

**Project Development Phase**  
**Delivery of Sprint-2**

Date	04 November 2022
Team ID	PNT2022TMID30278
Project Name	Smart Solution for Railways

**Code:**

**Railways.html:**

```
<!DOCTYPE HTML>
```

```
<HTML>
```

```
<head>
```

```
<style>
```

```
body{
    background-image: url('https://images.unsplash.com/photo-1535535112387-
56ffe8db21ff?ixlib=rb-
4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w
=1174&q=80');
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: 100% 100%;
}

.outerbox{
    width: 550px;
    margin: 40px auto 0px auto;
    position: relative;
    top: 8px;
}

.innerbox{
    background-color: rgba(0,0,0,0.5);
    width: 100%;
    font-size: 18%;
    border-radius: 10px;
    border: 1px solid rgba(255,255,255,0.3);
    box-shadow: 2px 2px 15px rgba(0,0,0,0.3);
    color: white;
}

.form{
    margin: 110px;
    position: relative;
```

```

        bottom: 40px;
        height: 400px;
    }

    input,select{
        font-family: poppins;
        font-size: 18px;
        width: 300px;
        border: 1.5px solid #F0E161;
        border-radius: 3px;
        outline: 0;
        padding: 8px;
        background-color: #fff;
        box-shadow: inset 1px 1px 5px rgba(0, 0, 0, 0.3);
    }

    select{
        width: 319px;
        font-family: poppins;
        font-size: 18px;
        background-color: #fff;
        color: rgb(167, 163, 163);
    }

    .check{
        width: 200px;
        padding: 8px;
        font-size: 16px;
        font-family: poppins;
        border-radius: 3px;
        background-color: greenyellow;
        color: black;
        cursor: pointer;
        border: 1px solid rgb(255,255,255,0.3);
        box-shadow: 1px 1px 5px rgba(0,0,0,0.3);
        position: relative;
        left: 60px;
    }

    .select option:hover {background-color: #F0E161;}
    .btn{
        padding: 10px 60px;
        background-color: #F0E161;
        border: 0;
        outline: none;
        cursor: pointer;
        font-size: 22px;
        font-weight: 500;
    }

```

```

        border-radius: 30px;
        position: relative;
        left: 60px;
    }

</style>

<title>Registration</title>

</head>
<body>
<div class="outerbox">
<div class="innerbox">
<form class="form" name="regForm"> <br><br><br><br><br><br><br>

    <input type = "text" tabindex="1" class="name" placeholder = "From"
name="from" required></input><br><br><br>

    <input type = "text" tabindex="2" placeholder = "To" name="to"
required></input><br><br><br>

    <label for="html" style="font-size: 20px;">Departure</label><br>

    <input type = "date" tabindex="4" placeholder = "Departure"
name="departure" required></input><br><br><br>

    <input type = "number" min="1" max="100" tabindex="6" placeholder =
"Number of Passengers" name="numofPassengers" required></input><br><br><br>

    <select id="type" tabindex="8" name="type" required>
        <option value= "class">Class</option>
        <option value="firstClass">First Class</option>
        <option value="secondClass">Second Class</option>
        <option value="leeperClass">Sleeper Class</option>
        <option value="economyClass">Economy Class</option>
        <option value="ac">AC 2tire/2A</option>
    </select><br><br><br><br><br><br><br>

<button class="check" type = "button" tabindex="9" id="myBtn"
onclick="location.href='/Seats'">Check Availability</button>

</form>

</div>

```

```
<script src="js/form.js"></script>
</div>
```

### Seats.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" />
    <link rel="stylesheet" href="CSS/style.css" />
    <title>Train Seat Booking</title>
  </head>
  <body>
    <div class="train-container">
      <label>Pick a train:</label>
      <select id="train">
        <option value="100">Express</option>
        <option value="50">Passenger</option>
      </select>
    </div>

    <ul class="showcase">
      <li>
        <div class="seat"></div>
        <small>N/A</small>
      </li>

      <li>
        <div class="seat selected"></div>
        <small>Selected</small>
      </li>

      <li>
        <div class="seat occupied"></div>
        <small>Occupied</small>
      </li>
    </ul>

    <div class="container">

      <div class="row">
        <div class="seat"></div>
        <div class="seat"></div>
        <div class="seat"></div>
        <div class="seat"></div>
        <div class="seat"></div>
      </div>
    </div>
  </body>
</html>
```



```

    <div class="row">
      <div class="seat"></div>
      <div class="seat"></div>
      <div class="seat"></div>
      <div class="seat"></div>
      <div class="seat occupied"></div>
      <div class="seat occupied"></div>
      <div class="seat occupied"></div>
      <div class="seat"></div>
    </div>
  </div>

  <p class="text">
    You have selected <span id="count">0</span> seats for a price of
    Rs.<span id="total">0</span>
  </p><br>

  <button class="continue" type = "button" tabindex="9" id="myBtn">Book
Now</button>
  <script src="js/script.js"></script>
</body>
</html>

```

### **style.css:**

```

@import url('https://fonts.googleapis.com/css?family=Lato&display=swap');

* {
  box-sizing: border-box;
}

body {
  background-color: #242333;
  display: flex;
  flex-direction: column;
  color: white;
  align-items: center;
  justify-content: center;
  height: 100vh;
  font-family: 'Lato', 'sans-serif';
}

.train-container {
  margin: 20px 0;
}

.train-container select {
  background-color: #fff;

```

```
border: 0;
border-radius: 5px;
font-size: 14px;
margin-left: 10px;
padding: 5px 15px 5px 15px;
-moz-appearance: none;
-webkit-appearance: none;
appearance: none;
}

.container {
  perspective: 1000px;
  margin-bottom: 30px;
}

.seat {
  background-color: #444451;
  height: 12px;
  width: 15px;
  margin: 3px;
  border-top-left-radius: 10px;
  border-top-right-radius: 10px;
}

.seat.selected {
  background-color: #055011;
}

.seat.occupied {
  background-color: rgb(223, 25, 25);
}

.seat:nth-of-type(2) {
  margin-right: 18px;
}

.seat:nth-last-of-type(2) {
  margin-left: 18px;
}

.seat:not(.occupied):hover {
  cursor: pointer;
  transform: scale(1.2);
}

.showcase .seat:not(.occupied):hover {
  cursor: default;
  transform: scale(1);
}
```

```

}

.showcase {
  background-color: rgba(0, 0, 0, 0.1);
  padding: 5px 10px;
  border-radius: 5px;
  color: #777;
  list-style-type: none;
  display: flex;
  justify-content: space-between;
}

.showcase li {
  display: flex;
  align-items: center;
  justify-content: center;
  margin: 0 10px;
}

.showcase li small {
  margin-left: 10px;
}

.row {
  display: flex;
}

p.text {
  margin: 5px 0;
}

p.text span {
  color: #6feaf6;
}

.continue{
  width: 140px;
  padding: 8px;
  font-size: 16px;
  font-family: poppins;
  border-radius: 3px;
  background-color: rgb(16, 2, 48);
  color: rgb(223, 217, 217);
  cursor: pointer;
  border: 1px solid rgb(255,255,255,0.3);
  box-shadow: 1px 1px 5px rgba(0,0,0,0.3);
  position: relative;
  left: 60px;
  margin-right: 150px;}

```



### script.js:

```
const container = document.querySelector('.container');
const seats = document.querySelectorAll('.row .seat:not(.occupied)');
const count = document.getElementById('count');
const total = document.getElementById('total');
const trainSelect = document.getElementById('train');

populateUI();
let ticketPrice = +trainSelect.value;

// Save selected train index and price
function setTrainData(trainIndex, trainPrice) {
  localStorage.setItem('selectedTrainIndex', trainIndex);
  localStorage.setItem('selectedTrainPrice', trainPrice);
}

// update total and count
function updateSelectedCount() {
  const selectedSeats = document.querySelectorAll('.row .seat.selected');

  const seatsIndex = [...selectedSeats].map((seat) =>
[...seats].indexOf(seat));

  localStorage.setItem('selectedSeats', JSON.stringify(seatsIndex));

  //copy selected seats into arr
  // map through array
  //return new array of indexes

  const selectedSeatsCount = selectedSeats.length;

  count.innerText = selectedSeatsCount;
  total.innerText = selectedSeatsCount * ticketPrice;
}

// get data from localstorage and populate ui
function populateUI() {
  const selectedSeats = JSON.parse(localStorage.getItem('selectedSeats'));
  if (selectedSeats !== null && selectedSeats.length > 0) {
    seats.forEach((seat, index) => {
      if (selectedSeats.indexOf(index) > -1) {
        seat.classList.add('selected');
      }
    });
  }

  const selectedTrainIndex = localStorage.getItem('selectedTrainIndex');
```

```

    if (selectedTrainIndex !== null) {
      trainSelect.selectedIndex = selectedTrainIndex;
    }
  }

  // Seat select event
  trainSelect.addEventListener('change', (e) => {
    ticketPrice = +e.target.value;
    setMovieData(e.target.selectedIndex, e.target.value);
    updateSelectedCount();
  });

  // Seat click event
  container.addEventListener('click', (e) => {
    if (e.target.classList.contains('seat')
    && !e.target.classList.contains('occupied')) {
      e.target.classList.toggle('selected');

      updateSelectedCount();
    }
  });

  // initial count and total
  updateSelectedCount();

```

### Testcase:



