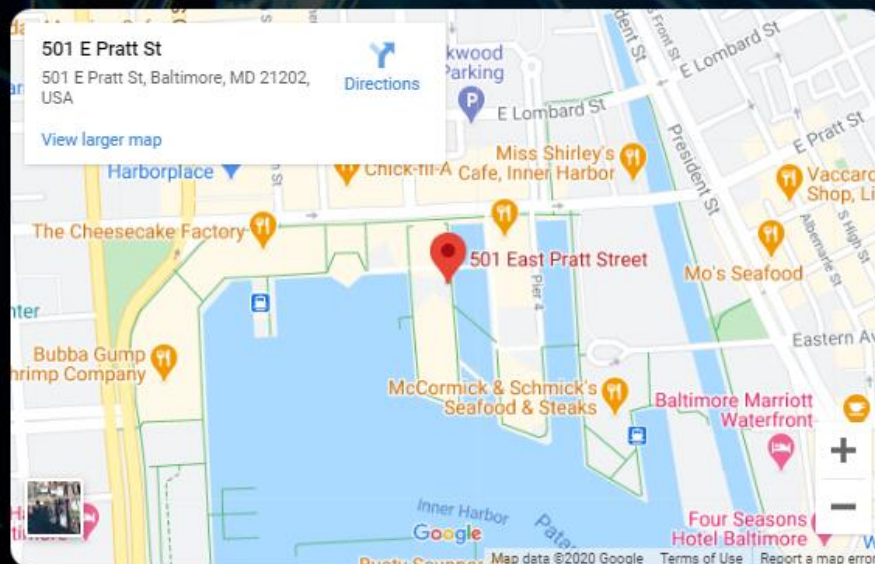📞 Phone No +84(028)38460846

✉️ Contact@NexusAquarium.com

First Name...

Last Name...

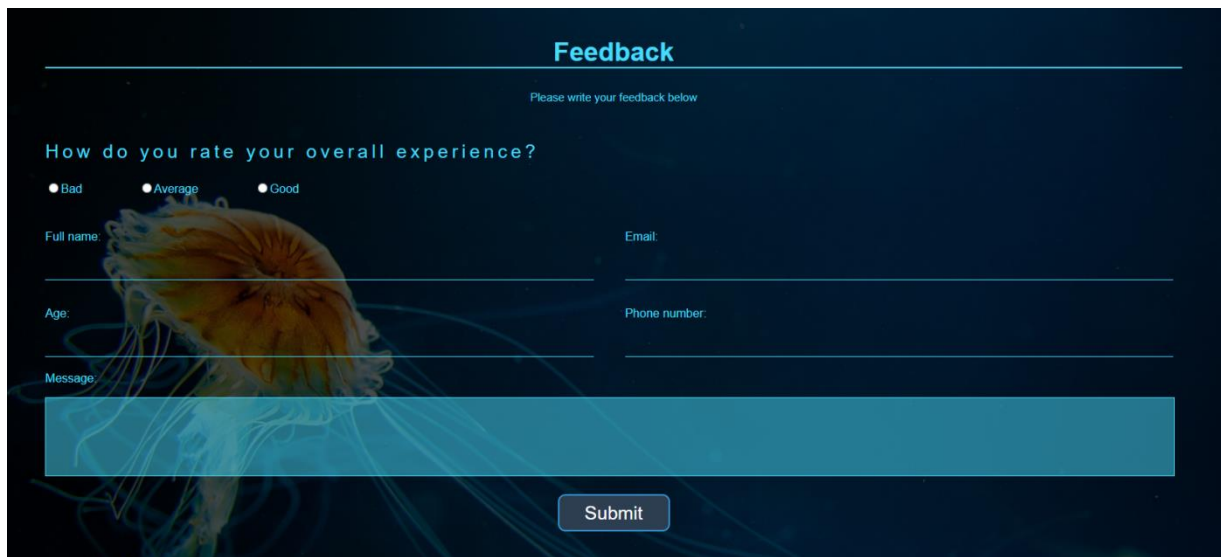⚠️ Please fill out this field.

Email...

Subject of this message...

Message...

Send Message

This page says

Message Sending Successfully!

OK

c. Feedback page.

View in laptop

View in tablet

Feedback

Please write your feedback below

How do you rate your overall experience?

● Bad   ● Average   ○ Good

Full name: Email:
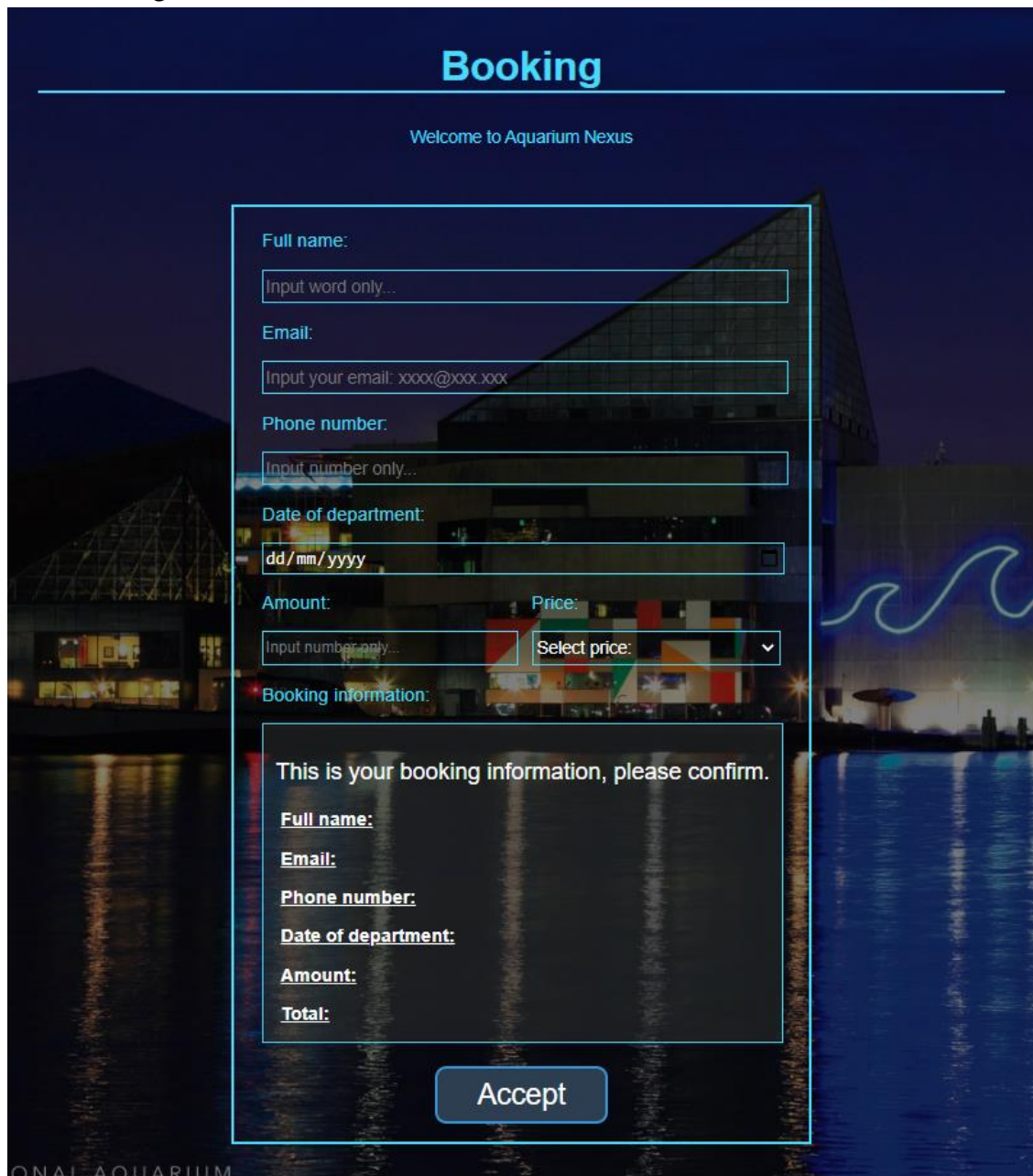
⚠ Please fill out this field.

Age: Phone number:

This page says

Feedback Sending Successfully!

OK

d. Ticket page.
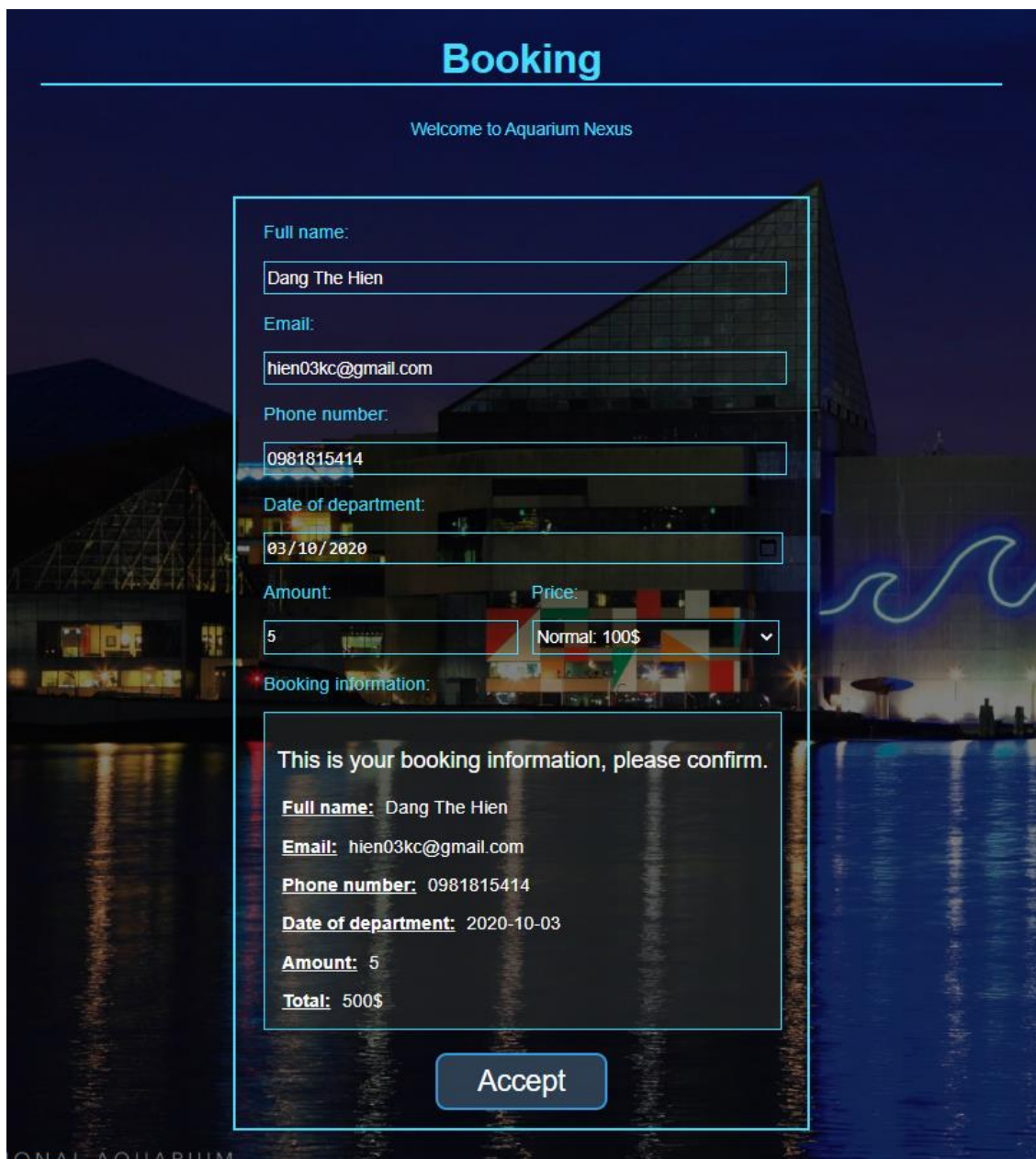
You can booking online here.

This is the booking interface

After you enter your information, we will inform you about the ticket you have just booked for your consideration before confirming.

Notifies you of all information at "Booking information"

Booking

Welcome to Aquarium Nexus

Full name:

Input word only...

! Please fill out this field.

Email:

Input your email: xxxx@xxx.xxx

Phone number:

Input number only...

Date of department:

mm/dd/yyyy

Amount: Price:

Input number only...   Select price:

This page says

The date of visit must be greater than to the current date

OK

09/29/2020

devilblood195.github.io says

You Successfully Purchased Ticket. Thanks!

OK

e. About us page.

The page shows you manager of aquarium.
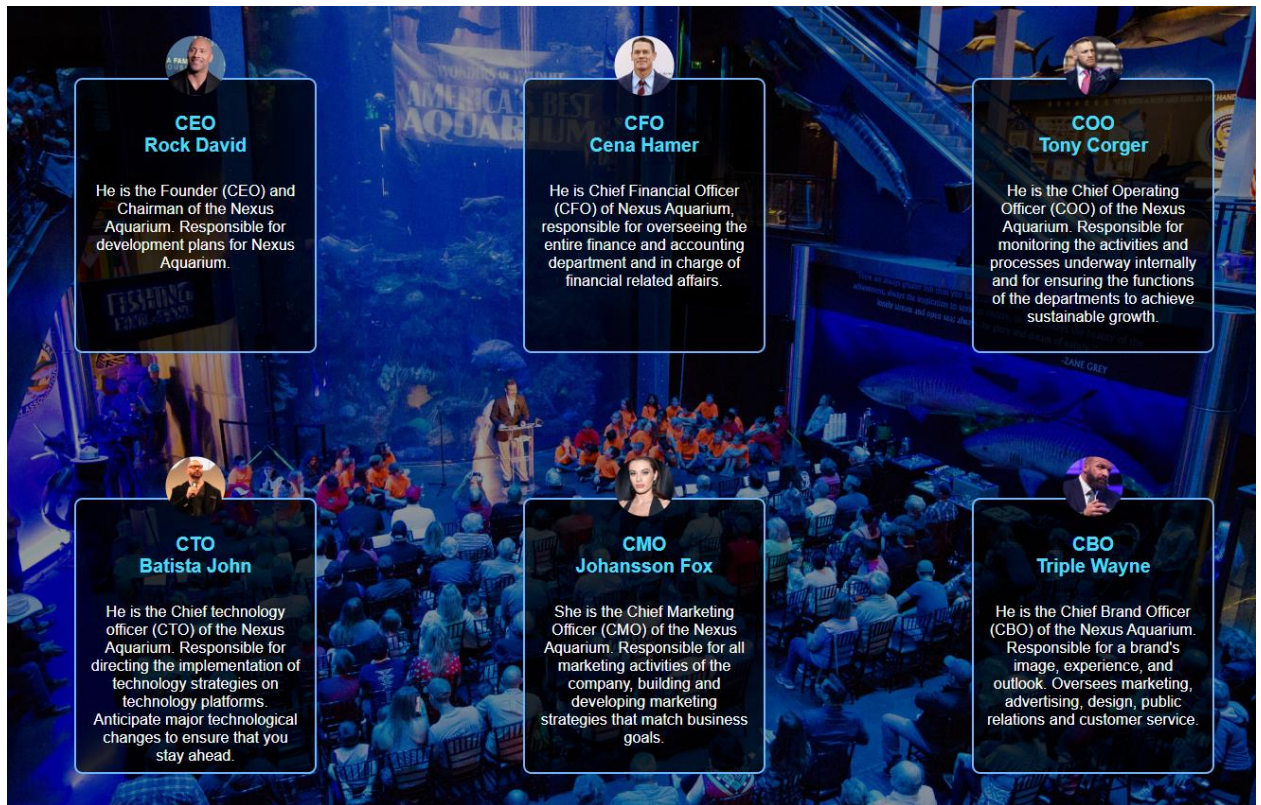
f. Gallery.

A library of marine life in the aquarium.
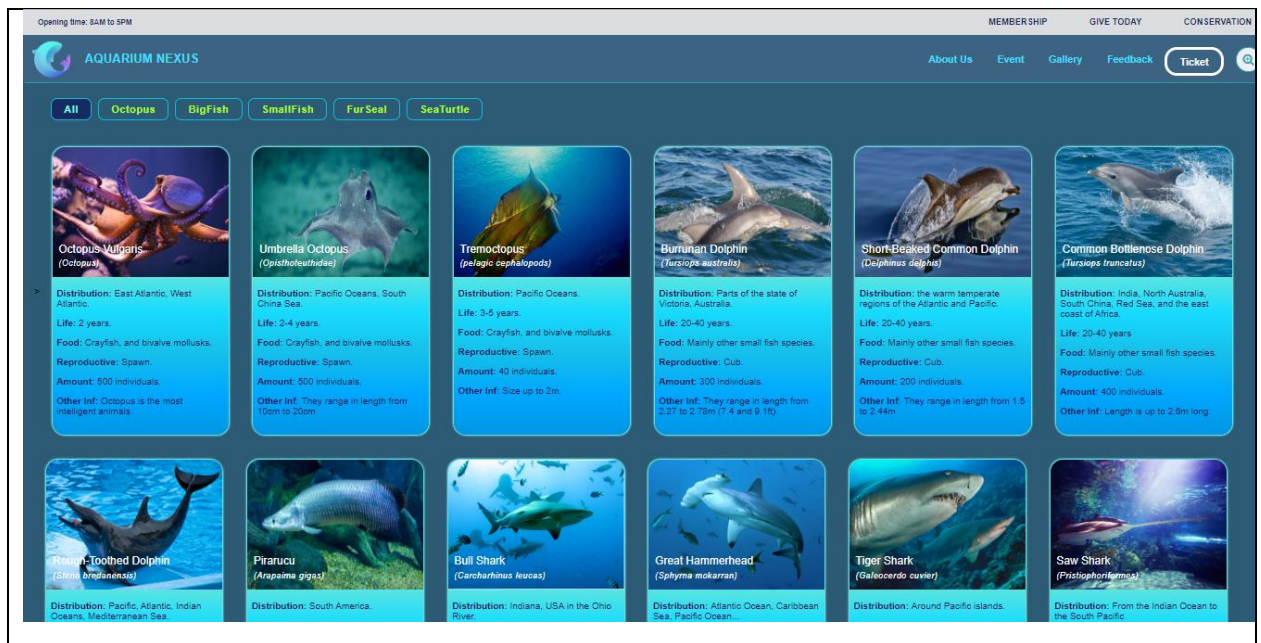
You have 2 methods of searching:

+ First method: search by species tags.
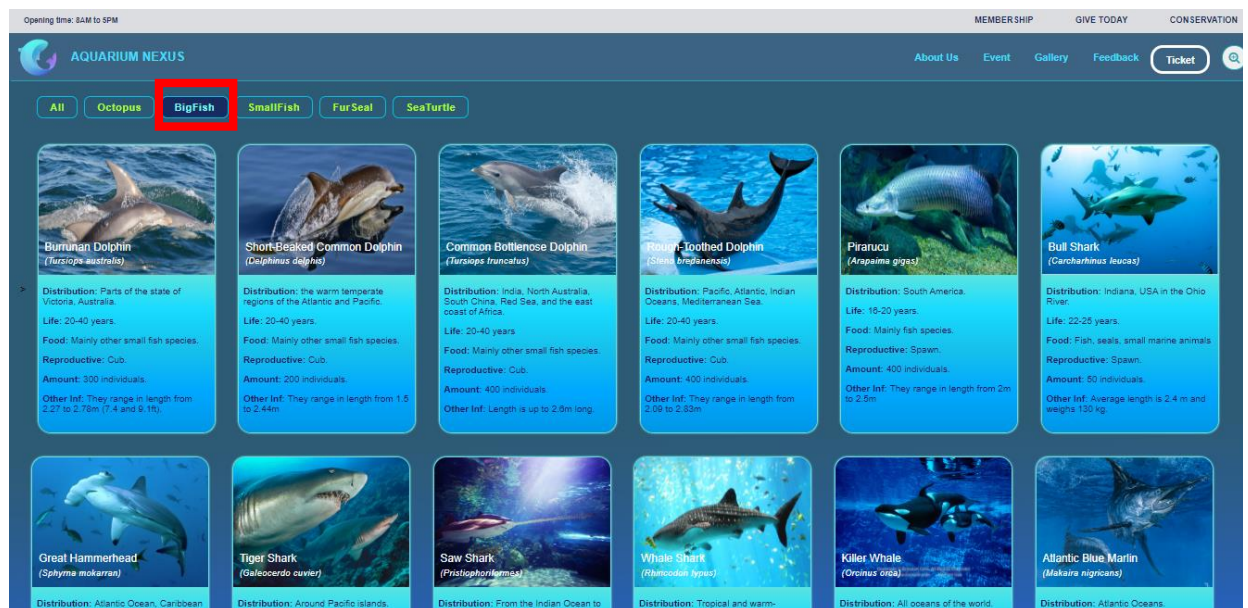
Search by species tags

+ Second method: search by input a keyword into the search bar.
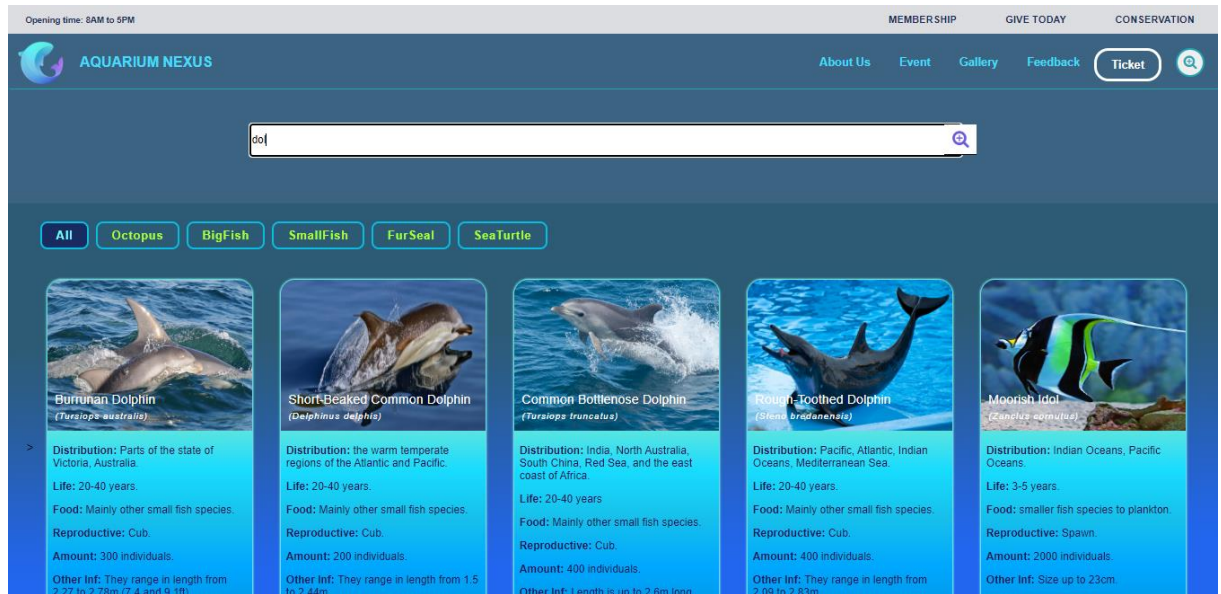
Search by input a keyword into the search bar.

Secon method uses searching string in a string.

You will go to another page to see a more user-friendly interface of marine species.
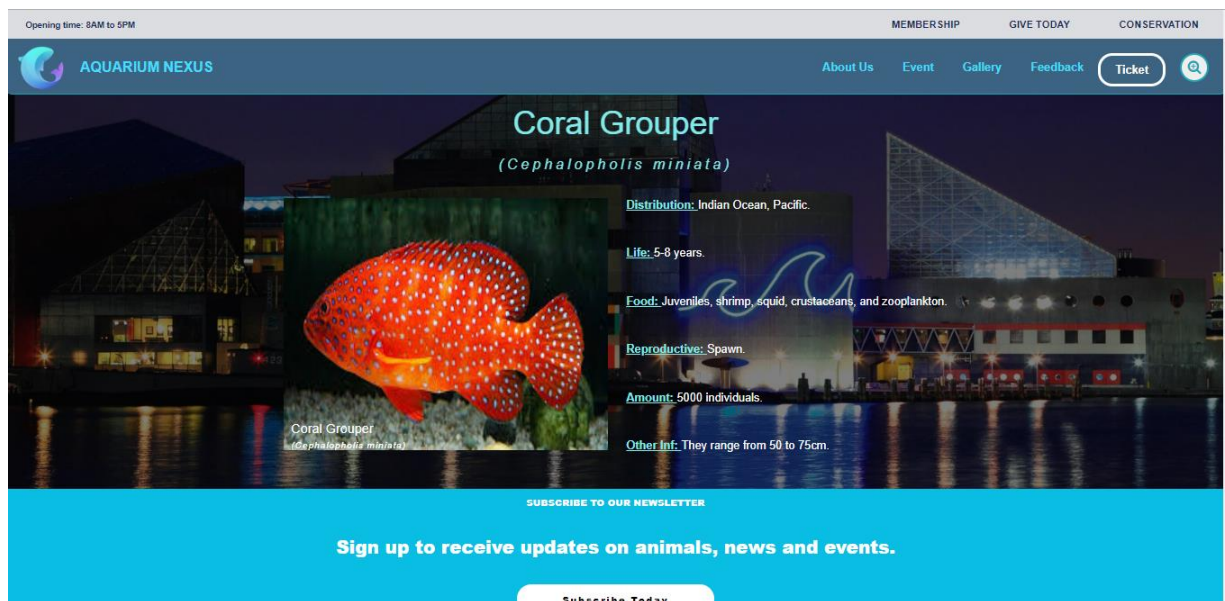
Marine life in friendly interface

II. TIME MANAGEMENT

STAGE 1 (Sep 5th – Sep 10th)

- Ideas dicussion.

- Create layouts for website

- search content for web.

- Write 1st report

STAGE 2 (Sep 11th – Sep 21th)

- Edit images, content.

- Build website with: html, css, js, jQuery.

- Test the required functions of the project.

- search content for web.

☐ East
☐ West
☐ North

STAGE 3 (Sep 22th – Oct 5th)

- Edit and complete website.

- Test in github and another monitor size.

- Adding a few extra functions.

- Write final report.

TASK SHEET 2

	Project Ref. No.		Activity Plan Prepared by	Date of Preparation of Activity Plan			
Sr. No	Task	Project Title		Actual Start Date	Actual Days	Team mate Names	Status
1	Design Homepage	NEXUS AQUARIUM	Hien Minh	16/9/2020	5	Hien Minh	Completed
2	Design Gallery page	NEXUS AQUARIUM	Hien	21/9/2020	3	Hien	Completed
3	Design Ticket page	NEXUS AQUARIUM	Hien	24/9/2020	1	Hien	Completed
4	Write content story, marine life.	NEXUS AQUARIUM	Hien	25/9/2020	2	Hien	Completed
5	Design Contact Us page and coding (include Geolocation API)	NEXUS AQUARIUM	Minh	21/9/2020	3	Minh	Completed
6	Design About us page	NEXUS AQUARIUM	Minh Nhut	24/9/2020	2	Hien Minh Nhut	Completed

7	Design Event page	NEXUS AQUARIUM	Minh	26/9/2020	2	Minh	Completed
8	Design Feedback page	NEXUS AQUARIUM	Nhut	25/9/2020	2	Hien Nhut	Completed
9	Group pages together with links and update information	NEXUS AQUARIUM	Hien Minh	27/09/2020	2	Hien Minh	Completed
10	Test website in different browsers	NEXUS AQUARIUM	Hien Minh	30/9/2020	3	Hien Minh	Completed

Signature of Faculty	Signature of Leader Team

CHECKLIST VALIDATION

Task No.	Requirement	Validation
1	The Home page must have well defined logo and image of the sea creatures.	Yes
2	Apart from home link, other links such as gallery section, certain information about animals (marine life animals) they have.	Yes
3	Contact details must be added. Address of the Company should be displayed using GeoLocation API (eg. GoogleMaps) and the email address which when clicked will invoke the local mail client from where they can send an email.	Yes
4	Events (separately for children) must be stated in the website with the proper schedule and details.	Yes
5	Online booking of event (Dummy page where information must be entered, and validation checking must be done)	Yes
6	Timing and location must be stated in the website. Location should be displayed using GeoLocation API (eg. GoogleMaps)	Yes
7	7/ Images of the aquarium location (site seeing must be included)	Yes
8	Navigation must be maintained smooth.	Yes
9	Color combination must be precise and uniformity must be maintained.	Yes
10	Categorization of the marine life animals and there different species information should be shown in tabular form.	Yes
11	Feedback form (dummy) should be provided.Each section must provide brief information.Feedback must be taken.	Yes

III. REFERRENCE

1. National Aquarium (NA)

   https://aqua.org/

2. Images, content.

   https://wallpapercrafter.com/index.php?do=search

   https://theoceancleanup.com/

   https://en.wikipedia.org/wiki/Main_Page

3. Design colors.

   https://flatuicolors.com/

4. Design css, js, jQuery.

   https://www.w3schools.com/

   https://www.youtube.com/