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| --- | --- |
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| Course: | Ubiquitous computing Laboratory (Honors) |
| Experiment No.: | 03 |

**AIM:** To Implement application for context-aware system.

**CODE**:

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Get Location Details</title>

    <link rel="stylesheet" href="https://unpkg.com/leaflet/dist/leaflet.css" />

    <link rel="preconnect" href="https://fonts.googleapis.com">

    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300&display=swap" rel="stylesheet">

</head>

<body>

    <style>

        body {

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

            margin: 20px;

        }

        h1 {

            color: #333;

            font-weight: bold;

        }

        #map {

            height: 600px;

            width: 700px;

            margin-top: 20px;

            border-radius: 20px;

            position: fixed;

            box-shadow: 0 10px 16px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19) !important;

        }

        #tourist-info {

            margin-left: 30px;

            font-size: 25px;

        }

        #tourist-info::before {

            font-size: 40px;

            content: '🏞️ ';

        }

        #tourist-info {

            border-bottom: 1px solid #ccc;

            padding-bottom: 10px;

        }

    </style>

    <div style="position: fixed; display: flex; ">

        <h1>🌍NEARBY PLACES</h1>

    </div>

    <div style="display: flex; padding-top: 75px;">

        <div id="map"></div>

        <div style="margin-left: 700px;">

            <p id="tourist-info"></p>

        </div>

    </div>

    <script src="https://unpkg.com/leaflet/dist/leaflet.js"></script>

    <script>

        var map = L.map('map').setView([51.505, -0.09], 13);

        L.tileLayer('https://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', {

            attribution: '&copy; <a href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> contributors'

        }).addTo(map);

        map.on('click', function (e) {

            var coordinates = e.latlng;

            document.getElementById('coordinates').innerHTML = 'Coordinates: ' + coordinates.lat + ', ' + coordinates.lng;

            suggestTouristPlaces(coordinates.lat, coordinates.lng);

        });

        function suggestTouristPlaces() {

            const options = {

                method: 'GET',

                headers: {

                    accept: 'application/json',

                    Authorization: 'fsq36GdsRLCWWZ7uO8FNao+QaKQ4wdUPxCdjiSKqxaRPQz0='

                }

            };

            fetch('https://api.foursquare.com/v3/places/search', options)

                .then(response => response.json())

                // .then(response => console.log(response))

                .then((response) => {

                    for (let index = 0; index < 10; index++) {

                        document.getElementById('tourist-info').innerHTML += "<b>" + response.results[index].name + "</b><br>" + response.results[index].location.formatted\_address + "<br> <b>" + response.results[index].closed\_bucket + "</b><br><hr><br>";

                    }

                })

                .catch(err => console.error(err));

        }

        suggestTouristPlaces()

    </script>

</body>

</html>

OUTPUT:

