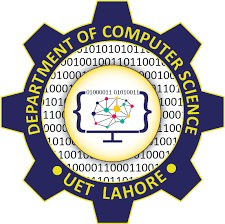
**UET GUIDE MAP**



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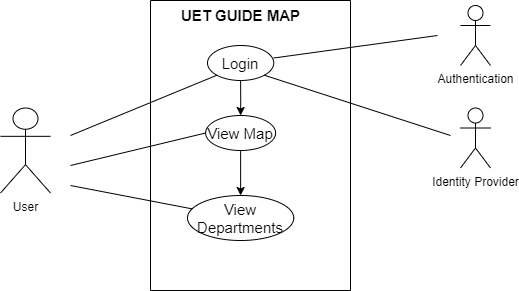
**Short Description:**

Basically it is Web based Application named as “UET GUIDE MAP” which tells and direct you the required destination you enter in the application and also calculate the shortest path of your destination. Which is very similar to google maps. In this application the end user also see different Departments information of UET.

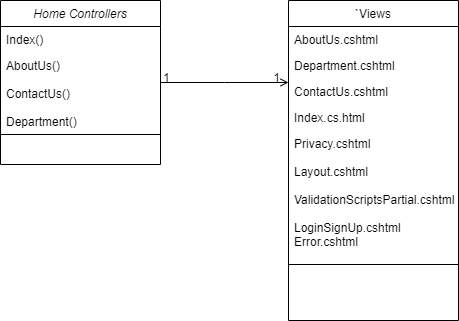
**Project Features:**

* To find the best route of your destination.
* The overview of each department.
* To find minimum distance between two places.

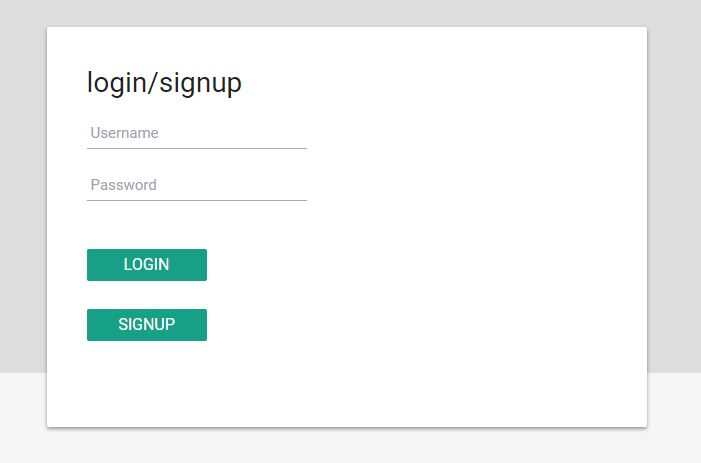
**Use Cases:**

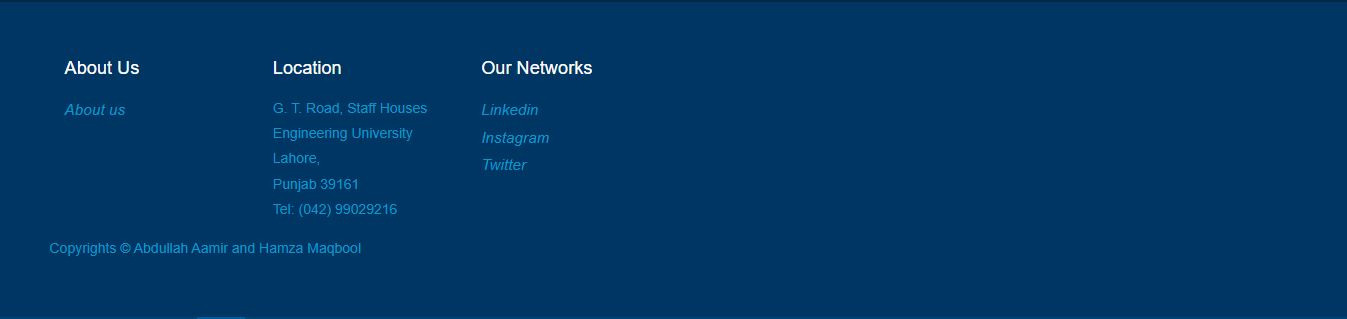
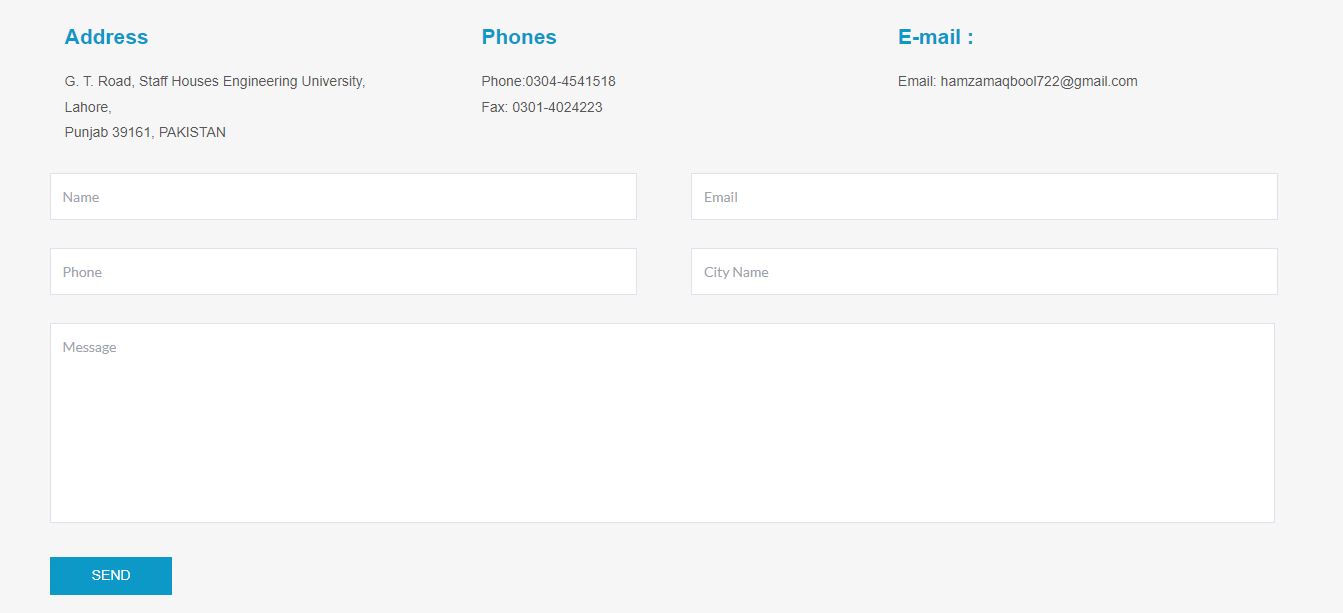
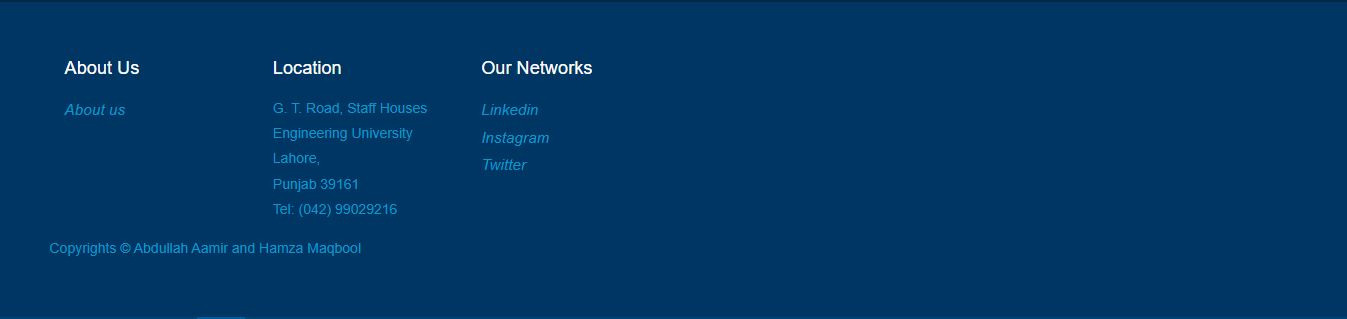
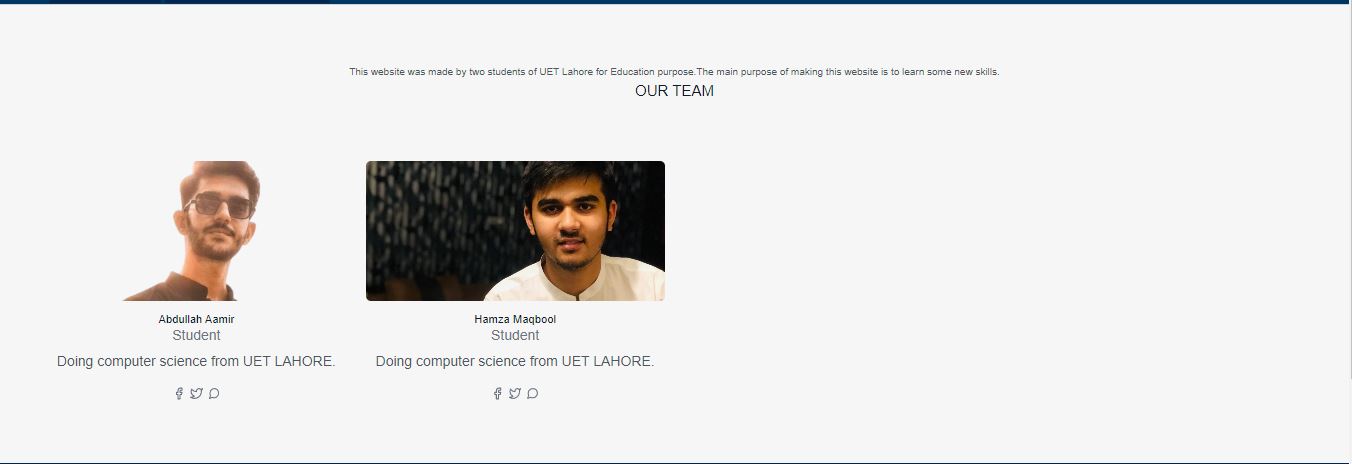
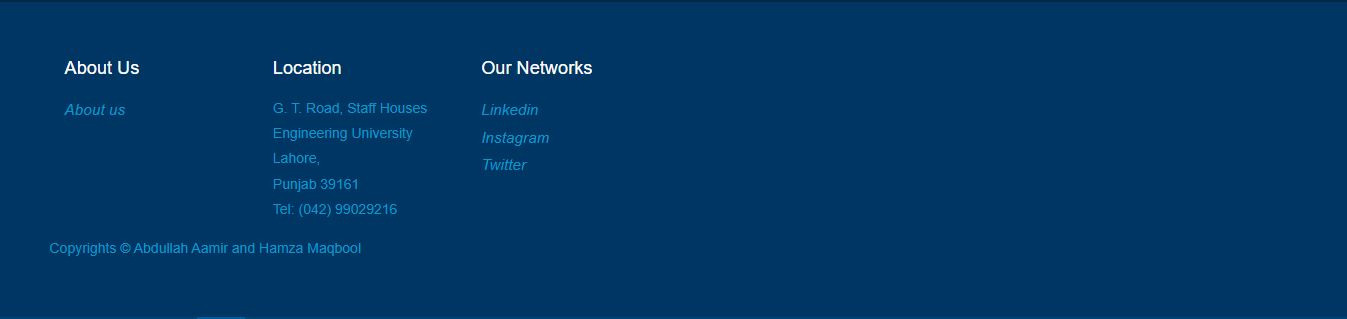
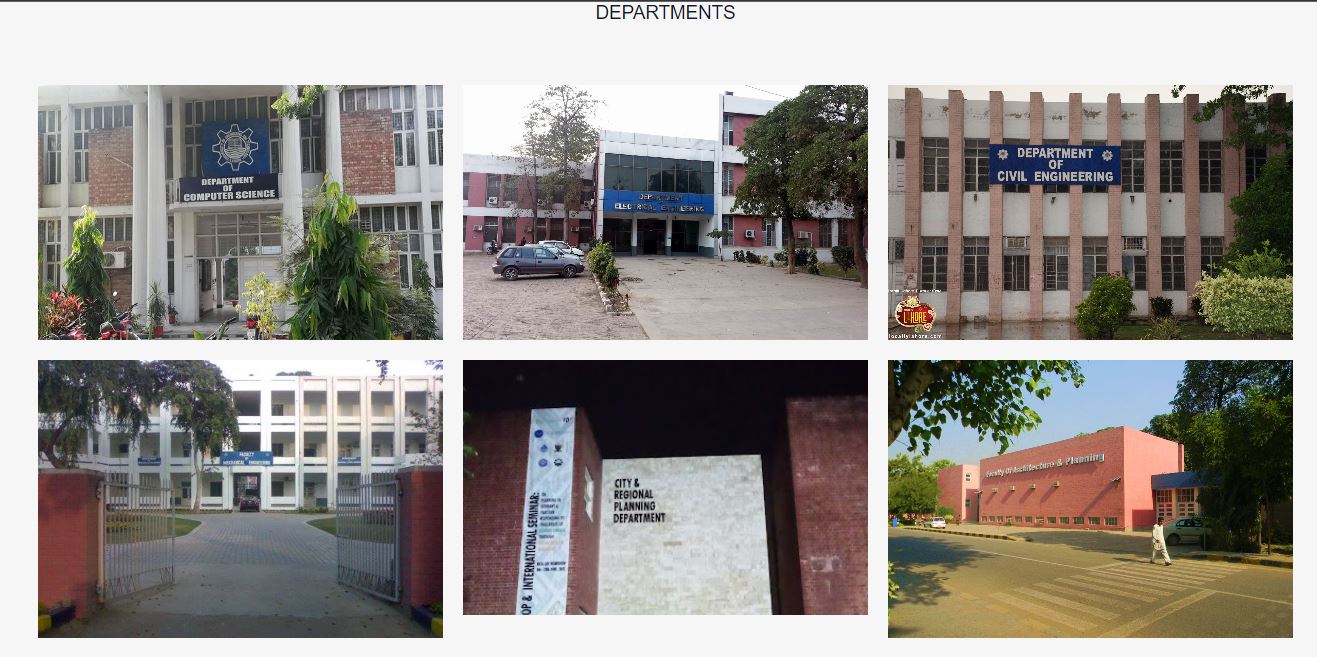
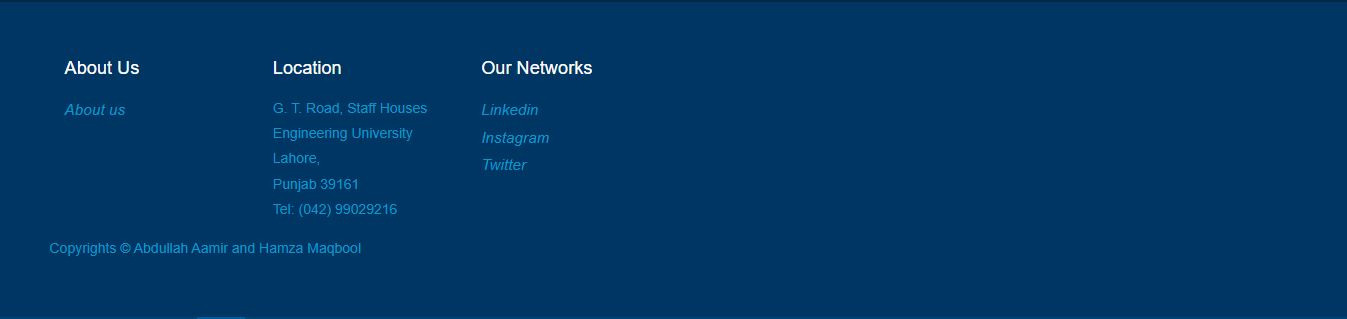
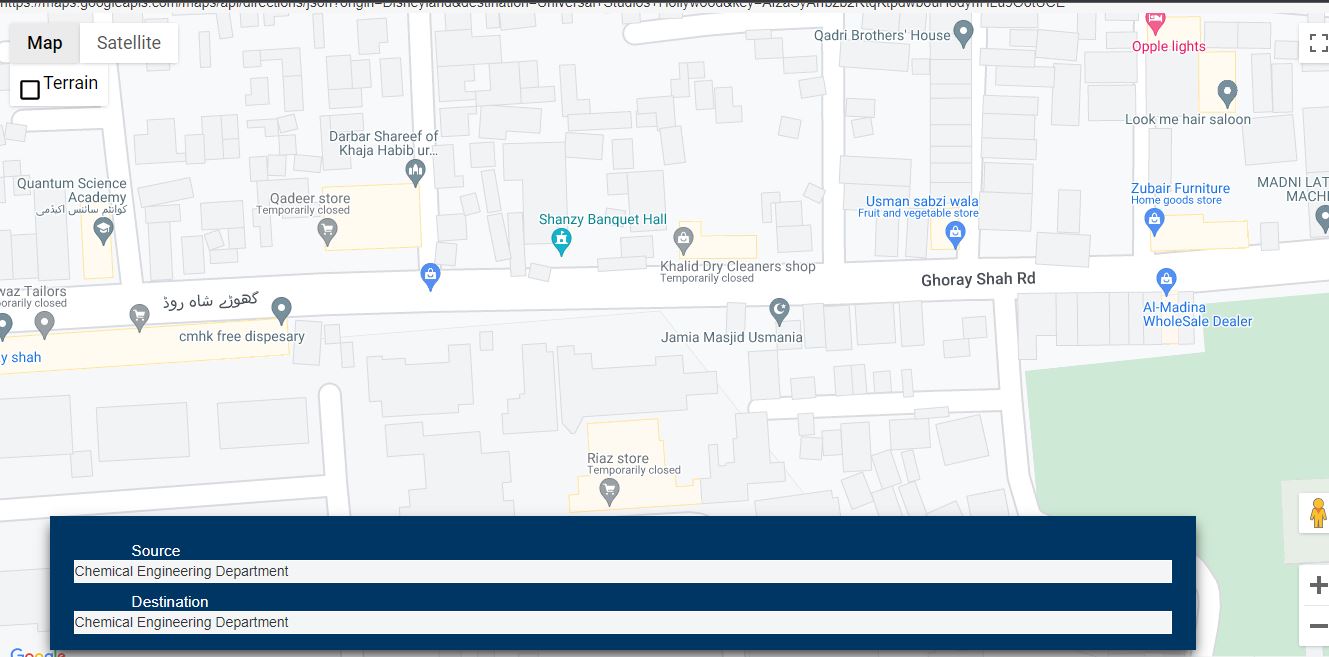


**Class Diagram:**

****

**Wire Frames:**

****



**Technology:**

In this project we use different types of technology but over main technology used is **ASP.NET** with **C#** and also used database.

**Resources:**

In this project we use **Google API** for map and also for current location.

**Full Code:**

**Controllers:**

using Microsoft.AspNetCore.Mvc;

using System.Diagnostics;

using WebsiteOfUetMap.Models;

namespace WebsiteOfUetMap.Controllers

{

public class HomeController : Controller

{

private readonly ILogger<HomeController> \_logger;

public HomeController(ILogger<HomeController> logger)

{

\_logger = logger;

}

public IActionResult Index()

{

return View();

}

public IActionResult AboutUs()

{

return View();

}

public IActionResult Contacts()

{

return View();

}

public IActionResult Departments()

{

return View();

}

public IActionResult LoginSignUp()

{

return View();

}

[ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)]

public IActionResult Error()

{

return View(new ErrorViewModel { RequestId = Activity.Current?.Id ?? HttpContext.TraceIdentifier });

}

}

}

**Views:**

@{

ViewData["Title"] = "About Us";

}

<section class="text-gray-600 body-font">

<div class="container px-5 py-24 mx-auto">

<div class="flex flex-col text-center w-full mb-20">

<p class="lg:w-2/3 mx-auto leading-relaxed text-base">This website was made by two students of UET Lahore for Education purpose.The main purpose of making this website is to learn some new skills.</p>

<h1 class="text-2xl font-medium title-font mb-4 text-gray-900">OUR TEAM</h1>

</div>

<div class="flex flex-wrap -m-4">

<div class="p-4 lg:w-1/4 md:w-1/2">

<div class="h-full flex flex-col items-center text-center">

<img alt="team" class="flex-shrink-0 rounded-lg w-full h-56 object-cover object-center mb-4" src="~/images/Abdullah3.png">

<div class="w-full">

<h2 class="title-font font-medium text-lg text-gray-900">Abdullah Aamir</h2>

<h3 class="text-gray-500 mb-3">Student</h3>

<p class="mb-4">Doing computer science from UET LAHORE.</p>

<span class="inline-flex">

<a class="text-gray-500">

<svg fill="none" stroke="currentColor" stroke-linecap="round" stroke-linejoin="round" stroke-width="2" class="w-5 h-5" viewBox="0 0 24 24">

<path d="M18 2h-3a5 5 0 00-5 5v3H7v4h3v8h4v-8h3l1-4h-4V7a1 1 0 011-1h3z"></path>

</svg>

</a>

<a class="ml-2 text-gray-500">

<svg fill="none" stroke="currentColor" stroke-linecap="round" stroke-linejoin="round" stroke-width="2" class="w-5 h-5" viewBox="0 0 24 24">

<path d="M23 3a10.9 10.9 0 01-3.14 1.53 4.48 4.48 0 00-7.86 3v1A10.66 10.66 0 013 4s-4 9 5 13a11.64 11.64 0 01-7 2c9 5 20 0 20-11.5a4.5 4.5 0 00-.08-.83A7.72 7.72 0 0023 3z"></path>

</svg>

</a>

<a class="ml-2 text-gray-500">

<svg fill="none" stroke="currentColor" stroke-linecap="round" stroke-linejoin="round" stroke-width="2" class="w-5 h-5" viewBox="0 0 24 24">

<path d="M21 11.5a8.38 8.38 0 01-.9 3.8 8.5 8.5 0 01-7.6 4.7 8.38 8.38 0 01-3.8-.9L3 21l1.9-5.7a8.38 8.38 0 01-.9-3.8 8.5 8.5 0 014.7-7.6 8.38 8.38 0 013.8-.9h.5a8.48 8.48 0 018 8v.5z"></path>

</svg>

</a>

</span>

</div>

</div>

</div>

<div class="p-4 lg:w-1/4 md:w-1/2">

<div class="h-full flex flex-col items-center text-center">

<img alt="team" class="flex-shrink-0 rounded-lg w-full h-56 object-cover object-center mb-4" src="~/images/hamza2.jpg">

<div class="w-full">

<h2 class="title-font font-medium text-lg text-gray-900">Hamza Maqbool</h2>

<h3 class="text-gray-500 mb-3">Student</h3>

<p class="mb-4">Doing computer science from UET LAHORE.</p>

<span class="inline-flex">

<a class="text-gray-500">

<svg fill="none" stroke="currentColor" stroke-linecap="round" stroke-linejoin="round" stroke-width="2" class="w-5 h-5" viewBox="0 0 24 24">

<path d="M18 2h-3a5 5 0 00-5 5v3H7v4h3v8h4v-8h3l1-4h-4V7a1 1 0 011-1h3z"></path>

</svg>

</a>

<a class="ml-2 text-gray-500">

<svg fill="none" stroke="currentColor" stroke-linecap="round" stroke-linejoin="round" stroke-width="2" class="w-5 h-5" viewBox="0 0 24 24">

<path d="M23 3a10.9 10.9 0 01-3.14 1.53 4.48 4.48 0 00-7.86 3v1A10.66 10.66 0 013 4s-4 9 5 13a11.64 11.64 0 01-7 2c9 5 20 0 20-11.5a4.5 4.5 0 00-.08-.83A7.72 7.72 0 0023 3z"></path>

</svg>

</a>

<a class="ml-2 text-gray-500">

<svg fill="none" stroke="currentColor" stroke-linecap="round" stroke-linejoin="round" stroke-width="2" class="w-5 h-5" viewBox="0 0 24 24">

<path d="M21 11.5a8.38 8.38 0 01-.9 3.8 8.5 8.5 0 01-7.6 4.7 8.38 8.38 0 01-3.8-.9L3 21l1.9-5.7a8.38 8.38 0 01-.9-3.8 8.5 8.5 0 014.7-7.6 8.38 8.38 0 013.8-.9h.5a8.48 8.48 0 018 8v.5z"></path>

</svg>

</a>

</span>

</div>

</div>

</div>

</div>

</div>

</section>

@{

ViewData["Title"] = "Contacts";

}

<div class="container">

<div class="contact-content">

<div class="contact-details">

<div class="col-md-4 con-left">

<h4>Address</h4>

<p> G. T. Road, Staff Houses Engineering University,</p>

<p>Lahore,</p>

<p>Punjab 39161, PAKISTAN</p>

</div>

<div class="col-md-4 con-left">

<h4>Phones</h4>

<p>Phone:0304-4541518</p>

<p>Fax: 0301-4024223</p>

</div>

<div class="col-md-4 con-left">

<h4>E-mail :</h4>

<p>Email: <a href="https://mail.google.com/">hamzamaqbool722@gmail.com</a></p>

</div>

<div class="clearfix"></div>

</div>

<div class="contact-details">

<form>

<input type="text" placeholder="Name" required />

<input type="text" placeholder="Email" required />

<input type="text" placeholder="Phone" required />

<input type="text" placeholder="City Name" required />

<textarea placeholder="Message"></textarea>

<input type="submit" value="SEND" />

</form>

</div>

</div>

</div>

@{

ViewBag.Title = "Home";

}

<head>

https://maps.googleapis.com/maps/api/directions/json?origin=Disneyland&destination=Universal+Studios+Hollywood&key=AIzaSyArIbzb2RtqKtpdwbouH6dyhHLu9OotUCE

</head>

<style>

/\* Always set the map height explicitly to define the size of the div

\* element that contains the map. \*/

#map {

height: 100%;

}

/\* Optional: Makes the sample page fill the window. \*/

html, body {

height: 100%;

margin: 0;

padding: 0;

}

#floating-panel {

position: absolute;

top: 10px;

left: 25%;

z-index: 5;

background-color: #fff;

padding: 5px;

border: 1px solid #999;

text-align: center;

font-family: 'Roboto','sans-serif';

line-height: 30px;

padding-left: 10px;

}

</style>

<div id="map"></div>

<div class="banner-info">

<div class="container">

<div class="reservation">

<ul>

<li class="span1\_of\_1">

<li class="boo">

<h4>Source</h4>

</li>

<select id="source">

<option value="Chemical Engineering Department, University of Engineering and Technology">Chemical Engineering Department</option>

<option value="Civil Engineering Department, University of Engineering and Technology">Civil Engineering Department</option>

<option value="Islamic Studies Department, University of Engineering and Technology">Islamic Studies Department</option>

<option value="Department of Electrical Engineering, University of Engineering and Technology">Department of Electrical Engineering</option>

<option value="Department of Geological, Petroleum And Mining Engineering, University of Engineering and Technology">Geological, Petroleum And Mining Engineering</option>

<option value="Department of Humanities, Social Sciences and Languages, University of Engineering and Technology">Humanities, Social Sciences and Languages Department</option>

<option value="Department of Petroleum and Gas Engineering, University of Engineering and Technology">Petroleum and Gas Engineering Department</option>

<option value="City & Regional Planning Department UET Lahore, University of Engineering and Technology">City & Regional Planning Department</option>

<option value="Department of Metallurgical and Materials Engineering, University of Engineering and Technology">Metallurgical and Materials Engineering Department</option>

<option value="Department of Computer Science - UET Lahore, University of Engineering and Technology">Computer Science Department</option>

<option value="Automotive Engineering Centre, University of Engineering and Technology">Automotive Engineering Department</option>

<option value="IB&M-UET, University of Engineering and Technology">IB&M Department</option>

</select>

</li>

<li class="span1\_of\_1">

<li class="boo">

<h4>Destination</h4>

<div class="clearfix"></div>

</li>

<select id="destination">

<option value="Chemical Engineering Department, University of Engineering and Technology">Chemical Engineering Department</option>

<option value="Civil Engineering Department, University of Engineering and Technology">Civil Engineering Department</option>

<option value="Islamic Studies Department, University of Engineering and Technology">Islamic Studies Department</option>

<option value="Department of Electrical Engineering, University of Engineering and Technology">Department of Electrical Engineering</option>

<option value="Department of Geological, Petroleum And Mining Engineering, University of Engineering and Technology">Geological, Petroleum And Mining Engineering Department</option>

<option value="Department of Humanities, Social Sciences and Languages, University of Engineering and Technology">Humanities, Social Sciences and Languages Department</option>

<option value="Department of Petroleum and Gas Engineering, University of Engineering and Technology">Petroleum and Gas Engineering Department</option>

<option value="City & Regional Planning Department UET Lahore, University of Engineering and Technology">City & Regional Planning Department</option>

<option value="Department of Metallurgical and Materials Engineering, University of Engineering and Technology">Metallurgical and Materials Engineering Department</option>

<option value="Department of Computer Science - UET Lahore, University of Engineering and Technology">Computer Science Department</option>

<option value="Automotive Engineering Centre, University of Engineering and Technology">Automotive Engineering Department</option>

<option value="IB&M-UET, University of Engineering and Technology">IB&M Department</option>

</select>

</li>

</ul>

</div>

</div>

</div>

<script>

function initMap() {

var directionsService = new google.maps.DirectionsService;

var directionsDisplay = new google.maps.DirectionsRenderer;

var map = new google.maps.Map(document.getElementById('map'), {

zoom: 17,

center: { lat: 31.5799, lng: 74.3563 }

});

directionsDisplay.setMap(map);

var onChangeHandler = function () {

calculateAndDisplayRoute(directionsService, directionsDisplay);

};

document.getElementById('source').addEventListener('change', onChangeHandler);

document.getElementById('destination').addEventListener('change', onChangeHandler);

}

function calculateAndDisplayRoute(directionsService, directionsDisplay) {

directionsService.route({

origin: document.getElementById('source').value,

destination: document.getElementById('destination').value,

travelMode: 'WALKING'

}, function (response, status) {

if (status === 'OK') {

directionsDisplay.setDirections(response);

} else {

window.alert('Directions request failed due to ' + status);

}

});

}

</script>

<script async defer src="https://maps.googleapis.com/maps/api/js?key=AIzaSyDEHfr1LghzLJQtq1hlcg5BWFv85cPPYfA&callback=initMap&v=weekly"></script>

**Login/Sign UP:**

<html>

<head>

<title>Firebase Authentication</title>

<link href="~/css/style.css" rel="stylesheet" />

<style>

\*:focus {

outline: none;

}

body {

margin: 0;

padding: 0;

background: #DDD;

font-size: 16px;

color: #222;

font-family: 'Roboto', sans-serif;

font-weight: 300;

}

#login-box {

position: relative;

margin: 5% auto;

width: 600px;

height: 400px;

background: #FFF;

border-radius: 2px;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);

}

.left {

position: absolute;

top: 0;

left: 0;

box-sizing: border-box;

padding: 40px;

width: 300px;

height: 400px;

}

h1 {

margin: 0 0 20px 0;

font-weight: 300;

font-size: 28px;

}

input[type="text"],

input[type="password"] {

display: block;

box-sizing: border-box;

margin-bottom: 20px;

padding: 4px;

width: 220px;

height: 32px;

border: none;

border-bottom: 1px solid #AAA;

font-family: 'Roboto', sans-serif;

font-weight: 400;

font-size: 15px;

transition: 0.2s ease;

}

input[type="text"]:focus,

input[type="password"]:focus {

border-bottom: 2px solid #16a085;

color: #16a085;

transition: 0.2s ease;

}

input[type="submit"] {

margin-top: 28px;

width: 120px;

height: 32px;

background: #16a085;

border: none;

border-radius: 2px;

color: #FFF;

font-family: 'Roboto', sans-serif;

font-weight: 500;

text-transform: uppercase;

transition: 0.1s ease;

cursor: pointer;

}

input[type="submit"]:hover,

input[type="submit"]:focus {

opacity: 0.8;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);

transition: 0.1s ease;

}

input[type="submit"]:active {

opacity: 1;

box-shadow: 0 1px 2px rgba(0, 0, 0, 0.4);

transition: 0.1s ease;

}

.or {

position: absolute;

top: 180px;

left: 280px;

width: 40px;

height: 40px;

background: #DDD;

border-radius: 50%;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);

line-height: 40px;

text-align: center;

}

.right {

position: absolute;

top: 0;

right: 0;

box-sizing: border-box;

padding: 40px;

width: 300px;

height: 400px;

background: url('https://goo.gl/YbktSj');

background-size: cover;

background-position: center;

border-radius: 0 2px 2px 0;

}

.right .loginwith {

display: block;

margin-bottom: 40px;

font-size: 28px;

color: #FFF;

text-align: center;

}

button.social-signin {

margin-bottom: 20px;

width: 220px;

height: 36px;

border: none;

border-radius: 2px;

color: #FFF;

font-family: 'Roboto', sans-serif;

font-weight: 500;

transition: 0.2s ease;

cursor: pointer;

}

button.social-signin:hover,

button.social-signin:focus {

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.4);

transition: 0.2s ease;

}

button.social-signin:active {

box-shadow: 0 1px 2px rgba(0, 0, 0, 0.4);

transition: 0.2s ease;

}

button.social-signin.facebook {

background: #32508E;

}

button.social-signin.twitter {

background: #55ACEE;

}

button.social-signin.google {

background: #DD4B39;

}

</style>

</head>

<body>

<div id="login-box">

<div class="left">

<h1 id=''>login/signup</h1>

<input type="text" id="username" name="username" placeholder="Username" />

<!-- <input type="text" id="email" name="email" placeholder="E-mail" /> -->

<input type="password" id="password" name="password" placeholder="Password" />

<input type="submit" id='login' name="login" value="Login" />

<input type="submit" id='signUp' name="login" value="signUp" />

</div>

</div>

</body>

<script type="module">

// Import the functions you need from the SDKs you need

import { initializeApp } from "https://www.gstatic.com/firebasejs/9.4.0/firebase-app.js";

import { getDatabase, set, get, child, ref, update } from "https://www.gstatic.com/firebasejs/9.4.0/firebase-database.js";

import { getAuth, createUserWithEmailAndPassword, signInWithEmailAndPassword, onAuthStateChanged, signOut } from "https://www.gstatic.com/firebasejs/9.4.0/firebase-auth.js";

// TODO: Add SDKs for Firebase products that you want to use

// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration

const firebaseConfig = {

apiKey: "AIzaSyA8PTJfR\_fm-dUaybwq\_Sxa\_rWmJFuF\_dw",

authDomain: "mapofuet.firebaseapp.com",

databaseURL: "https://mapofuet-default-rtdb.firebaseio.com",

projectId: "mapofuet",

storageBucket: "mapofuet.appspot.com",

messagingSenderId: "516416290773",

appId: "1:516416290773:web:e59aacf1ab743a732f075c"

};

// Initialize Firebase

const app = initializeApp(firebaseConfig);

const database = getDatabase(app);

const auth = getAuth();

const db = getDatabase();

signUp.addEventListener('click', (e) => {

// var email = document.getElementById('email').value;

var password = document.getElementById('password').value;

var username = document.getElementById('username').value;

set(ref(db, "Usernames/" + username), {

username: username,

password: password,

});

alert("data stored")

document.getElementById('password').value = "";

document.getElementById('username').value = "";

});

login.addEventListener('click', (e) => {

var username = document.getElementById('username').value;

var password = document.getElementById('password').value;

const dbref = ref(db);

get(child(dbref, "Usernames/" + username)).then((snapshot) => {

if (snapshot.exists()) {

if (username == snapshot.val().username &&

password == snapshot.val().password) {

alert('Valid User');

location.href = "Home/Index";

}

else {

alert('wrong password');

}

} else {

alert("No Data Found");

}

});

});

const user = auth.currentUser;

onAuthStateChanged(auth, (user) => {

if (user) {

// User is signed in, see docs for a list of available properties

// https://firebase.google.com/docs/reference/js/firebase.User

const uid = user.uid;

//bla bla bla

// ...

} else {

// User is signed out

// ...

//bla bla bla

}

});

// logout.addEventListener('click',(e)=>{

// signOut(auth).then(() => {

// // Sign-out successful.

// alert('user loged out');

// }).catch((error) => {

// // An error happened.

// const errorCode = error.code;

// const errorMessage = error.message;

// alert(errorMessage);

// });

// });

</script>

</html>