```
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>>
```

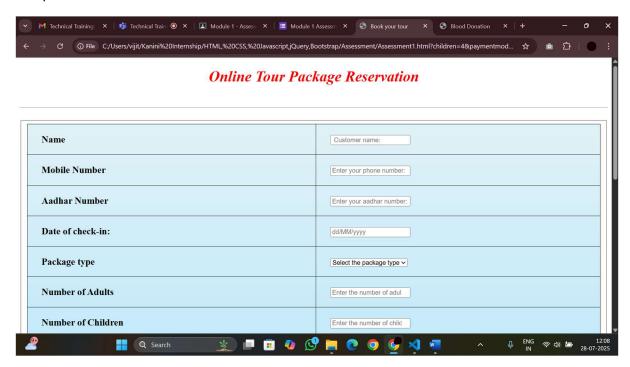
```
<form id="form1">
 <fieldset><center>
 <label for="Name" name="Customer Name">Name</label>
   <input type= "text" placeholder=" Customer name: id="Name" required
pattern="[A-Za-z]+">
   <label for="mobile" name="Mobile Number">Mobile Number</label>
   <input type= "text" placeholder="Enter your phone number:"
id="mobile" required pattern="^[789]\d{9}$" >
   <label for="aadhar" name="Aadhar Number">Aadhar Number</label>
   <input type= "text" placeholder="Enter your aadhar number:"
id="aadhar" required pattern="^[1-9]\d{11}$">
   <label for="checkindate" name="Date of Check in">Date of check-
in:</label>
   <input type= "text" placeholder="dd/MM/yyyy" id="checkindate" required
>
   <label for="packagetype" name="Package Type">Package
type</label>
   <select id="packagetype">
    <option value="" disabled selected>Select the package type</option>
    <option value="1 Night & 2 Days">1 Night & 2 Days
    <option value="2 Night & 3 Days">2 Night & 3 Days
    <option value="3 Night & 4 Days">3 Night & 4 Days
    <option value="4 Night & 5 Days">4 Night & 5 Days
    <option value="5 Night & 6 Days">5 Night & 6 Days
   </select>
   <label for="adults" name="Number of Adults">Number of Adults
</label>
   <input type="number" id="adults" placeholder="Enter the number of adults:"
required>
```

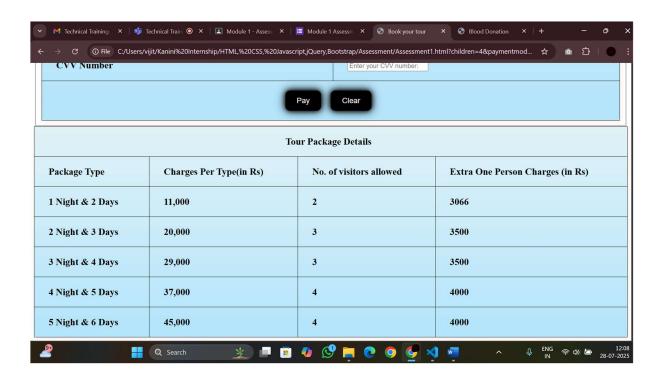
```
<label for="children" name="Number of Children">Number of Children
</lahel>
  <input type="number" id="children" name="children" placeholder="Enter the
number of children:" required>
  <label for="paymentmode">Payment Mode</label>
  <input type="radio" id="CC" name="paymentmode1" required></input>
 <label for="CC">CC</label>
<input type="radio" id="DC" name="paymentmode1" required></input>
 <label for="DC">DC</label>
  <label for="cardnumber">Card Number</label>
  <input type= "text" placeholder="Enter your card number:" id="cardnumber"
name="cardnumber" required pattern="^[3-5]\d{15}$">
  <label for="cvv"> CVV Number</label>
  <input type= "number" placeholder="Enter your CVV number: "id="cvv"
name="cvv" required pattern="^\d{3}$" >
  <button id="submit"class="button1"
name="submit" type="submit">Pay</button> &nbsp;&nbsp;
  <button class="button1"id="reset" name="reset"</pre>
type="reset">Clear</button>
  </center>
</fieldset></form>
 Tour Package Details
  Package TypeCharges Per Type(in Rs)No. of visitors
allowedExtra One Person Charges (in Rs)
  1 Night & 2 Days11,00023066
  2 Night & 3 Days20,00033500
  3 Night & 4 Days29,00033500
  4 Night & 5 Days37,00044000
  5 Night & 6 Days45,00044000
```

</body>

</html>

Snapshots:





```
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</pre>
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>
    </div>
   <form id="form1" >
    <fieldset">
      <legend >Search Donor Details</legend>
      Blood Group
         <select id="bloodgroup" name="bloodgroup"</pre>
```

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>
          <label for="city">City</label>
          <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">
          <div class="mt-6">
        <button type="button" id="search" onclick="blooddonors()"</pre>
            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.';
     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.';
     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.';
   } else {
     let tableHTML = `
      <thead>
          Name
           Age
           Gender
           Blood Group
           City
```

```
Mobile Number
      </thead>
     foundDonors.forEach(donor => {
   tableHTML += `
     ${donor.firstName} ${donor.lastName}
      ${donor.age}
      ${donor.gender}
      ${donor.bloodGroup}
      ${donor.city}
      ${donor.phoneNumber}
     });
  tableHTML += `
     searchResultsDiv.innerHTML = tableHTML;
 }
window.Display = Display;
```

}

window.blooddonors = blooddonors;

});

Snapshots:

