

CSE2015 - INTERNET PROGRAMMING AND WEB TECHNOLOGIES

LAB ASSESSMENT - 3

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QUESTION 1.

1. Create a Doctor's Appointment form with Patient name, Age, Gender, No of Visits, Appointment Date, Department.

- Throw an exception if age and No. of Visits are not number and negative.
- Throw an exception for doctor's appointment during his vacation from 1/5/2022 to 31/5/2022.
- Throw an exception for Department not specified as Paediatrician, Ophthalmology, Cardiac, and Dental.

HTML -

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

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

    <title>Lab Assessment 3</title>

  </head>

  <body>

    <h1>Question 1 - Doctor's Appointment</h1>
```

```
<form>

  <div>

    <label for="patient-name">Patient's Name: </label>

    <input type="text" id="patient-name" required /><br />

  </div>

  <br />

  <div>

    <label for="age">Age: </label>

    <input type="number" id="age" name="age" /><br />

  </div>

  <br />

  <div>

    <label for="total-visits">Number of Visits: </label>

    <input type="number" id="total-visits" name="visits"

/><br />

  </div>

  <br />

  <div>

    <label for="date">Appointment Date: </label>

    <input type="date" id="date" /><br />

  </div>

  <br />

  <div>

    <label for="department">Department: </label>

    <input type="text" id="department" /><br />

  </div>
```

```
        <br />

        <input type="submit" />

    </form>

    <script src="index.js"></script>

</body>

</html>
```

JAVASCRIPT -

```
const form = document.querySelector('form');

const patientName = document.getElementById('patient-name');

const patientAge = document.getElementById('age');

const totalVisits = document.getElementById('total-visits');

const date = document.getElementById('date');

const department = document.getElementById('department');

const acceptableDepartments = [

    'Paediatrician',

    'Ophthalmology',

    'Cardiac',

    'Dental',

];

const formSubmitHandler = (e) => {

    e.preventDefault();

    try {

        const day = date.value.split('-')[2];

        const month = date.value.split('-')[1];

        const year = date.value.split('-')[0];
```

```

        if (
            isNaN(patientAge.value) ||
            patientAge.value < 0 ||
            isNaN(totalVisits.value) ||
            totalVisits.value < 0
        ) {
            throw 'Please enter a valid number';
        }

        if (!acceptableDepartments.includes(department.value)) {
            throw 'Please enter a valid department name';
        }

        if (day >= 1 && day <= 31 && month == 05 && year == 2022) {
            throw 'Cannot book appointment during vacation time';
        }
    } catch (err) {
        alert(err);
    }
};

form.addEventListener('submit', formSubmitHandler);

```

OUTPUT SCREENSHOTS -

Question 1 - Doctor's Appointment

Patient's Name:

Age:

Number of Visits:

Appointment Date:

Department:

Question 1 - Doctor's Appointment

Patient's Name:

Age:

Number of Visits:

Appointment Date:

Department:

🌐 127.0.0.1:5500

Please enter a valid number

Question 1 - Doctor's Appointment

Patient's Name:

Age:

Number of Visits:

Appointment Date:

Department:

127.0.0.1:5500

Cannot book appointment during vacation time

Question 1 - Doctor's Appointment

Patient's Name:

Age:

Number of Visits:

Appointment Date:

Department:

127.0.0.1:5500

Please enter a valid department name

QUESTION 2.

Build a page where users can add and rate Movie Category.

This page should include the following:

1. A form, where you can add something to the list and rate it.
2. A table of all of the things you've added.
3. A delete button for each row of the table that lets you remove elements from the list.
4. Sort entries in the table by their title and their rating.



Here's an example of a movie list page

My Favorite Movies

Title

Rating

Add Movie

Title 	Rating 	Delete
Gigli	4	<button>Delete</button>
The Matrix	9	<button>Delete</button>
Thor	6	<button>Delete</button>
Wayne's World	8	<button>Delete</button>

HTML -

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

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

    <title>Lab Assessment 3</title>

  </head>

  <body>
```

```

<h1>Favourite movies</h1>

<form class="container movie">

    <p>

        <label>Movie Name</label>

        <input class="input" type="text" id="movieName" />

    </p>

    <p>

        <label>Rating</label>

        <input class="input" type="number" id="rating" />

    </p>

    <button type="button" class="btn"
id="add-movie">Add</button>

</form>

<br />

<input

    type="button"

    onclick="sortByMovie()"

    value="sort by movie"

    id="movie_order"

/>

<input

    type="button"

    onclick="sortByRating()"

    value="sort by rating"

    id="rating-order"

/>

```



```

        <br />

        <br />

        <table class="tbl" id="movieList">

            <thead>

                <tr>

                    <th nowrap>Serial No.</th>

                    <th nowrap>Movie Name</th>

                    <th nowrap>Rating</th>

                    <th nowrap>Delete</th>

                </tr>

            </thead>

            <tbody id="table-main"></tbody>

        </table>

        <script

src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">

</script>

        <script src="index.js"></script>

    </body>

</html>

```

JAVASCRIPT -

```

$('#add-movie').on('click', () => {

    const movieName = $('#movieName').val();

    const rating = $('#rating').val();

```

```

const count = $('#movieList tr').length;

if (movieName !== '' && rating !== '') {

    $('#movieList tbody').append(

        '<tr class="child"><td>' +

            count +

            '</td><td>' +

                movieName +

                '</td><td>' +

                    rating +

                    '</td><td><a href="javascript:void(0);" class="remCF1
btn btnsmall btn-danger">Delete</a></td></tr>'

        );

    }

});

$(document).on('click', '.remCF1', function () {

    $(this).parent().parent().remove();

    $('#movieList tbody tr').each((i) => {

        $($ (this).find('td')[0]).html(i + 1);

    });

});

const sortByMovie = () => {

    const table = $('#tbl');

    const tbody = $('#table-main');

    tbody

        .find('tr')

        .sort((a, b) => {

```

```

        if ($('#movie_order').val() == 'asc') {

            return $('td:nth-child(2)', a)

                .text()

                .localeCompare($('td:nth-child(2)', b).text());

        } else {

            return $('td:nth-child(2)', b)

                .text()

                .localeCompare($('td:nth-child(2)', a).text());

        }

    })

    .appendTo(tbody);

const sortingOrder = ($('#movie_order').val());

if (sortingOrder == 'asc') {

    $('#movie_order').value = 'desc';

}

if (sortingOrder == 'desc') {

    $('#movie_order').value = 'asc';

}

};

const sortByRating = () => {

    const table = $('#tbl');

    const tbody = $('#table-main');

    tbody

        .find('tr')

        .sort((a, b) => {

            if ($('#rating-order').val() == 'asc') {

```

```
        return $('td:nth-child(3)', a)

            .text()

            .localeCompare($('td:nth-child(3)', b).text());

    } else {

        return $('td:nth-child(3)', b)

            .text()

            .localeCompare($('td:nth-child(3)', a).text());

    }

})

.appendTo(tbody);

const sortingOrder = $('#rating-order').val();

if (sortingOrder == 'asc') {

    $('#rating-order').value = 'desc';

}

if (sortingOrder == 'desc') {

    $('#rating-order').value = 'asc';

}

};
```

OUTPUT SCREENSHOTS -

Favourite movies

Movie Name

Rating

Add

sort by movie sort by rating

Serial No. Movie Name Rating Delete

Add movie

Favourite movies

Movie Name

Rating

Add

sort by movie sort by rating

Serial No. Movie Name Rating Delete

1	Titanic	10	Delete
---	---------	----	------------------------

Sort by movie

Favourite movies

Movie Name

Rating 

Add

Serial No.	Movie Name	Rating	Delete
1	Titanic	10	Delete
4	Thor	9.5	Delete
3	Hulk	9	Delete
2	Avengers	10	Delete

Sort by rating

Favourite movies

Movie Name

Rating

Add

sort by movie sort by rating

Serial No.	Movie Name	Rating	Delete
4	Thor	9.5	Delete
3	Hulk	9	Delete
1	Titanic	10	Delete
2	Avengers	10	Delete

Delete movie

Favourite movies

Movie Name

Rating

Add

sort by movie sort by rating

Serial No.	Movie Name	Rating	Delete
4	Thor	9.5	Delete
3	Hulk	9	Delete
2	Avengers	10	Delete