

Assessment on Module 1

Problem Statement 1:

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Book your tour</title>

<style>

  h1{

    color: #FF0000;

    font-weight: bold;

    font-style: italic;

  }

  table, th, td {

    border: 1px solid black;

    border-collapse: collapse;

  }

  table {

    background: linear-gradient(to bottom, #e0f2f7, #b3e5fc);

    border: 1px solid black;

    border-collapse: collapse;

    width: 100%;

    box-shadow: 2px 2px 10px rgba(252, 182, 159, 0.3);

    border-radius: 8px;

  }
```

```
th, td {  
    text-align: left;  
    padding-top: 20px;  
    padding-bottom: 20px;  
    padding-left: 30px;  
    padding-right: 40px;  
    font-size: 20px;  
}
```

```
th,td{  
    color: black;  
}
```

```
.button1 {  
    background-color: black;  
    color: white;  
    border: none;  
    padding: 12px 24px;  
    font-size: 16px;  
    border-radius: 10px;  
    box-shadow: 0 0 10px black, 0 0 20px black;  
    cursor: pointer;  
    transition: 0.3s ease-in-out;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
    <h1 style="text-align:center;">Online Tour Package Reservation</h1>
```

```
    <br> <hr> <br>
```

```

<form id="form1">

<fieldset><center>

<table id="detailstable" border="1px solid" style=" border-collapse: collapse;">

  <tr><th><label for="Name" name="Customer Name">Name</label></th>

  <td><input type= "text" placeholder=" Customer name:" id="Name" required
pattern="[A-Za-z ]+"></td></tr>

  <tr><th><label for="mobile" name="Mobile Number">Mobile Number</label></th>

  <td><input type= "text" placeholder="Enter your phone number:"
id="mobile" required pattern="^[789]\d{9}$" ></td></tr>

  <tr><th><label for="aadhar" name="Aadhar Number">Aadhar Number</label></th>

  <td><input type= "text" placeholder="Enter your aadhar number:"
id="aadhar" required pattern="^[1-9]\d{11}$"></td></tr>

  <tr><th><label for="checkindate" name="Date of Check in">Date of check-
in:</label></th>

  <td><input type= "text" placeholder="dd/MM/yyyy" id="checkindate" required
></td></tr>

  <tr><th><label for="packagetype" name="Package Type">Package
type</label></th>

  <td><select id="packagetype">

    <option value="" disabled selected>Select the package type</option>

    <option value="1 Night & 2 Days">1 Night & 2 Days</option>

    <option value="2 Night & 3 Days">2 Night & 3 Days</option>

    <option value="3 Night & 4 Days">3 Night & 4 Days</option>

    <option value="4 Night & 5 Days">4 Night & 5 Days</option>

    <option value="5 Night & 6 Days">5 Night & 6 Days</option>

  </select></td></tr>

  <tr><th><label for="adults" name="Number of Adults">Number of Adults
</label></th>

  <td><input type="number" id="adults" placeholder="Enter the number of adults:"
required></td></tr>

```


</table>

</body>

</html>

Snapshots:

Online Tour Package Reservation

Name	<input type="text" value="Customer name:"/>
Mobile Number	<input type="text" value="Enter your phone number:"/>
Aadhar Number	<input type="text" value="Enter your aadhar number:"/>
Date of check-in:	<input type="text" value="dd/MM/yyyy"/>
Package type	<input type="text" value="Select the package type"/>
Number of Adults	<input type="text" value="Enter the number of adul"/>
Number of Children	<input type="text" value="Enter the number of child"/>

CVV Number

Tour Package Details			
Package Type	Charges Per Type(in Rs)	No. of visitors allowed	Extra One Person Charges (in Rs)
1 Night & 2 Days	11,000	2	3066
2 Night & 3 Days	20,000	3	3500
3 Night & 4 Days	29,000	3	3500
4 Night & 5 Days	37,000	4	4000
5 Night & 6 Days	45,000	4	4000

Problem Statement 2 :

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Blood Donation</title>

</head>

<body>

  <div >Capital Blood Bank Centre</h1>

  <div>

    <button id="getdata" onclick="Display()" class="bg-blue-600 hover:bg-blue-700
text-white font-bold py-3 px-6 rounded-md shadow-md transition duration-300 ease-in-
out transform hover:scale-105">

      Get Data From API

    </button>

    <p id="displaymessage" class="text-center text-green-600 font-semibold"></p>

  </div>

  <form id="form1" >

    <fieldset">

      <legend >Search Donor Details</legend>

      <table id="detailstable" class="min-w-full">

        <tr>

          <th>Blood Group</th>

          <td>

            <select id="bloodgroup" name="bloodgroup"
```

```
class="mt-1 block w-full pl-3 pr-10 py-2 text-base border-gray-300
focus:outline-none focus:ring-blue-500 focus:border-blue-500 sm:text-sm rounded-md
shadow-sm">
```

```
<option value="" disabled selected>--Select--</option>
```

```
<option value="O+ve">O+ve</option>
```

```
<option value="O-ve">O-ve</option>
```

```
<option value="A+ve">A+ve</option>
```

```
<option value="A-ve">A-ve</option>
```

```
<option value="B+ve">B+ve</option>
```

```
<option value="B-ve">B-ve</option>
```

```
<option value="AB+ve">AB+ve</option>
```

```
<option value="AB-ve">AB-ve</option>
```

```
</select>
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<th><label for="city">City</label></th>
```

```
<td>
```

```
<input type="text" id="city" placeholder="Enter the city name"
```

```
class="mt-1 block w-full px-3 py-2 border border-gray-300 rounded-md
shadow-sm focus:outline-none focus:ring-blue-500 focus:border-blue-500 sm:text-
sm">
```

```
</td>
```

```
</tr>
```

```
</table>
```

```
<div class="mt-6">
```

```
<button type="button" id="search" onclick="blooddonors()"
```

```
class="w-full bg-green-600 hover:bg-green-700 text-white font-bold py-3
px-6 rounded-md shadow-md transition duration-300 ease-in-out transform
hover:scale-105">
```

```
        Search Blood Donor(s)

    </button>

</div>

</fieldset>

</form>

<div id="searchResults" class="mt-8">

</div>

</div>

<script src="Assessment2.js"></script>

</body>

</html>
```

```
document.addEventListener('DOMContentLoaded', () => {

    let personsData = null;

    const displayMessage = document.getElementById('displaymessage');
    const cityInput = document.getElementById('city');
    const bloodGroupSelect = document.getElementById('bloodgroup');
    const searchResultsDiv = document.getElementById('searchResults');

    async function Display() {

        const apiUrl =
'https://webapps.tekstac.com:8443/WebProjects/PersonService/viewPersonListJSON';

        displayMessage.textContent = 'Fetching data...';

        displayMessage.style.color = 'gray';
```



```

try {
    const response = await fetch(apiUrl);

    if (!response.ok) {
        throw new Error(` Network response was not ok: ${response.status}
${response.statusText} `);
    }

    const data = await response.json();

    personsData = data;

    displayMessage.textContent = 'Data fetched successfully!';
    displayMessage.style.color = 'green';

} catch (error) {
    console.error('Error fetching data:', error);

    displayMessage.textContent = 'Failed to fetch data. Please try again.';
    displayMessage.style.color = 'red';
    personsData = null;
}
}

function blooddonors() {
    searchResultsDiv.innerHTML = "";

    if (!personsData) {
        searchResultsDiv.innerHTML = '<p class="text-center text-red-600 font-semibold
text-lg">Please fetch data from API first.</p>';

        return;
    }

```

```

const selectedBloodGroup = bloodGroupSelect.value;

const enteredCity = cityInput.value.trim();

if (!selectedBloodGroup || !enteredCity) {

    searchResultsDiv.innerHTML = '<p class="text-center text-red-600 font-semibold text-lg">Please select a blood group and enter a city.</p>';

    return;

}

const foundDonors = personsData.filter(person => {

    const matchesBloodGroup = person.bloodGroup.toLowerCase() ===
selectedBloodGroup.toLowerCase();

    const matchesCity = person.city.toLowerCase() === enteredCity.toLowerCase();

    return matchesBloodGroup && matchesCity;

});

if (foundDonors.length === 0) {

    searchResultsDiv.innerHTML = '<p class="text-center text-red-600 font-semibold text-lg">No donors found in the specified city and blood group.</p>';

} else {

    let tableHTML = `

        <table id="resultsTable">

            <thead>

                <tr>

                    <th>Name</th>

                    <th>Age</th>

                    <th>Gender</th>

                    <th>Blood Group</th>

                    <th>City</th>

```

```
        <th>Mobile Number</th>

    </tr>

</thead>

<tbody>

`;
```

```
foundDonors.forEach(donor => {

    tableHTML += `

        <tr>

            <td>${donor.firstName} ${donor.lastName}</td>

            <td>${donor.age}</td>

            <td>${donor.gender}</td>

            <td>${donor.bloodGroup}</td>

            <td>${donor.city}</td>

            <td>${donor.phoneNumber}</td>

        </tr>

    `;

});
```

```
tableHTML += `

    </tbody>

</table>

`;

searchResultsDiv.innerHTML = tableHTML;

}

}
```

```
window.Display = Display;
```

```
window.blooddonors = blooddonors;
```

```
});
```

Snapshots:

