Project Report

Title: Railway Reservation System

Website Name: BookYourTicket.com

BACHELOR OF TECHNOLOGY

Computer Science and Engineering

(2022-2026)

Submitted to

Mrs. Aashima

LOVELY PROFESSIONAL UNIVERSITY

PHAGWARA, PUNJAB

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<u>Contents</u>

- Technologies used

- Features of Project

- Screenshots

- Flow of project

- Conclusion

- References

<u>Technologies Used</u>

PC- Windows 10 System | intel core i3 processor | 8GB RAM

Software used- VS Code

For Code Ideas- Google.com and YouTube.com

For Images - Google Images

Front End- HTML

Styling- CSS

Features of Project-

Database Design: Database design is the process of producing a detailed data model of database. This data model contains all the need logical and physical design choices and physical storage parameters needed to generate a design in a data definition language, which can then be used to create a database.A fully attributed data model contains detailed attributes for each entity. The term database design can be used to describe many different part of the design of an overall database system. Principally, and most correctly, it can be thought of as the logical design of the base data structure used to store the data.In the relational model these are the tables and views.In an object database the entities and relationships map directly to object classes and named relationships. However, the term database design could also be used to apply to the overall process of designing ,not just the base data structure, but also the forms and queries used as part of the over all data base application within the database management system

Screenshots

--HTML Code—

(index)

```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>Book Your Train Ticket From Your Home | BookYourTrip.com</title>

   <link rel="stylesheet" href="CSS/style.css">

   <style>

     body{background-color: rgb(37, 37, 34); }

     .maindiv{

        width: 900px;

        height: 400px;

        position: absolute;

        left: 850px;

        top: 350px;

        transform: translate(-50%, -50%);

        background-image: url("img1.jpg");

        background-size: 100% 100%;

        box-shadow: 1px 2px 10px 5px white;
```

```css
    animation:15s slider infinite linear;

    z-index: -1;

  }


  @keyframes slider{

    0%{background-image: url("img1.jpg"); }

    19%{background-image: url("img2.jpg");}

    36%{background-image: url("img3.jpg");}

    49%{background-image: url("img4.jpg");}

    69%{background-image: url("img5.jpg");}

    85%{background-image: url("img6.jpg");}

  }
```
    </style>

</head>

<body>

  <nav id="navbar">

    <div id="logo">

      <img src="pngegg.png" alt="BookYourTrip.com">

    </div>

      <li class="item">Home

      <li class="item">Meals

      <li class="item">Holiday Packages

      <li class="item">Service At Station

```html
      <li class="item"><a href="http://127.0.0.1:5500/contact.html" target="_blank">Contact Us</a></li>

    </ul>

  </nav>


  <section id="home">


  <div class="maindiv">


  </div>

  </section>

  <hr/>

  <section id="holidays-container">

    <h1 class="h-primary center"><center><hr/>HOLIDAYS<hr/></h1>

    <div id="holidays">

      <div class="box">

        <img src="img/1.png" alt="">

        <h2 class="h-secondary center">Tourist Trains</h2>

        <p class="center" style="color:rgb(105, 88, 119);">   <br/>To Goa:- Train No. 22119: "Tejas
Express", Train No. 12223:"Ltt Duronto", Train No. 02198:"Jbp Cbe Sp" <br/>  <br/>

            To Kerala:- Train No. 12626: "Kerala SF express", Train No. 12618: "Mangala Lakshadweep SF
express" <br/>  <br/>

            To Shimla:- Train No. 52457: "Kalka-Shimla NG Passenger", Train no. 04505: "Rail Motor Car
Special"</p>

      </div>

      <div class="box">

        <img src="img/2.png" alt="">

        <h2 class="h-secondary center">International Packages</h2>
```

```html
        <p class="center" style="color:rgb(224, 130, 53);">   <br/>Maldives(3 Nights and 4 Days) for
₹7300, including Breakfast, Dinner + Sightseeing tour + Transfers <br/>   <br/>

            Dubai (4 Nights and 5 Days) for ₹11700, including Breakfast + Sightseeing Tours + Transfers <br/>
  <br/>

            switzerland (3 Nights and 4 Days) for ₹7800, including Breakfast + Sightseeing Tours +
Transfers</p>

        </div>

        <div class="box">

          <img src="img/3.png" alt="">

          <h2 class="h-secondary center">National Packages</h2>

          <p class="center" style="color:rgb(61, 199, 56);">   <br/>GOA (3 Nights and 4 Days) for ₹7300,
including Breakfast, Dinner + Sightseeing tour + Transfers <br/>   <br/>

            KERALA (4 Nights and 5 Days) for ₹11700, including Breakfast + Sightseeing Tours + Transfers <br/>
  <br/>

            ANDAMAN (3 Nights and 4 Days) for ₹7800, including Breakfast + Sightseeing Tours + Transfers</p>

        </div>

      </div>

    </section>


  <section id="ticket">


    <div id="ticket-box">

      <form action="">

        <h1 style="color:rgb(255, 255, 255)"> <center>Book your ticket here</h1>

        <div class="form-group">

          <label for="name">  </label>

          <input type="text" name="name" id="name" placeholder="From">

        </div>
```

```html
            <div class="form-group">

                <label for="email"><center><img src="img/updown.png" width="20" height="20" > </label>

                <input type="email" name="name" id="email" placeholder="To">

            </div>

            <div class="form-group">

                <label for="phone">  </label>

                <input type="phone" name="name" id="phone" placeholder="DD-MM-YYYY">

            </div>

            <div class="form-group">

                <label for="message">  </label>

                <input type="message" name="name" id="message" placeholder="Add Class">

            </div>

            <button class="btn"> Find Trains</button>

            </div>

        </form>

      </div>

   </section>


   <div class="footer" style="color:rgb(252, 252, 253);">

      Copyright &copy; www.BookYourTicket.com. All rights reserved!

   </div>


</body>

</html>
```

--CSS--

(style)

```css
/* CSS Reset */

*{

    margin: 0;

    padding: 0;

}

/* CSS Variables */

:root{

    --navbar-height: 59px;

}

/* Navigation Bar */

#navbar{

    display: flex;

    align-items: center;

}

/* Navigation Bar: Logo and Image */

#logo{

    margin: 4px 30px;

}

#logo img{

    height:85px;

    margin: 3px 6px;

}

/* Navigation Bar: List Styling */
```

```css
#navbar{

  position: relative;

}

#navbar ul{

  display: flex;

}

#navbar::before{

  content:"";

  background-color: rgb(21, 67, 85);

  position: absolute;

  height: 100%;

  width:100%;

  z-index: -1;

  opacity: 0.8;

}

#navbar ul li{

  list-style: none;

  font-size: 1.3rem;

}

#navbar ul li a{

  color: white;

  display: block;

  padding: 3px 22px;

  border-radius: 20px;

  text-decoration: none;

}
```

```css
#navbar ul li a:hover{

    color: black;

    background-color: white;

}

/* Home Selection*/

#home::before{

    content:"";

    background: url('bgd.jpeg') no-repeat center center/cover;

    position: absolute;

    height: 170%;

    width:100%;

    z-index: -1;

    opacity: 0.89;

}

/* Holidays Section */

#holidays{

  margin: 34px;

  display: flex;

}

#holidays .box{

  border: 2px solid brown;

  padding: 34px;

  margin: 2px 55px;

  position:relative;

  top:  500px;

  border-radius: 28px;
```

```css
  background: #f2f2f2;

  margin-bottom: 20px;

}

#holidays .box img{

  height: 160px;

  margin: auto;

  display: block;

}

#holidays .box p{

   font-family: 'Bree Serif', serif;

}

.h-primary center{

   position:absolute;

   left:600px;

   top:580px;

   color:rgb(233, 101, 49) ;

}

/* Ticket Section */

#ticket{

   position: relative;

}

#ticket::before{

   content: "";

   position: absolute;

   width: 100%;

   height: 100%;
```

```css
    z-index: -1;

    opacity: 0.7;

    background: url('../contact.jpg') no-repeat center center/cover;


}
#ticket-box{

    display: flex;

    position: absolute;

    width:500px;

    top:-520px;

    left:75px;

    padding-bottom: 34px;

}
#ticket-box input,

#ticket-box textarea{

    width: 100%;

    padding: 0.5rem;

    border-radius: 9px;

    font-size: 1.1rem;

}
#ticket-box form{

    width: 40%;

}
#ticket-box label{

  font-size: 1.3rem;

  font-family: 'Bree Serif', serif;
```

```css
    }
.btn{

    padding: 6px 20px;

    position:absolute;

    left: 30px;

    border: 2px solid white;

    background-color: rgb(42, 165, 149);

    color: white;

    margin: 17px;

    font-size: 1.0rem;

    border-radius: 10px;

    cursor:pointer;

}
.footer{

    position: absolute;

    bottom: -600px;

    left: 0;

    right: 0;

    height:20px;

    background:rgb(10, 9, 9);

}
```

--services.html--

```html
<!doctype html>

<html>

<head>

<title> Services At Station</title>

<style>

  #text{

    position:absolute;

    font-size: 76px;

    left: 540px;

    top: -46px;

    height: 120px;

  }

  body{background-color: rgb(46, 49, 49);}

</style>

</head>

<body>

  <img src= "services.webp"width="1330" height="670">

  <h1 id="text">Services </h1>

</body>

</html>
```

--contact.html—

```html
<!doctype html>

<html>

<head>

<title> Contact Us </title>

<style>

   #center{

      position:absolute;

      top:100px;

      left:460px;}

   body{background-color: rgb(68, 100, 100);}

</style>

</head>

<body id="center">

   <h1> <hr/>Contact Us <hr/></h1>

   <a href="https://www.google.com/intl/en_in/gmail/about/" target="_blank"><img src="gmail.png" width="120px" height="80px"></a>    

   <a href="https://www.instagram.com/" target="_blank"><img src="instagram.png" width="80px" height="80px"></a>

              

   <a href="https://twitter.com/" target="_blank"><img src="twitter.png" width="75px" height="75px"></a>

      

   <a href="https://www.facebook.com/" target="_blank"><img src="facebook.png"

      width="140px" height="80px"></a><hr/>

</body>

</html>
```

--meals.html—

```html
<!doctype html>

<html>

<head>

<title> Get Your Meals Here </title>

<style>

  #text{

    position:absolute;

    font-size: 100px;

    left: 540px;

    top: 20px;

    height: 120px;

  }

  body{background-color: rgb(46, 49, 49);}

</style>

</head>

<body >

  <img src= "meals.webp" width="1330" height="670">

  <h1 id="text">Meals</h1>

</body>

</html>
```
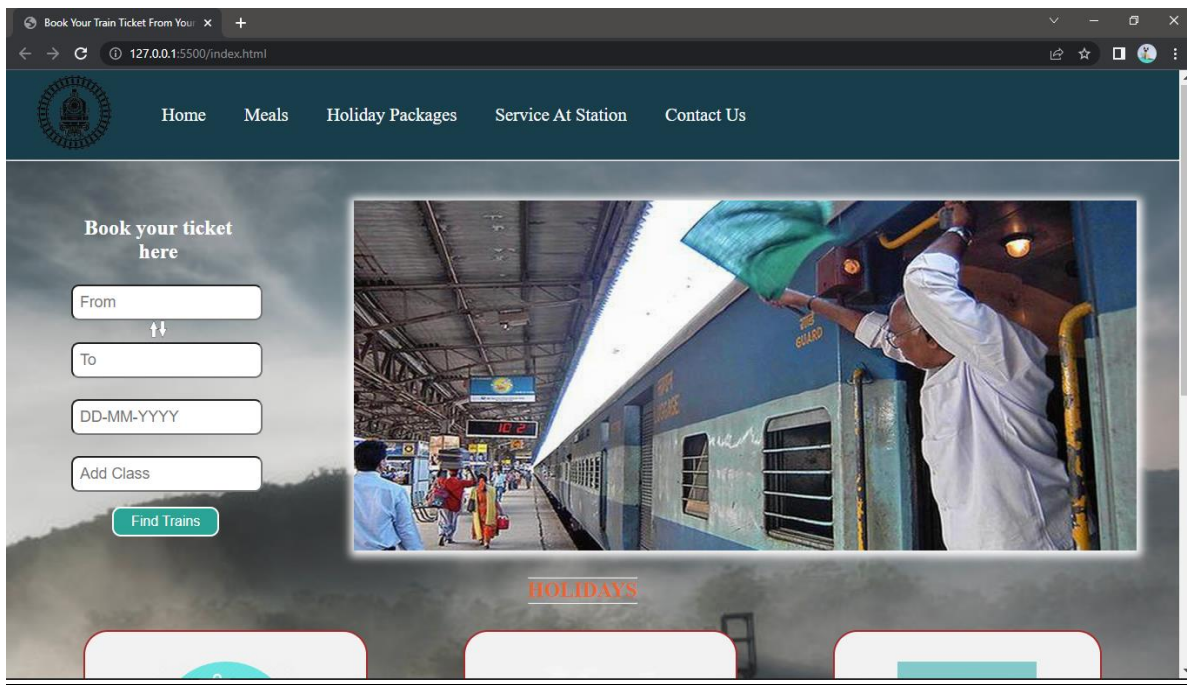
--holiday packages--

```html
<!doctype html>

<html>

<head>

<title> Best Holiday Packages </title>

<style>

    body{background-color: rgb(46, 49, 49);}

</style>

</head>

<body>

    <img src= "holiday packages.jpg"width="1330" height="670">

</body>

</html>
```
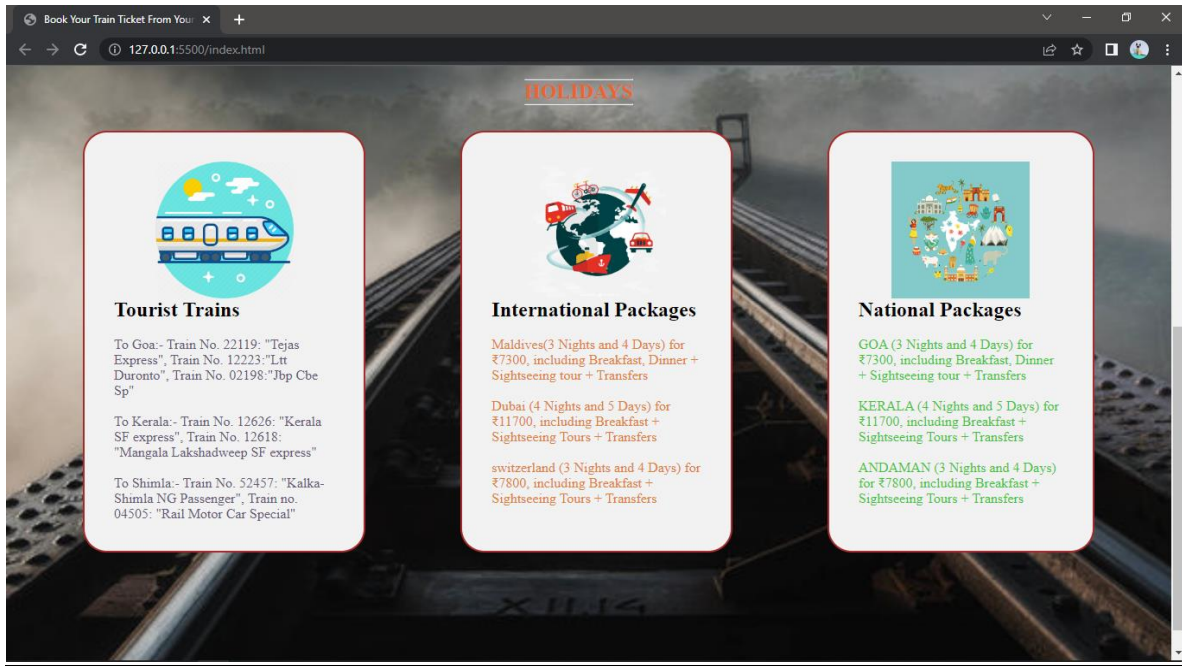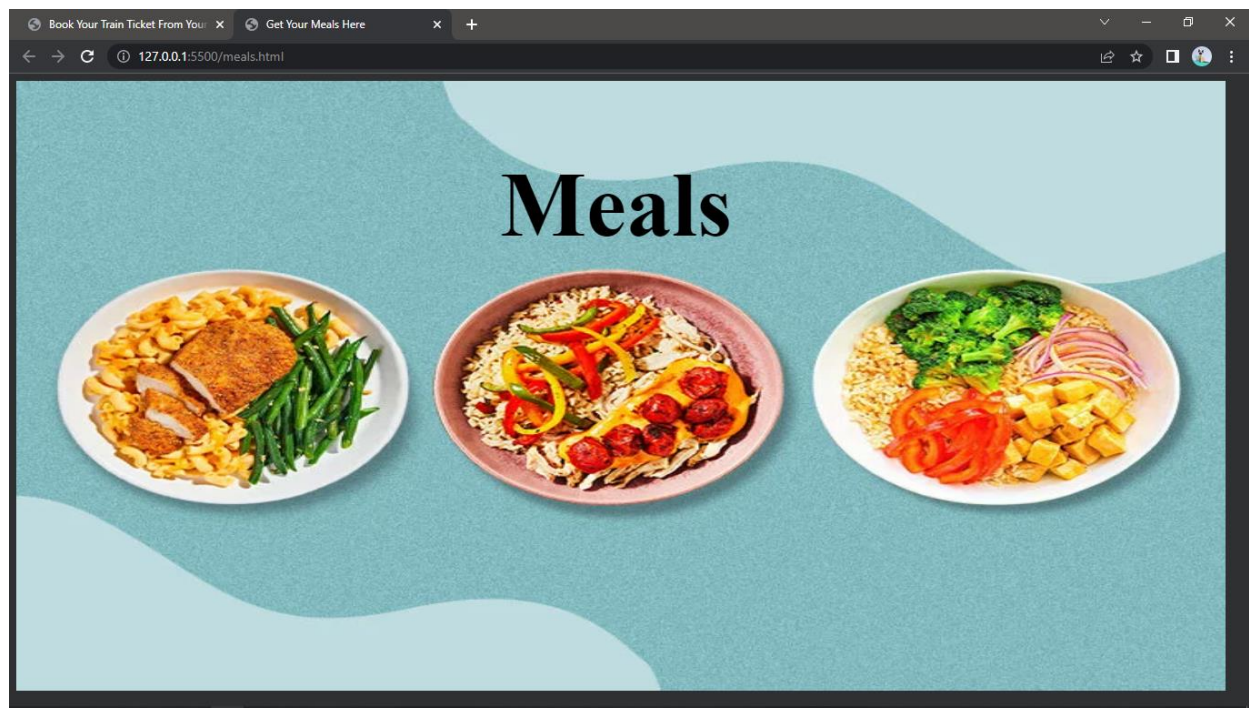
Website's Screenshots

Home Page:-

This is the main Home Page of our website.

HTML code- index.html

CSS styling- styling.css

Meals:- "Meals" option at the home page will take the user to this page.
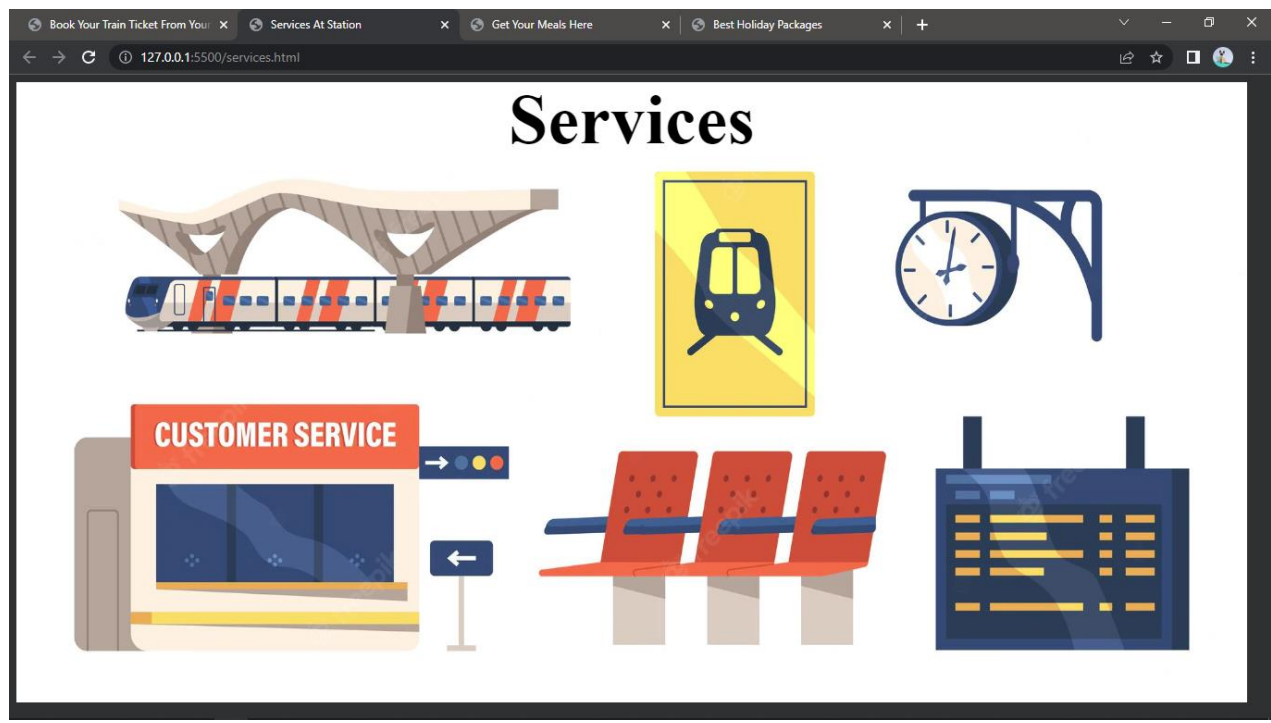
HTML code- meals.html

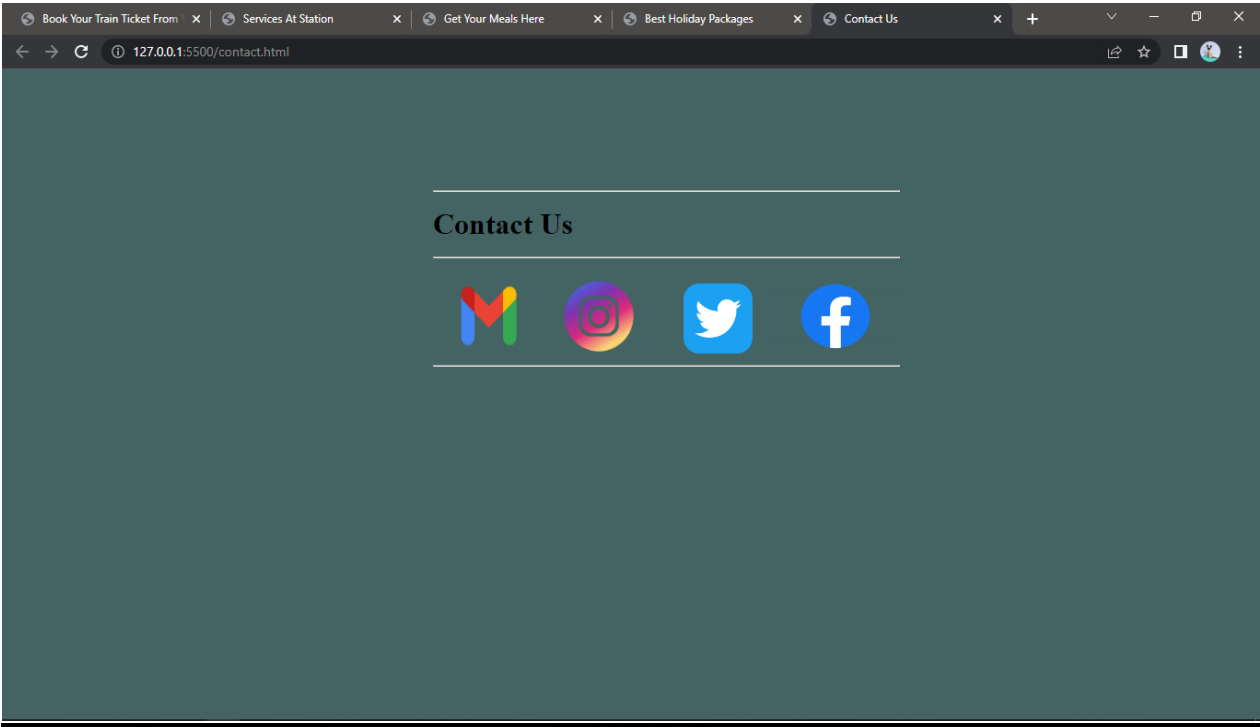**Holiday Packages:-** "Holiday packages" option at home page will take the user to this page.

HTML code- holiday packages.html

Services:- "Services at Station" option at the home page will take the user to this page.

Contact Us:- "Contact Us" option at the home page will take the user to this page.

Contact Us

Flow of Project

Team: solo

Made the outlet first

Learnt things From Class and Online

Made home first

Did the html and css

Conclusion

This project has been are warding experience in more than one way .The entire project work has enlightened us in the following areas.

a) We have gained an insight into the working of the UMS.

b) Our understanding of database design has been strengthened this is because in order to generate the final reports of data base designing has to be properly followed.

c) Scheduling a project and adhering to that schedule creates a strong sense of time management. d) Sense of teamwork has developed and confidence of handling real life project has increased to a great extent.

References

1.HTML &CSS https://www.w3s chools.com/,

2.Bootstrap phttp://getbootstrap. com/,

 3. https://www.geeksforgeeks.org/

 4. youtube.com/CodeWithHarry

5. for images- Google.com