**Design and develop a website to demonstrate (a) searching and sorting array for integer elements using JavaScript (b) array for named entities using JavaScript. You can make the use of bootstrap as well as jQuery.**

**Html code**

<!DOCTYPE html>

<html>

    <head>

        <title>Array Operations</title>

        <link rel="stylesheet"

        href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

    <style>

        body {

        padding-top: 50px;

        }

        .array-container {

        margin-top: 30px;

        margin-bottom: 30px;

        }

        .array-container h3 {

        margin-bottom: 20px;

        }

        .array-container button {

        margin-top: 20px;

        }

        .result-container {

        margin-top: 30px;

        display: none;

        }

        .result-container h3 {

        margin-bottom: 20px;

        }

        </style>

</head>

<body>

    <div class="container">

        <div class="array-container">

            <h3>Integer Array Operations</h3>

               <div class="form-group">

                <label for="integer-array">Enter comma-separated integer array:</label>

                <input type="text" class="form-control" id="integer-array" placeholder="Example: 1, 5, 3, 2, 4">

        </div>

        <button class="btn btn-primary" id="sort-integer-array-btn">Sort Array</button>

        <button class="btn btn-primary" id="search-integer-arraybtn">Search Array</button>

        <div class="result-container" id="integer-array-result-container">

            <h3>Results:</h3>

            <p id="integer-array-result"></p>

        </div>

    </div>

    <div class="array-container">

        <h3>Named Entity Array Operations</h3>

        <div class="form-group">

            <label for="named-entity-array">Enter comma-separated named entity array:</label>

            <input type="text" class="form-control" id="named-entityarray" placeholder="Example: John, Sarah, Tom, Lisa, Bob">

        </div>

        <button class="btn btn-primary" id="sort-named-entity-arraybtn">Sort Array</button>

        <button class="btn btn-primary" id="search-named-entity-arraybtn">Search Array</button>

        <div class="result-container" id="named-entity-array-resultcontainer">

            <h3>Results:</h3>

            <p id="named-entity-array-result"></p>

        </div>

    </div>

</div>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>

<script>

    $("#sort-integer-array-btn").click(function() {

        var integerArray = $("#integer-array").val().split(",");

        var sortedArray = integerArray.sort(function(a, b) {

        return a - b;

    });

    $("#integer-array-result-container").show();

    $("#integer-array-result").text(sortedArray.join(", "));

    });

    $("#search-named-entity-array-btn").click(function() {

        var namedEntityArray = $("#named-entity-array").val().split(",");

        var searchQuery = $("#search-named-entity-input").val();

        var matchingEntities = [];

        for (var i = 0; i < namedEntityArray.length; i++) {

            if (namedEntityArray[i].includes(searchQuery)) {

            matchingEntities.push(namedEntityArray[i]);

        }

    }

    $("#named-entity-array-result-container").show();

    if (matchingEntities.length > 0) {

    $("#named-entity-array-result").text(matchingEntities.join(", "));

    } else {

    $("#named-entity-array-result").text("No matching entities found.");

    }

    });

    $("#sort-named-entity-array-btn").click(function() {

    var namedEntityArray = $("#named-entity-array").val().split(",");

    var sortedArray = namedEntityArray.sort(function(a, b) {

    return a.localeCompare(b);

    });

    $("#named-entity-array-result-container").show();

    $("#named-entity-array-result").text(sortedArray.join(", "));

    });

    </script>

</body>

</html>

**Output:**

