**Information about Marine World**

Name : G S SRENATH KUMAR Unique Id:E0120006

Students Team:

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Component Used are:

**Dolphine**

**Fishes**

**Grid-System**

**Intro**

**Main-Navbar**

**Nav-Drop**

**PagenotFound**

**Routing**

**Sharks**

**Code:**

**File 1:**

**app.component.html→**

**<div style="background-image: url('https://www.freecodecamp.org/news/content/images/2020/04/w-qjCHPZbeXCQ-unsplash.jpg');">**

**<main-navbar ></main-navbar>**

**<intro></intro>**

**<grid-sytem></grid-sytem>**

**<br>**

**<div style="text-align: center;">**

**<h1>Here is Sea Animals Family </h1>**

**<div style="text-align: center;">**

**<table border="3" class="center">**

**<tr>**

**<th>Sea Animals</th>**

**<th>Family</th>**

**<th>No.of Types</th>**

**</tr>**

**<!---mobileinfor is property, \*ngFor fethches the value of the property into table-->**

**<tr \*ngFor="let item of mobileinfo">**

**<td [style.color]="color"> {{item.name}}</td>**

**<td [style.color]="color">{{item.family}}</td>**

**<td [style.color]="color">{{item.types}}</td>**

**</tr>**

**</table>**

**<br>**

**<div style="text-align: center;">**

**<button (click)="updateColor()">Update color</button>**

**</div>**

**</div>**

**</div>**

**<br>**

**<routing></routing>**

**</div>**

**<router-outlet></router-outlet>**

**File 2:app.component.css**

table, th, td {

border: 1px solid black;

border-collapse: collapse;

}

table.center {

margin-left: auto;

margin-right: auto;

}

**File3:app-routing.module.ts:**

import { NgModule } from '@angular/core';

import { RouterModule, Routes } from '@angular/router';

import { DolphineComponent } from './dolphine/dolphine.component';

import { FishesComponent } from './fishes/fishes.component';

import { PagenotfoundComponent } from './pagenotfound/pagenotfound.component';

import { SharksComponent } from './sharks/sharks.component';

const routes: Routes = [

{path: "fishes",component:FishesComponent},

{path:"sharks",component:SharksComponent},

{path:"dolphine",component:DolphineComponent},

{path:"pagenotfound",component:PagenotfoundComponent}

];

@NgModule({

imports: [RouterModule.forRoot(routes)],

exports: [RouterModule]

})

export class AppRoutingModule { }

export const routingComponents=[FishesComponent,SharksComponent,DolphineComponent,PagenotfoundComponent]

**File 4:app.component.spec.ts**

import { TestBed } from '@angular/core/testing';

import { RouterTestingModule } from '@angular/router/testing';

import { AppComponent } from './app.component';

describe('AppComponent', () => {

beforeEach(async () => {

await TestBed.configureTestingModule({

imports: [

RouterTestingModule

],

declarations: [

AppComponent

],

}).compileComponents();

});

it('should create the app', () => {

const fixture = TestBed.createComponent(AppComponent);

const app = fixture.componentInstance;

expect(app).toBeTruthy();

});

it(`should have as title 'level3'`, () => {

const fixture = TestBed.createComponent(AppComponent);

const app = fixture.componentInstance;

expect(app.title).toEqual('level3');

});

it('should render title', () => {

const fixture = TestBed.createComponent(AppComponent);

fixture.detectChanges();

const compiled = fixture.nativeElement;

expect(compiled.querySelector('.content span').textContent).toContain('level3 app is running!');

});

});

**File 5:app.component.ts:**

import { Component } from '@angular/core';

@Component({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class AppComponent {

title = 'level3';

mobileinfo = [

{

name: 'Whales',

family:'Selachimorpha',

types:"24"},

{

name:'Dolphins',

family:'Delphinidae',

types:"45"},

{

name:'Crocodiles',

family:'Crocodylidae',

types:'19'

},

{

name:'Turtles',

family:'amniotes',

types:"25"},

{

name:'Snakes',

family:'Animalia',

types:"115"},

{

name:'Sea Lions',

family:'Eared seal',

types:"78"},

{

name:'Rays',

family:'Batoidea',

types:"156"},

]

color='darkblue';

updateColor()

{

this.color="black"

}

}

**File 6:app.module.ts**

import { NgModule } from '@angular/core';

import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule ,routingComponents} from './app-routing.module';

import { AppComponent } from './app.component';

import { MainNavbarComponent } from './main-navbar/main-navbar.component';

import {NgbModule} from "@ng-bootstrap/ng-bootstrap";

import { CoursesComponent } from './courses/courses.component';

import { ResultsComponent } from './results/results.component';

import { NavDropComponent } from './nav-drop/nav-drop.component';

import { RoutingComponent } from './routing/routing.component';

import { IntroComponent } from './intro/intro.component';

import { GridSytemComponent } from './grid-sytem/grid-sytem.component';

import { PagenotfoundComponent } from './pagenotfound/pagenotfound.component';

import { StructuralDirectiveComponent } from './structural-directive/structural-directive.component';

import { StructComponent } from './struct/struct.component';

@NgModule({

declarations: [

AppComponent,

MainNavbarComponent,

CoursesComponent,

ResultsComponent,

NavDropComponent,

routingComponents,

RoutingComponent,

IntroComponent,

GridSytemComponent,

PagenotfoundComponent,

StructuralDirectiveComponent,

StructComponent

],

imports: [

BrowserModule,

AppRoutingModule,

NgbModule

],

providers: [],

bootstrap: [AppComponent]

})

export class AppModule { }

**File 7:dolphine.component.html**

<h2 style="text-align:center;" ><span style="color: red">DOLPHINS</span></h2>

<div style="text-align: center;">

<img src="https://images2.minutemediacdn.com/image/upload/c\_crop,h\_1778,w\_3155,x\_0,y\_843/v1554928552/shape/mentalfloss/540093-istock-514343279.jpg?itok=isS-TJcM" alt="https://en.wikipedia.org/wiki/Sea\_lion" style="width:250px">

</div>

<p style="text-align:center">Dolphin is the common name of aquatic mammals within

the infraorder Cetacea. The term dolphin usually refers to the extant families Delphinidae

(the oceanic dolphins), Platanistidae (the Indian river dolphins), named Iniidae (the New

World river dolphins), and Pontoporiidae (the brackish dolphins), and the extinct Lipotidae

(baiji or Chinese river dolphin). There are 40 extant species named as dolphins.

Dolphins can range in size from the relatively small 1.7-metre-long (5 ft 7 in) long

and 50-kilogram (110-pound) bodied Maui's dolphin to the 9.5 m (31 ft 2 in) and 10-tonne

(11-short-ton) killer whale. Several species exhibit sexual dimorphism, in that the males

are larger than females. They have streamlined bodies and two limbs that are modified into

flippers. Though not quite as flexible as seals, some dolphins can travel at speeds 29 km/h

(18 mph) for short distances. Dolphins use their conical shaped teeth to capture fast moving

prey. They have well-developed hearing which is adapted for both air and water and is so well

developed that some can survive even if they are blind. Some species are well adapted for diving

to great depths. They have a layer of fat, or blubber, under the skin to keep warm in the cold

water.</p>

**File8:dolphine.component.css**

img {

border-radius: 60%;

}

**File9:dolphine.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { DolphineComponent } from './dolphine.component';

describe('DolphineComponent', () => {

let component: DolphineComponent;

let fixture: ComponentFixture<DolphineComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ DolphineComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(DolphineComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 10:dolphine.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'app-dolphine',

templateUrl: './dolphine.component.html',

styleUrls: ['./dolphine.component.css']

})

export class DolphineComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**File11:fishes.component.html**

<h2 style="text-align:center;" ><span style="color: green">FISHES</span></h2>

<div style="text-align: center;">

<img src="https://images.unsplash.com/photo-1535591273668-578e31182c4f?ixlib=rb-1.2.1&q=80&fm=jpg&crop=entropy&cs=tinysrgb&w=1080&fit=max&ixid=eyJhcHBfaWQiOjM2NTI5fQ" alt="https://en.wikipedia.org/wiki/Sea\_lion" style="width:250px">

</div>

<p style="text-align:center">Fish are aquatic, craniate, gill-bearing animals that lack limbs

with digits. They form a sister group to the tunicates, together forming the olfactores. Included

in this definition are the living hagfish, lampreys, and cartilaginous and bony fish as well as

various extinct related groups. Around 99% of living fish species are ray-finned fish, belonging

to the class Actinopterygii, with over 95% belonging to the teleost subgrouping.

The earliest organisms that can be classified as fish were soft-bodied chordates that first

appeared during the Cambrian period. Although they lacked a true spine, they possessed notochords

which allowed them to be more agile than their invertebrate counterparts. Fish would continue to

evolve through the Paleozoic era, diversifying into a wide variety of forms. Many fish of the

Paleozoic developed external armor that protected them from predators. The first fish with jaws

appeared in the Silurian period, after which many (such as sharks) became formidable marine predators

rather than just the prey of arthropods.</p>

**File 12:fishes.component.css**

img {

border-radius: 60%;

}

**File 13:fishes.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { FishesComponent } from './fishes.component';

describe('FishesComponent', () => {

let component: FishesComponent;

let fixture: ComponentFixture<FishesComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ FishesComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(FishesComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File14:fishes.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'app-fishes',

templateUrl: './fishes.component.html',

styleUrls: ['./fishes.component.css']

})

export class FishesComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

File 15:grid-sytem.component.html

<h2 class="text-center my-3">LIFE EXTINCT OF THE SEA ANIMALS</h2>

<div class="text-center">DEATH GREATER THAN 1 MILLION(10 LAKHS) PER YEAR</div>

<div class="container mt-3">

<div class="row">

<div class="col-8 bg-success">FISHES:60%</div>

<div class="col-4 bg-warning">LD Ratio:6:4</div>

</div>

<br>

<div class="row">

<div class="col-3 bg-success">SHARKS:40%</div>

<div class="col-9 bg-warning">LD Ratio:7:3</div>

</div>

<br>

<div class="row">

<div class="col-7 bg-success">DOLPHINS=65%</div>

<div class="col-5 bg-warning">LD Ratio:7:3</div>

</div>

<br>

<div class="row">

<div class="col-3 bg-success">REPTILES=23%</div>

<div class="col-9 bg-warning">LD Ratio:5:5</div>

</div>

</div>

**File 16:grid-sytem.component.css**

.content{

padding: 15px;

font-size: 18px;

background: #5ec40c;

margin-bottom: 15px;

}

**File 17:grid-sytem.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { GridSytemComponent } from './grid-sytem.component';

describe('GridSytemComponent', () => {

let component: GridSytemComponent;

let fixture: ComponentFixture<GridSytemComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ GridSytemComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(GridSytemComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 18:grid-sytem.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'grid-sytem',

templateUrl: './grid-sytem.component.html',

styleUrls: ['./grid-sytem.component.css']

})

export class GridSytemComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**File 19:intro.component.html**

<br>

<h1 style="text-align:center;" ><span style="color: powderblue">MARINE WORLD</span></h1>

<nav-drop></nav-drop>

<br>

<br>

<h3 style="text-align:center;" ><span style="color: rgb(51, 255, 0)">SEA LIFE SOCIETY</span></h3>

<p style="background-color:powderblue;">We invite you to explore the depths of MarineBio and find out about marine species, ocean conservation, research,

and 101+ Ways to Make a Difference Today. Make your voice heard by contacting us or participating in any of our social

networking sites: Instagram, Facebook, Twitter, Pinterest, etc. Together our efforts are making the difference needed so

that our ocean’s many wonderful species (including us) will be able to thrive and survive.MarineBio is an ever-evolving

tribute to all ocean life that has been a central source online for the latest information concerning marine life and its

biology, and especially its conservation, since 1998..</p>

**File 20:intro.component.css**

**No data needed for the output**

**File 21:intro.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { IntroComponent } from './intro.component';

describe('IntroComponent', () => {

let component: IntroComponent;

let fixture: ComponentFixture<IntroComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ IntroComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(IntroComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 22:intro.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'intro',

templateUrl: './intro.component.html',

styleUrls: ['./intro.component.css']

})

export class IntroComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**File 23:main-navbar.component.html**

<nav class="navbar navbar-expand-lg fixed-top navbar-dark bg-dark" aria-label="Main navigation">

<div class="container-fluid">

<a class="navbar-brand" href="https://en.wikipedia.org/wiki/Marine\_World">Marine World System</a>

<button class="navbar-toggler p-0 border-0" type="button" data-bs-toggle="offcanvas" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="navbar-collapse offcanvas-collapse" id="navbarsExampleDefault">

<ul class="navbar-nav me-auto mb-2 mb-lg-0">

<li class="nav-item">

<a class="nav-link active" aria-current="page" href="https://www.marinebio.org/">Home Page</a>

</li>

<li class="nav-item">

<a class="nav-link active" aria-current="page" routerLink="/pagenotfound" routerLinkActive="active">Photo Galleries</a>

</li>

<li class="nav-item">

<a class="nav-link" href="https://www.marinebio.org/oceans/history/">History of the Ocean</a>

</li>

<li class="nav-item">

<a class="nav-link" href="https://www.marinebio.org/conservation/ocean-dumping/">Ocean Pollution</a>

</li>

<li ngbDropdown class="nav-item dropdown ">

<a ngbDropdownToggle class="nav-link dropdown-toggle" href="#" id="dropdown01" data-bs-toggle="dropdown" aria-expanded="false">Species/Search</a>

<ul ngbDropdownMenu class="dropdown-menu " aria-labelledby="dropdown01">

<li><a class="dropdown-item " href="https://www.marinebio.org/search/?pg=1&ob=title">Birds</a></li>

<li><a class="dropdown-item" routerLink="/fishes" routerLinkActive="active">Fishes</a></li>

<li><a class="dropdown-item" href="https://www.marinebio.org/search/?pg=1&ob=title">Reptiles</a></li>

<li><a class="dropdown-item" href="https://www.marinebio.org/search/?pg=1&ob=title">Sea Lions</a></li>

<li><a class="dropdown-item" href="https://www.marinebio.org/search/?pg=1&ob=title">Seals</a></li>

<li><a class="dropdown-item" routerLink="/sharks" routerLinkActive="active">Sharks</a></li>

<li><a class="dropdown-item" routerLink="/dolphine" routerLinkActive="active">Dolphins</a></li>

</ul>

</li>

</ul>

</div>

</div>

</nav>

<div class="nav-scroller bg-body shadow-sm">

<nav class="nav nav-underline" aria-label="Secondary navigation">

<a class="nav-link active" aria-current="page" href="#">Dashboard</a>

<a class="nav-link" href="#">

Friends

<span class="badge bg-light text-dark rounded-pill align-text-bottom">27</span>

</a>

<a class="nav-link" href="#">Explore</a>

<a class="nav-link" href="#">Suggestions</a>

<a class="nav-link" href="#">Link</a>

<a class="nav-link" href="#">Link</a>

<a class="nav-link" href="#">Link</a>

<a class="nav-link" href="#">Link</a>

<a class="nav-link" href="#">Link</a>

</nav>

</div>

**File 24:main-navbar.component.css**

**No data needed for output**

**File 25:main-navbar.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { MainNavbarComponent } from './main-navbar.component';

describe('MainNavbarComponent', () => {

let component: MainNavbarComponent;

let fixture: ComponentFixture<MainNavbarComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ MainNavbarComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(MainNavbarComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 26:main-navbar.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'main-navbar',

templateUrl: './main-navbar.component.html',

styleUrls: ['./main-navbar.component.css']

})

export class MainNavbarComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**File 27:nav-drop.component.html**

<div class="navBAR">

<ul>

<li><a href="https://en.wikipedia.org/wiki/Seabird"> SEA BIRDS </a>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Caspian\_tern">CASPIAN TERN</a></li>

<li><a href="https://en.wikipedia.org/wiki/Heermann%27s\_gull">HEERMANN'S GULL</a></li>

<li><a href="https://en.wikipedia.org/wiki/Great\_blue\_heron">GREAT BLUE HERON</a></li>

<li><a href="https://en.wikipedia.org/wiki/Great\_white\_pelican">GREAT WHITE PELICAN</a></li>

</ul>

</ul>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Fishes"> SEA FISHES </a>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Salmon">SALMON</a></li>

<li><a href="https://en.wikipedia.org/wiki/Cod">COD</a></li>

<li><a href="https://en.wikipedia.org/wiki/Herring">HERRING</a></li>

<li><a href="https://en.wikipedia.org/wiki/Rainbow\_trout">RAINBOW TROUT</a></li>

</ul>

</ul>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Reptile"> SEA REPTILES </a>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Sea\_turtle">SEA TURTLES</a></li>

<li><a href="https://en.wikipedia.org/wiki/Crocodile">CROCODILES</a></li>

<li><a href="https://en.wikipedia.org/wiki/Dinosaur">DINOSAURS</a></li>

<li><a href="https://en.wikipedia.org/wiki/Snake">SNAKES</a></li>

</ul>

</ul>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Sea\_lion"> SEA LIONS </a>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Sea\_lion">PACIFIC POINT PRESERVE</a></li>

<li><a href="https://en.wikipedia.org/wiki/Sea\_lion">SEA COVE LION</a></li>

</ul>

</ul>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Shark"> SEA SHARKS </a>

<ul>

<li><a href="https://en.wikipedia.org/wiki/Hammerhead\_shark">GREAT WHITE SHARK</a></li>

<li><a href="https://en.wikipedia.org/wiki/Whale\_shark">WHALE SHARK</a></li>

<li><a href="https://en.wikipedia.org/wiki/Hammerhead\_shark">HAMMERHEAD SHARK</a></li>

<li><a href="https://en.wikipedia.org/wiki/Tiger\_shark">TIGER SHARK</a></li>

</ul>

</ul>

</div>

**File 28:nav-drop.component.css**

@charset "utf-8";

body{background-color:#FCFFFE;}

.navBAR{

margin:0 auto;

width:1080px;

}

.navBAR ul{

padding:0px;

}

.navBAR ul li{

float:left;

margin: 1px;

position:relative; /\*--\*/

border: solid 1px red;

border-radius: 5px;

list-style-type:none;

background-color:red;;

}

.navBAR ul li a{

text-decoration:none;

color:white;

padding:5px;

font-weight:bolder;

display: block;

width:200px;

text-align:center;

}

.navBAR ul li ul {

position:absolute; /\*Trick here go down all li vertical..\*/

visibility:hidden;

}

.navBAR ul li:hover ul{

visibility: visible;/\*the magic happen here\*/

}

.navBAR ul li:hover{

background-color:lightblue;; /\*change bg when hove over each liste item.\*/

}

.navBAR ul li ul li a:hover{

background-color:aqua;

}

.navBAR ul li a:hover{

color:blue;}

**File 29 nav-drop.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { NavDropComponent } from './nav-drop.component';

describe('NavDropComponent', () => {

let component: NavDropComponent;

let fixture: ComponentFixture<NavDropComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ NavDropComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(NavDropComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 30:nav-drop.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'nav-drop',

templateUrl: './nav-drop.component.html',

styleUrls: ['./nav-drop.component.css']

})

export class NavDropComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**File 31: pagenotfound.component.html**

<div class="row">

<div class="col-md-12">

<div class="error-template">

<h1>

Oops!</h1>

<h2>

404 Not Found</h2>

<div class="error-details">

Sorry, an error has occured, Requested page not found!

</div>

<div class="error-actions">

<a routerLink="" class="btn btn-primary btn-lg"><span class="glyphicon glyphicon-home"></span>

Take Me Home </a>

</div>

</div>

</div>

</div>

**File 32:pagenotfound.component.css:**

**No data required for the output**

**File 33:pagenotfound.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { PagenotfoundComponent } from './pagenotfound.component';

describe('PagenotfoundComponent', () => {

let component: PagenotfoundComponent;

let fixture: ComponentFixture<PagenotfoundComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ PagenotfoundComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(PagenotfoundComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 34:pagenotfound.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'app-pagenotfound',

templateUrl: './pagenotfound.component.html',

styleUrls: ['./pagenotfound.component.css']

})

export class PagenotfoundComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**File 35:routing.component.html**

<div style="text-align: center;">

<h1>Short Note on Selective Animals

</h1>

</div>

<div style="text-align: center;">

<nav>

<a routerLink="/fishes" routerLinkActive="active">Fishes</a>

<a routerLink="/sharks" routerLinkActive="active">Sharks</a>

<a routerLink="/dolphine" routerLinkActive="active">Dolphins</a>

</nav>

</div>

**File 36:routing.component.css**

h1 {

color: #369;

font-family: Arial, Helvetica, sans-serif;

font-size: 250%;

}

h2, h3 {

color: #444;

font-family: Arial, Helvetica, sans-serif;

font-weight: lighter;

}

body {

margin: 2em;

}

body, input[text], button {

color: #888;

font-family: Cambria, Georgia;

}

a {

cursor: pointer;

cursor: hand;

}

button {

font-family: Arial;

background-color: #eee;

border: none;

padding: 5px 10px;

border-radius: 4px;

cursor: pointer;

cursor: hand;

}

button:hover {

background-color: #cfd8dc;

}

button:disabled {

background-color: #eee;

color: #aaa;

cursor: auto;

}

/\* Navigation link styles \*/

nav a {

padding: 5px 10px;

text-decoration: none;

margin-top: 10px;

display: inline-block;

background-color: #eee;

border-radius: 4px;

}

nav a:visited, a:link {

color: #607D8B;

}

nav a:hover {

color: #039be5;

background-color: #CFD8DC;

}

nav a.active {

color: #039be5;

}

/\* items class \*/

.items {

margin: 0 0 2em 0;

list-style-type: none;

padding-left: 0;

width: 10em;

}

.items li {

cursor: pointer;

position: relative;

left: 0;

background-color: #EEE;

margin: .5em;

padding: .3em;

height: 1.6em;

border-radius: 4px;

}

.items li:hover {

color: #607D8B;

background-color: #DDD;

left: .1em;

}

.items li.selected:hover {

background-color: #BBD8DC;

color: white;

}

.items .text {

position: relative;

top: -3px;

}

.items li {

cursor: pointer;

position: relative;

left: 0;

background-color: #EEE;

margin: .5em;

padding: .3em;

height: 1.6em;

border-radius: 4px;

}

.items .badge {

display: inline-block;

font-size: small;

color: white;

padding: 0.8em 0.7em 0 0.7em;

background-color: #607D8B;

line-height: 1em;

position: relative;

left: -1px;

top: -4px;

height: 1.8em;

margin-right: .8em;

border-radius: 4px 0 0 4px;

}

.items li.selected {

background-color: #CFD8DC;

color: white;

}

/\* everywhere else \*/

\* {

font-family: Arial, Helvetica, sans-serif;

}

**File 37 routing.components.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { RoutingComponent } from './routing.component';

describe('RoutingComponent', () => {

let component: RoutingComponent;

let fixture: ComponentFixture<RoutingComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ RoutingComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(RoutingComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 38 routing.components.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'routing',

templateUrl: './routing.component.html',

styleUrls: ['./routing.component.css']

})

export class RoutingComponent implements OnInit {

constructor() { }

ngOnInit(): void {

}

}

**File 39:sharks.component.html**

<h2 style="text-align:center;" ><span style="color: violet">SHARKS</span></h2>

<div style="text-align: center;">

<img src="https://ychef.files.bbci.co.uk/624x351/p02knfvp.jpg" alt="https://en.wikipedia.org/wiki/Sea\_lion" style="width:250px">

</div>

<p style="text-align:center">Sharks are a group of elasmobranch fish characterized by a cartilaginous

skeleton, five to seven gill slits on the sides of the head, and pectoral fins that are not fused to

the head. Modern sharks are classified within the clade Selachimorpha (or Selachii) and are the sister

group to the rays. However, the term "shark" has also been used for extinct members of the subclass

Elasmobranchii outside the Selachimorpha, such as Cladoselache and Xenacanthus, as well as other

Chondrichthyes such as the holocephalid eugenedontidans.</p>

**File 40:sharks.component.css**

img {

border-radius: 60%;

}

**File 41:sharks.component.spec.ts**

import { ComponentFixture, TestBed } from '@angular/core/testing';

import { SharksComponent } from './sharks.component';

describe('SharksComponent', () => {

let component: SharksComponent;

let fixture: ComponentFixture<SharksComponent>;

beforeEach(async () => {

await TestBed.configureTestingModule({

declarations: [ SharksComponent ]

})

.compileComponents();

});

beforeEach(() => {

fixture = TestBed.createComponent(SharksComponent);

component = fixture.componentInstance;

fixture.detectChanges();

});

it('should create', () => {

expect(component).toBeTruthy();

});

});

**File 42:sharks.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

selector: 'app-sharks',

templateUrl: './sharks.component.html',

styleUrls: ['./sharks.component.css']

})

export class SharksComponent implements OnInit {

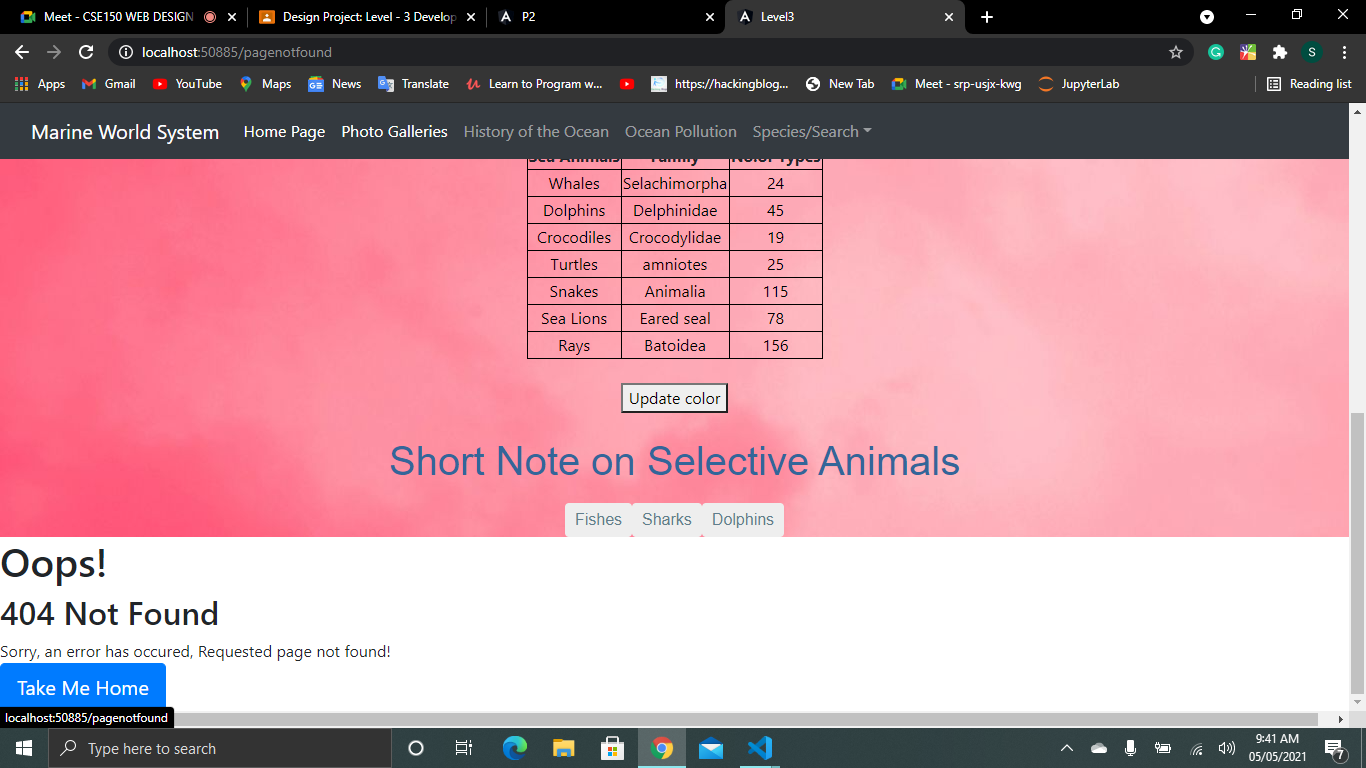
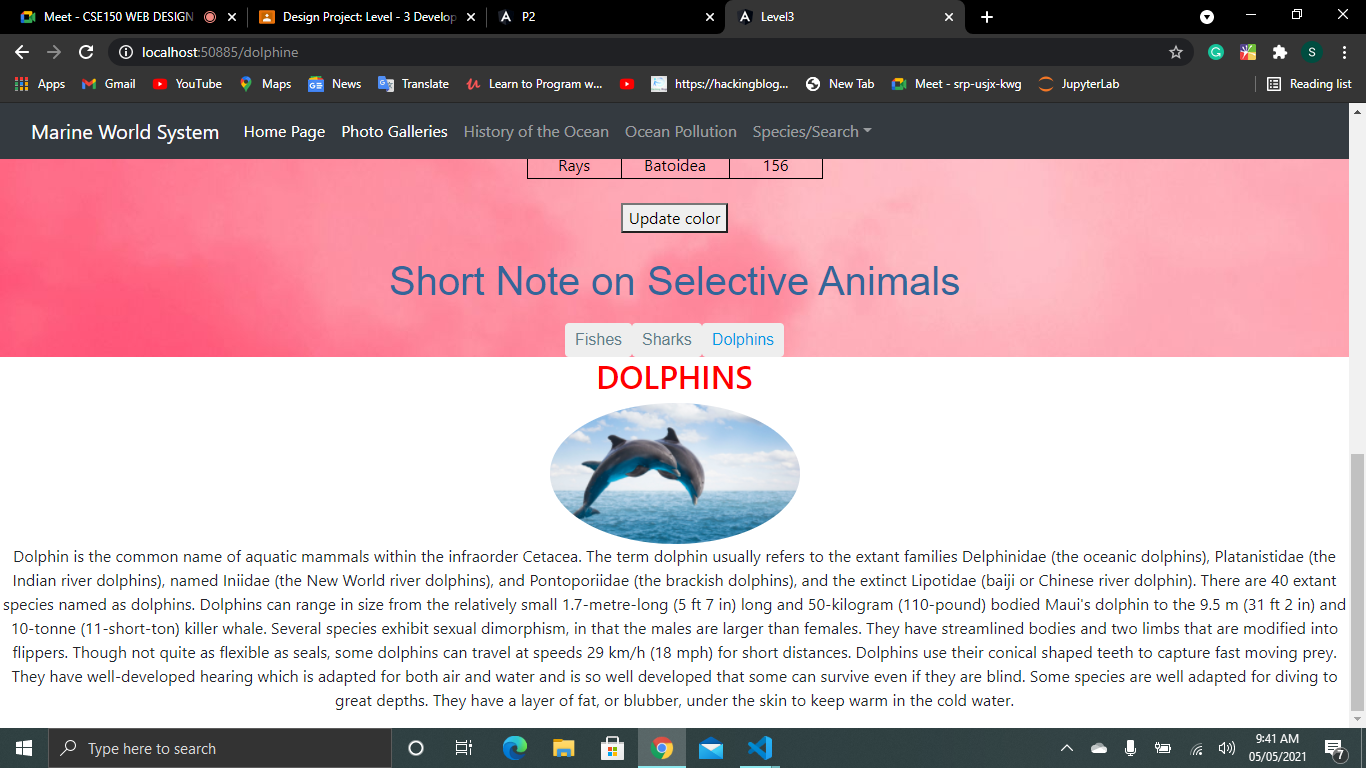
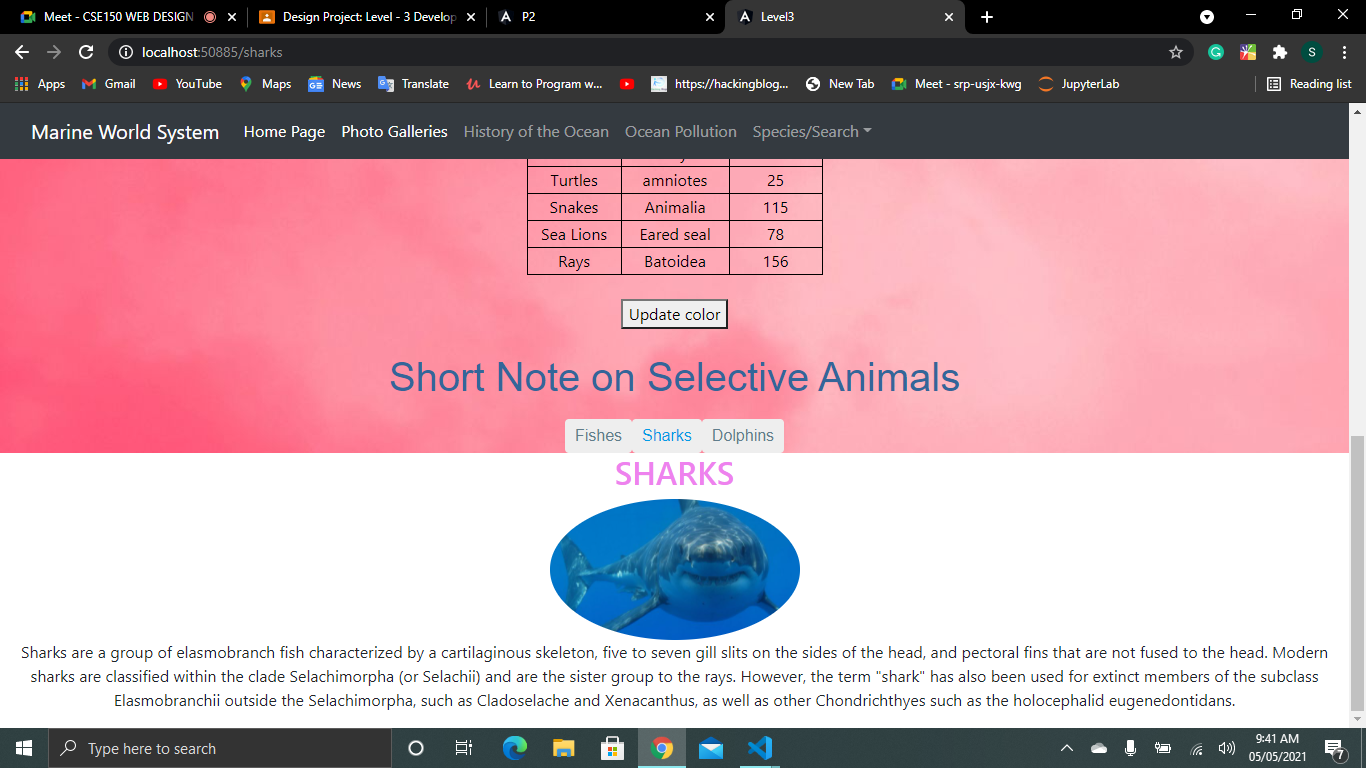
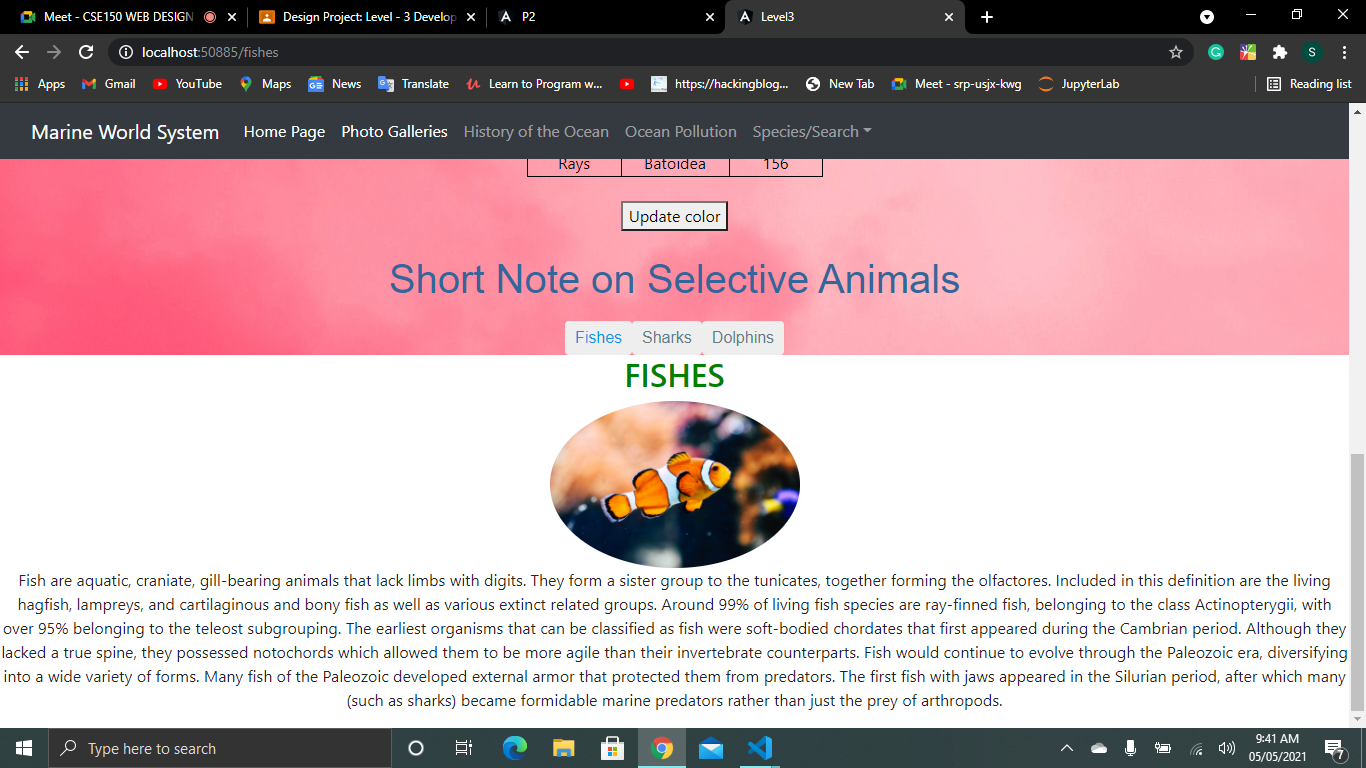
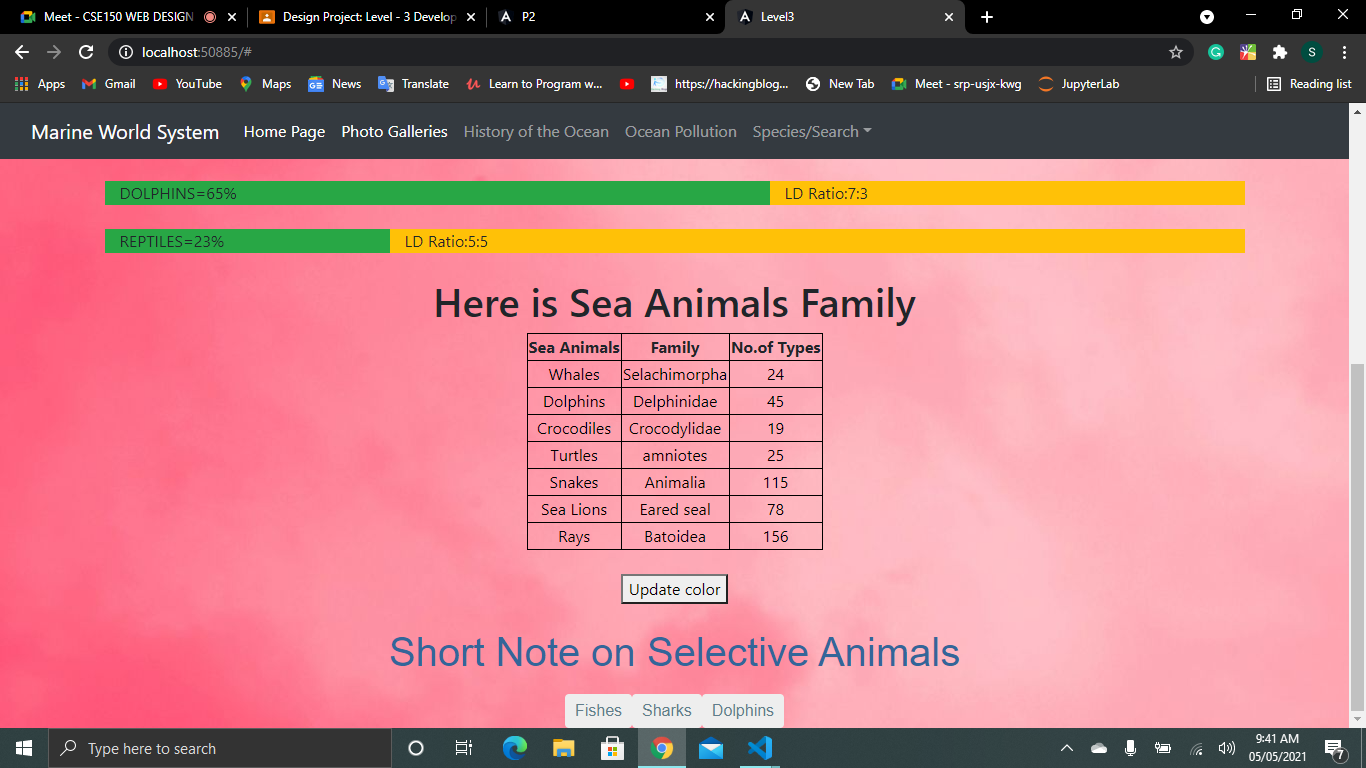
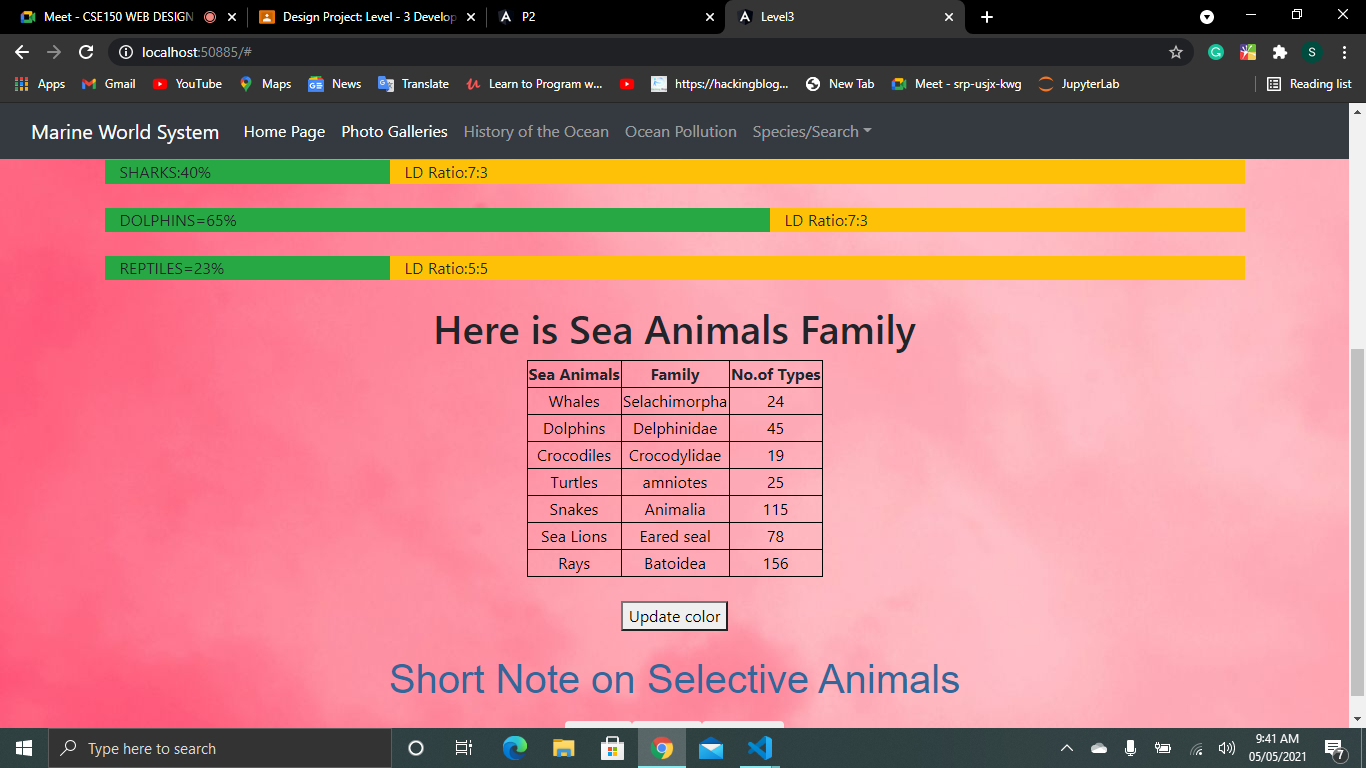
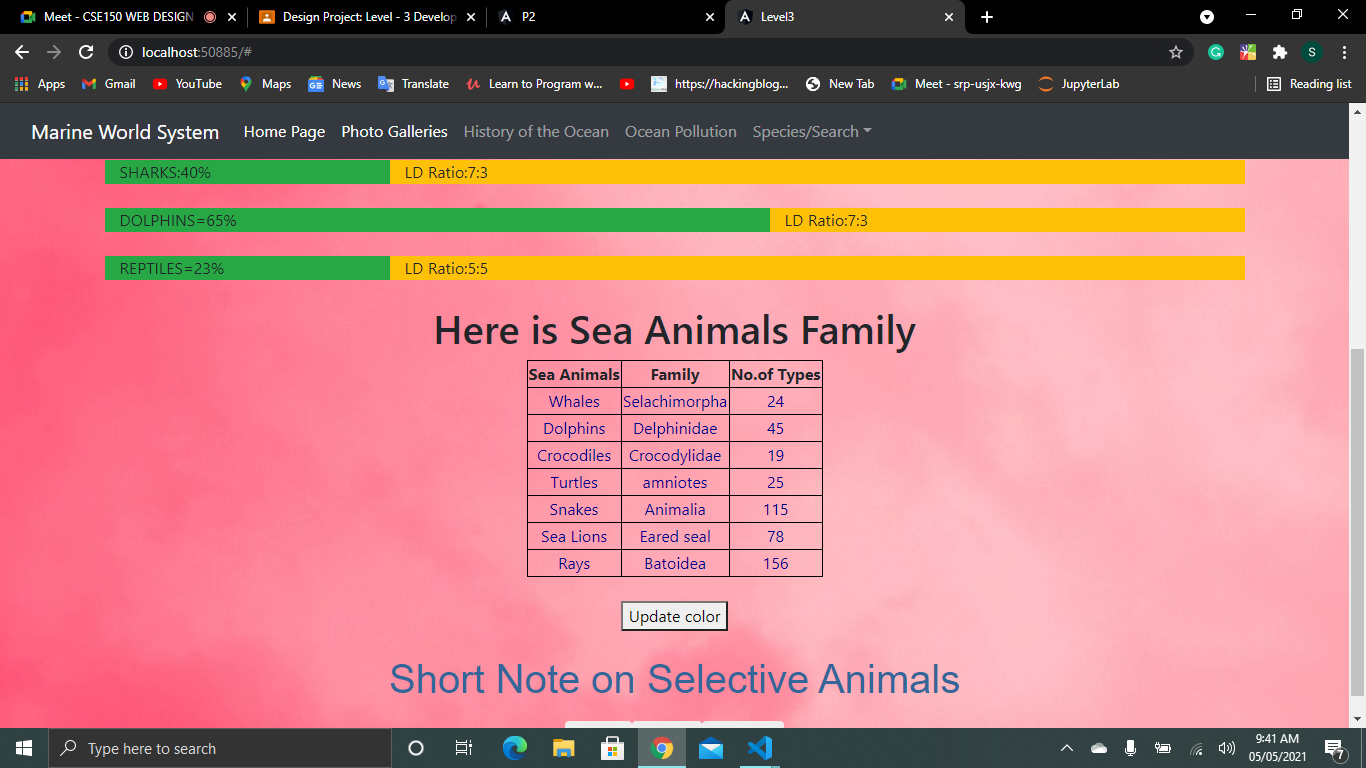
constructor() { }

ngOnInit(): void {

}

}

**Screen shots:**

****