

PROFESSIONAL TRAINING REPORT
At
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfilment of the requirements for the
award of Bachelor of Engineering Degree in Computer
Science and Engineering

By
CHAPPIDI SINDHUJA
(REG. NO. 40110241)





**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

SCHOOL OF COMPUTING

**SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY**
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI – 600119, TAMILNADU

OCT 2022

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **CHAPPADI SINDHUJA (Reg. No: 40110241)** who carried out the project entitled “**RAILWAY RESERVATION SYSTEM**” under my supervision from August 2022 to October 2022.

Internal Guide

Dr.M.Sankari

Head of the Department

Dr.L. Lakshmanan, M.E., Ph.D.

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I, **CHAPPIDI SINDHUJA** (Reg. No. **40110241**) hereby declare that the Project report entitled "**RAILWAY RESERVATION SYSTEM**" done by me under the guidance of **Dr.M.Sankari** is submitted in partial fulfilment of the requirements for the award of Bachelor of Engineering degree in Computer Science and Engineering.

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T.Sasikala, M.E., Ph.D., Dr. S. Vigneshwari , M.E., Ph.D. and Dr. L. Lakshmanan, M.E., Ph.D., Heads of the Department of Computer Science** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **Dr.M.Sankari** for her valuable guidance, suggestions and constant encouragement paved the way for the successful completion of my project work.

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TRAINING CERTIFICATE

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ABSTRACT

The Indian Railways (IR) carries about 5.5 lakhs passengers in reserved accommodation every day. The Computerised Passenger Reservation System (PRS) facilitates the booking and cancellation of tickets from any of the 4000 terminals (I. e., PRS booking window all over the countries). These tickets can be booked or cancelled for journeys commencing in any part of India and ending in any other part, with travel time as long as 72hours and distance up to several thousand kilo meters. In the given project we will be developing a website which will help users to find train details, book and cancel tickets and the exact rates of their tickets to the desired destination. With the help of online booking people can book their tickets online through internet, sitting in their home by a single click of mouse. Using their credit cards people can easily get their tickets done within minutes.

INTRODUCTION

1.1 General

Overview Our website has various kinds of information that helps regarding booking of tickets via railways. Users will be able to search the train availability, the exact fare, the arrival and departure time of the train and they can also book the ticket by using the debit, credit or master card and after booking the ticket if the user want to cancel it then they can easily do it also.

1.2 Survey

Railway passengers frequently need to know about their ticket reservation status, ticket availability on a particular train or for a place, train arrival or departure details, special trains etc. Customer information centres at the railway stations are unable to serve such queries at peak periods. The number of the reservation counters available to the passengers and customers are very less. On most of the reservation systems there are long queues, so it takes a long time for any individual to book the ticket. As now there are no call centres facilities available to solve the queries of the passengers.

The online railway ticket reservation system aims to develop a web application which aims at providing trains details, trains availability, as well as the facility to book ticket in online for customers. So, we thought of developing a Web based application which would provide the users all these facilities from his terminal only as well as help them in booking their tickets. The Application was to be divided into two parts namely the user part, and the administrator part. And each of these has their corresponding features. We decided to give the name of the website “**ONLINE RAILWAY TICKET RESEVATION**”. The online railway ticket reservation system is developed using HTML, CSS, BOOTSTRAP, MYSQL, PHP, JAVASCRIPT.

1.3 Objectives:

The objective of the online railway ticket reservation system Project is to design software to fully automate the process of issuing a railway ticket. That is:

1. To create a database of the trains
2. To search the trains it's arrival and departure time, distance between source and destination
3. To check the availability of the ticket.
4. To calculate fare.
5. To book the ticket.
6. To cancel the ticket if necessary.

1.4 Analysis

Online railway ticket reservation is a online ticket booking website, which is capable of booking ticket and search the train availability. This website is mainly created to fulfil the following requirements, it comprises of the following properties:-

1. A central database that will store all information.
2. An online website that will provide real- time information about the availability of tickets their prices.
3. Every registered user is able to view his booking id that has been made in his/her name.
4. Every registered user can change his password any time he wants to change.
5. Every guest user can search train availability, price of the ticket, arrival and departure time, distance between source and destination etc.
6. Every registered user has the facilities to print his ticket any time he wishes.
Administration login
 - a. In admin mode the administrator can make changes in train details.
 - b. He can also view all booking that has been made by different users.
7. The booking window contains all the facilities at one place, the user can simply login to his account and can book his ticket.

1.5

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6.2	Main difficulties encountered
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6.4	Future Scope of work
7	References/Bibliography

1.6 Organization of the report

The report has been organized into seven sections, each section dealing with a different aspect of project and its development. A brief overview of each of the section is in order. The Software Requirements Specification section will deal with the technical details of the proposed system. It will contain information regarding the developmental and operational environments, user interfaces, functional and requirements specifications and the exception and error handling features of the system. The Design section will provide a detailed insight into the working of the system, how the system to be framed to make the implementation error free and to avoid a possible rework. All the features mentioned in the SRS section will be dealt with in detail through the means of architectural design, block diagram, detailed data flow diagrams, structure charts, flow chart and any other relevant method. Through the use of pseudo-codes, the Implementation Details section will provide the final design step before actual implementation of the system. It will list all the functions that will be used in the system, parameters used by them, what results they will produce and how they will interact with the rest of the system. All queries regarding the actual performance of the developed system will be cleared in the Results and Discussion section. It will list all the test cases, results of those tests and a discussion on whether these tests yielded the desired results or not. If negative, this section will also provide information regarding the failure. Concluding all this will be the Summary and Conclusion section which will round up the entire discussion. This will be followed by the Reference/Bibliography section that will tell about the books and site that have been referred by us while developing the website.

1.7 Existing System

India, with having larger population with the larger geographical size. There is very need for long distance transportation service. Long distance roads are not properly developed in India. Very large volume of traffic is carried out over long distance by the Indian Railways. It is very important for transportation facilities for long distance in India where long distance transportation is very common. This will reduce the time and effort for going to railway office and applying for this facilities for transportation. Like for ticket reservation a person goes to railway reservation office and stands in queue for their turn just for booking or reserving seats to spare the time we created Online Reservation system now we can hold, search or drop even assemble data about other train just by a tap or click.

1.8 Proposed System

- 1 This project aims to verify to diminish complexity of existing system
- 2 Successful administration of time.
- 3 To make work simple, straightforward and blunder free.
- 4 Compelling use of accessible asset.
- 5 To improve the productivity and enhancement of administrations exercises.
- 6 Easy to use.
- 7 Special reservation for ladies and senior citizens at the time of tatkal ticket booking

CHAPTER 2.

Software Requirements Specification

2.1 Development Environments

Hardware

Intel core 2 duo T6400 2.00 GHz with 2GB RAM, 250 GB hard disk space and other Standard accessories.

Environment and Applications:

1. Microsoft Windows 7.
2. Microsoft Visual Studio.
3. Microsoft SQL Server.
4. Microsoft Internet Explorer.

2.2 Operating environment:

Hardware configuration:

The minimum configuration for hardware is given below:

1. Intel® Pentium® or higher processor.
2. 65 MB RAM or higher

Software configuration:

1. Microsoft® Windows® XP or later versions
2. A standard web browser.
3. XAMPP MYSQL server

CHAPTER 3. DESIGN

3.1 Detailed design specification:

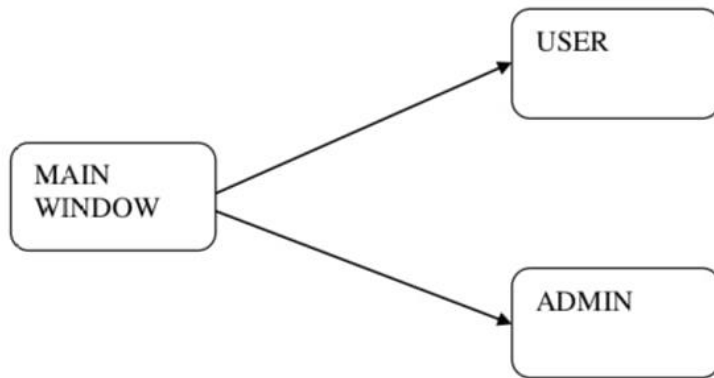


Fig: Homepage

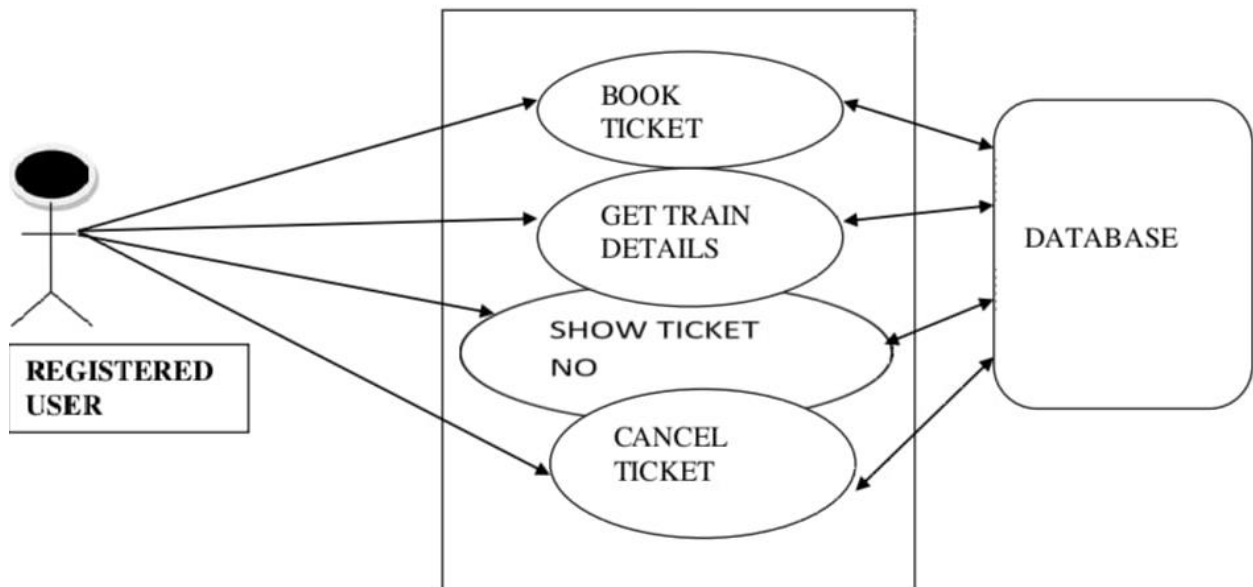
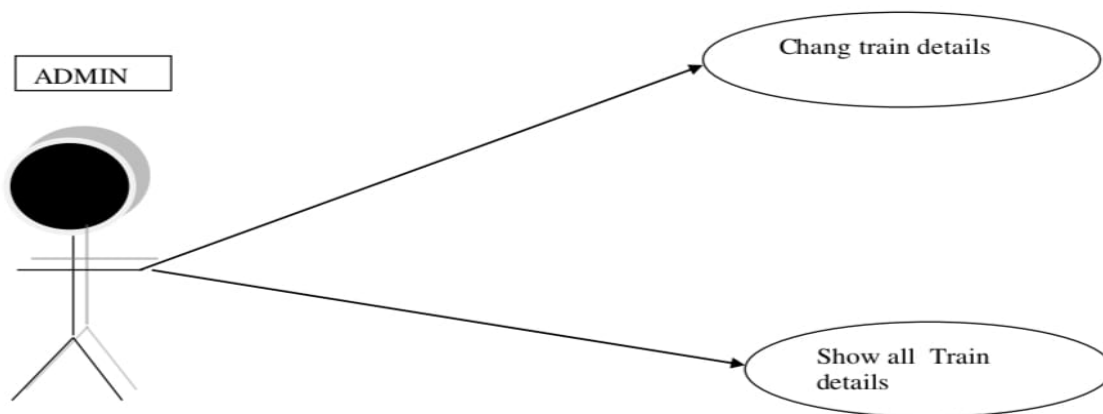
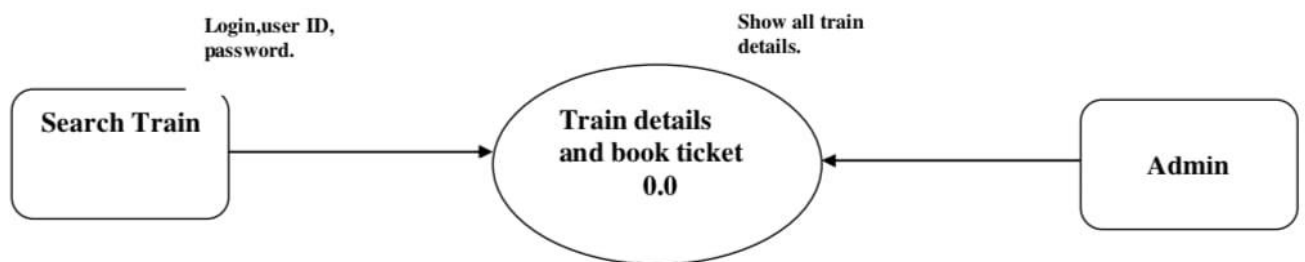


Fig: User's booking window

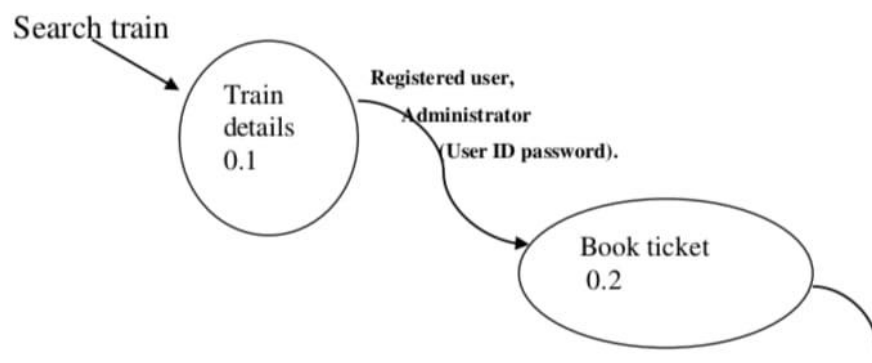


3.2 Data Flow Diagram

3.2.1 Level 0: CONTEXT DIAGRAM

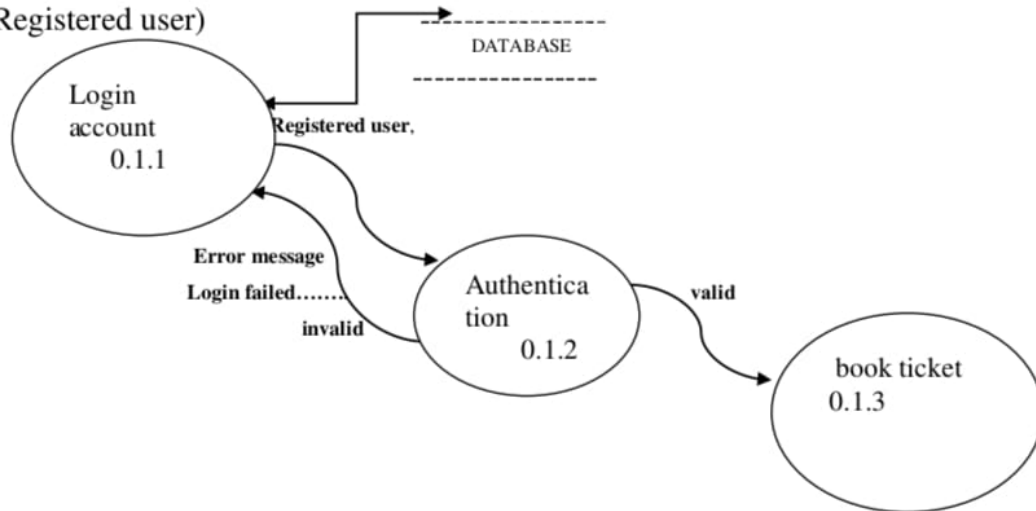


3.2.2 Level 1 DFD

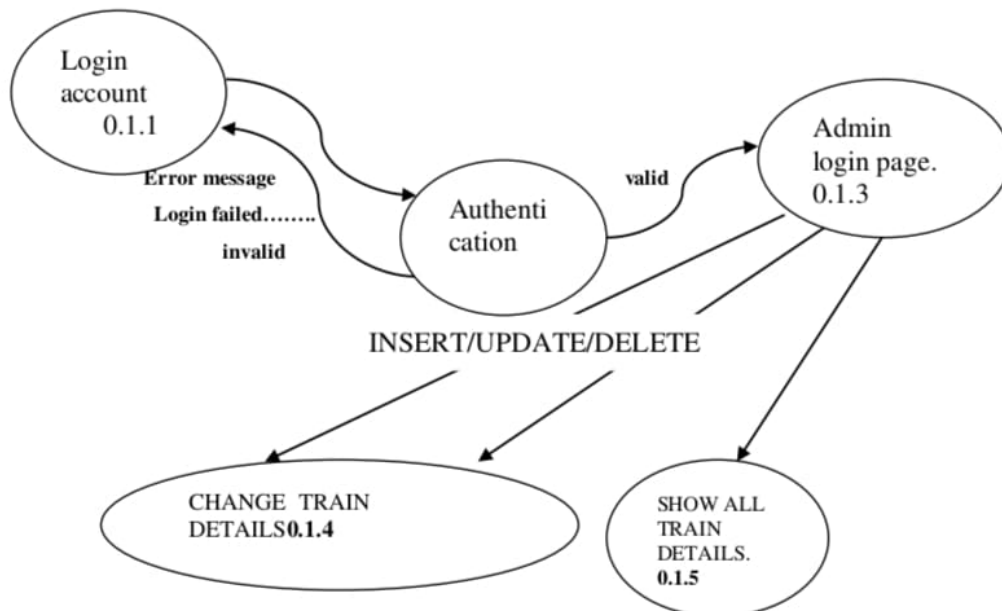


3.2.3 Level 2 DFD

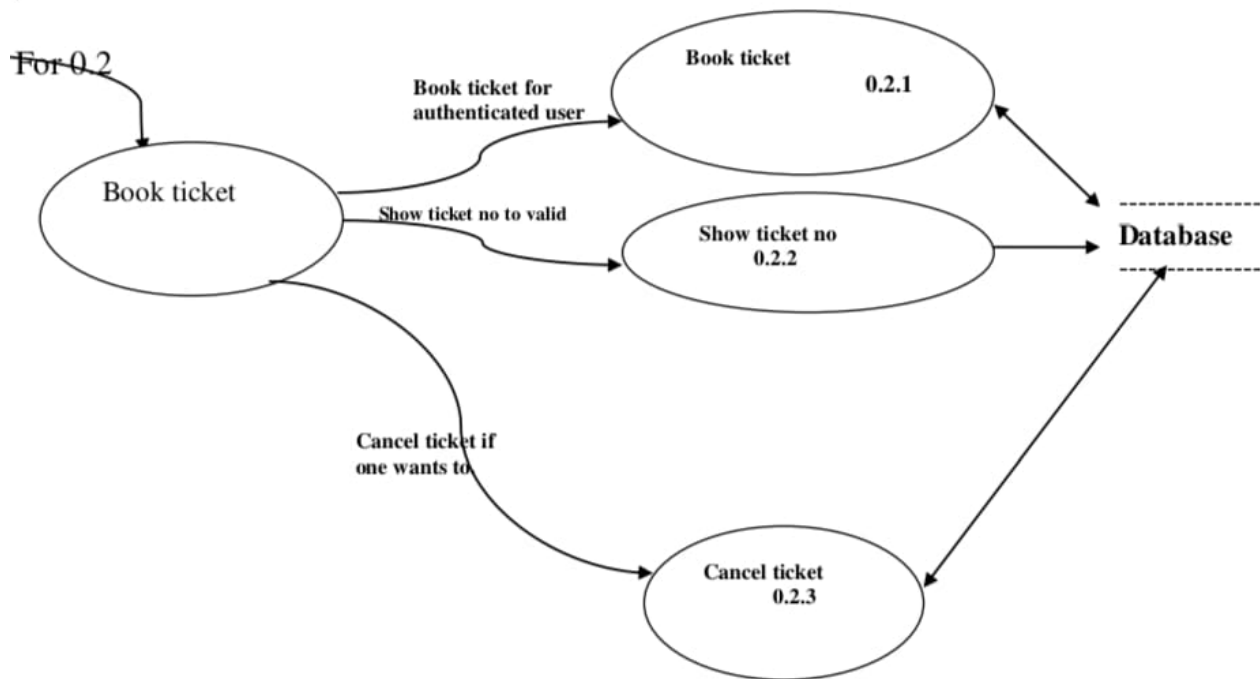
For 0.1(Registered user)



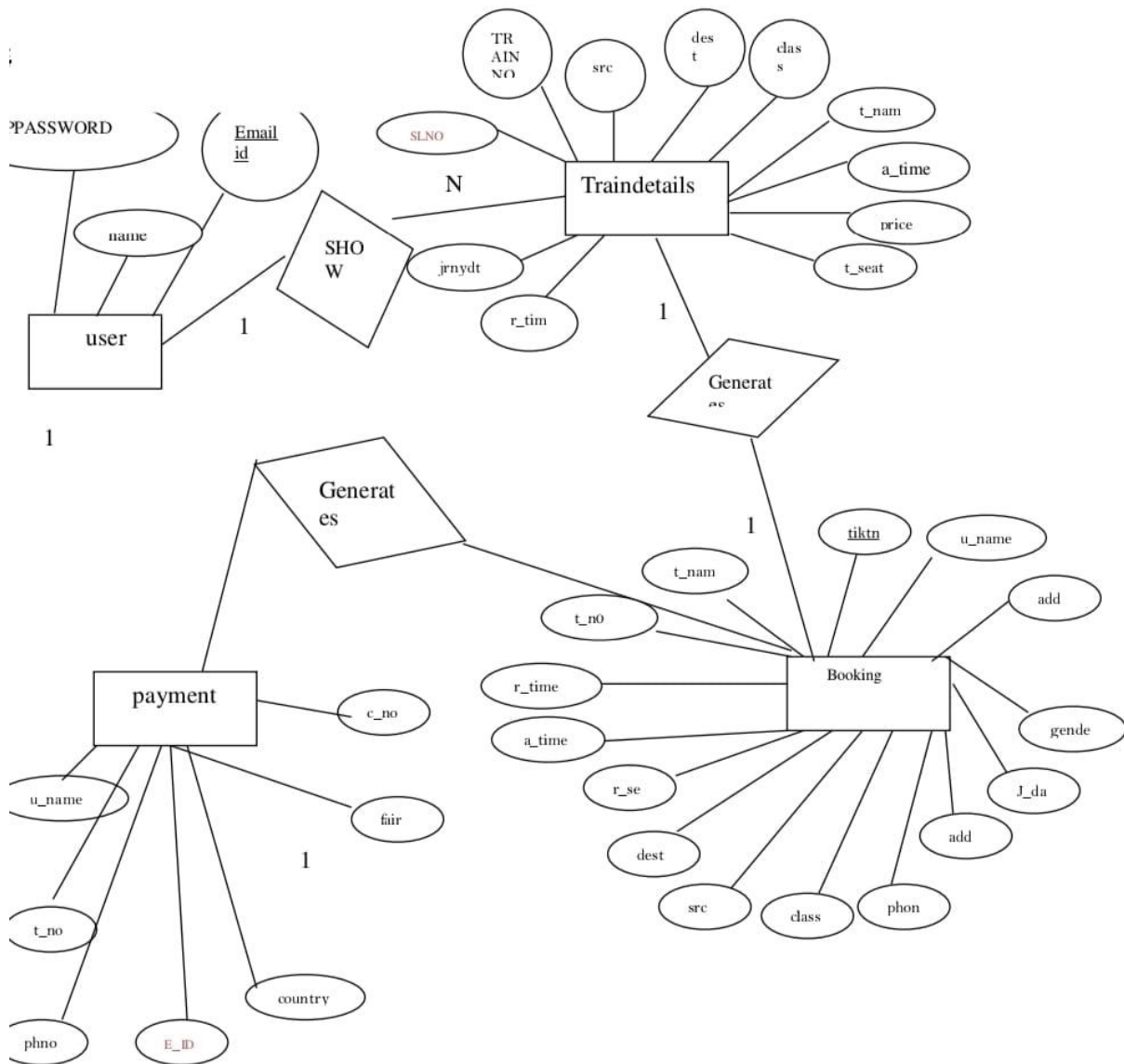
(Administrator)



3.2.4 Level 3 DFD



3. E-R DIAGRAM



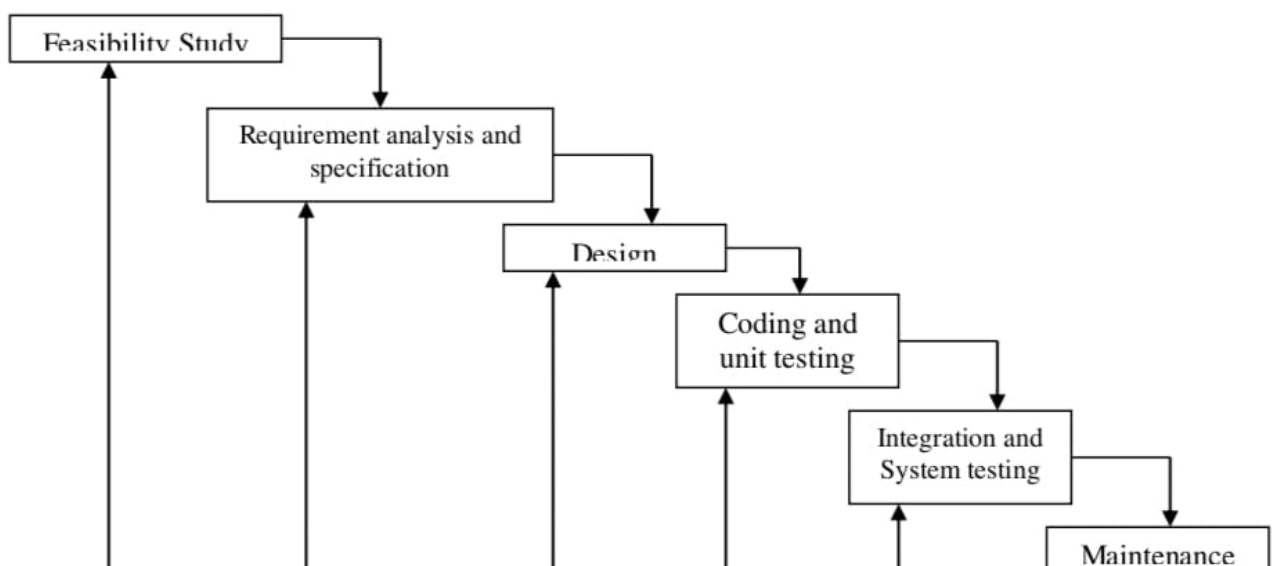
CHAPTER 4.

SDLC (Software development Life Cycle)

Every activity has a life cycle and software development process is not an exception for the same. Even if you are not aware of SDLC you still must be following it unknowingly. But if a software professional is aware about SDLC he can execute the project in a much controlled fashion. One of the big benefits of this awareness is that hot blooded developers will not start directly execution (coding) which can really lead to project running in an uncontrolled fashion. Second it helps customer and software professional to avoid Confusion by anticipating the problems and issues before hand. In short SDLC defines the various stages in a software life cycle. But before we try to understand what SDLC is all about. We need to get a broader view of the start and end of SDLC. Any project started if it does not have a start and end then its already in trouble. It's like if you go out for a drive you should know where to start and where to end or else you are moving around endlessly. Below is the figure that shows typical flow in SDLC which has five main models.

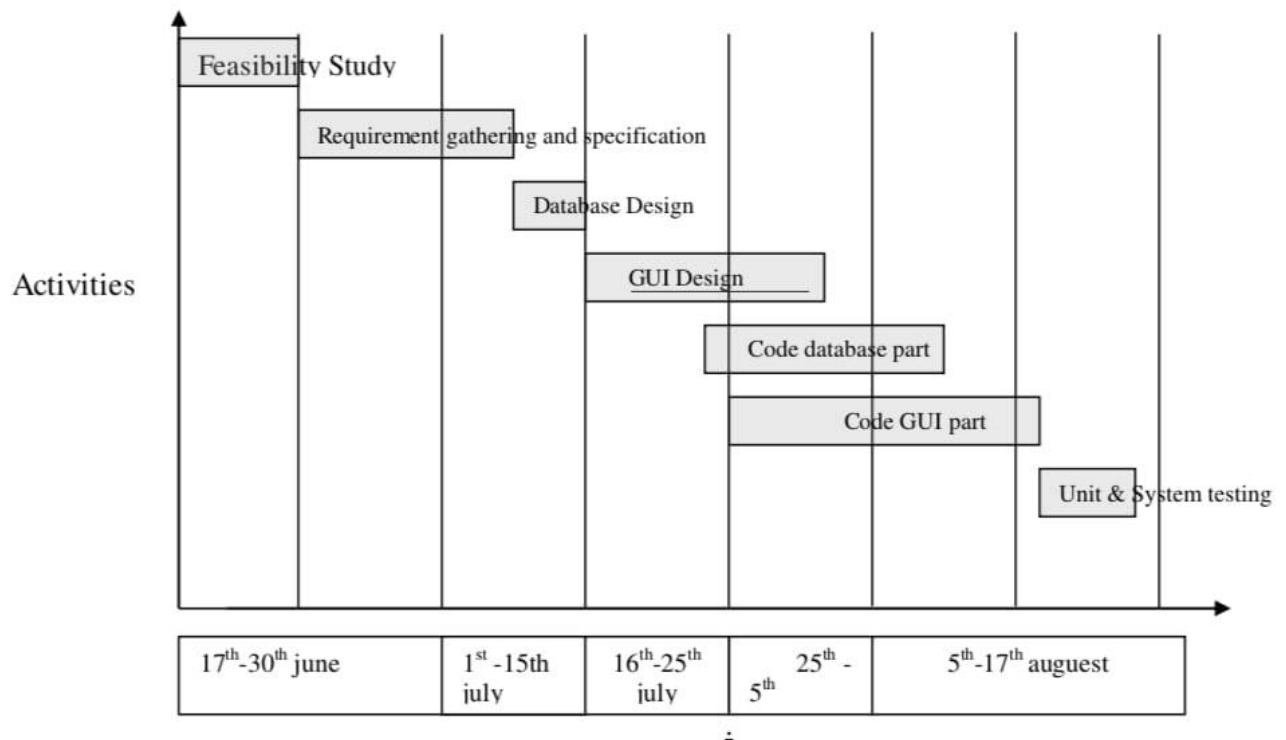
- **Waterfall** - Big Bang and Phased model.
- **Iterative** - Spiral and Incremental model

Iterative model Iterative model was introduced because of problems faced in Waterfall model. The iterative waterfall model is used in the development of the system. The system is developed in increments, each increments adding some functional capability to the system until the full system is fully implemented. The advantage of this approach is that it will result in better testing, as testing of each increment is easier than testing the entire system in totality. Furthermore, this approach provided us with important feedback that was very useful in the implementation of the system.



Development Schedule

The work on the proposed ONLINE RAILWAY TICKET RESERVATION was started on 17th June, 2011 and it was estimated to be over by 17th of August, 2011. The following Gantt chart has explained the estimated duration of the different phases of the software development work diagrammatically:



4.1 Implementation Details

4.1.1 System Overview

Online railway ticket reservation system is a web based application. It has been developed using ASP.NET and C# as the code end programming language. A MS SQL Server database consisting of multiple tables is used for data storage. This Website is a online travel booking website, which is capable of booking tour of national and international destination with easy steps at the cheapest rate. It allows the Administrator to perform all operations and view bookings. The general user is however given only restricted access. Travelmasti helps in booking tour packages. The user can't book any tour until he is a registered user.

4.1 MySQL

MySQL server: - MySQL server is basically a database server which is mostly used for storing user data into the required database in a specific table for easy access of these data in the future. The database server works when a local application invokes it. Before storing data into a database with the help of database server, PHP sends a SQL query to MySQL database server for establishing a connection to the server by using the loopback address, i.e., 127.0.0.1 along with the username and password for getting authentication from the database server. Since connection is established locally with the database server by PHP, so there is no chance of getting access to database server for modifying database by the client. Also, when PHP request for information retrieval from the database server by sending SQL query then the database server sends back the result of query after executing it by the database server. Another method of accessing database server is only possible by locally, i.e., only administrator of that particular computer can get all the access facilities of the database server as well as all the database which are not available to restricted users. PHP can update information in the database server if it has the administrator username and password to access the specific database, otherwise connection will be rejected by MySQL server and the database cannot be updated. Since before the dawn of the computer age, people have been using databases. Before computers, a database may have been a Rolodex containing phone numbers of the important people you knew, or it was a filing cabinet that contained all the personnel records for the company. Today, databases are computer-based and are found virtually everywhere. From desktop databases of your record collection to Web-enabled databases that run large corporations.

4.1.1.2 EVOLUTION OF PHP

PHP or Hypertext Pre-processor was developed by an employed Danish programmer, Rasmus Lerdorf out of Toronto in Canada in 1994 and released to the public in 1995 with the name Personal Home Page tools. It was then rewritten in 1996 by Zeev Suraski and Andi Gutman who launched it as PHP3. In 2000, PHP4 was released incorporated into a scripting engine followed by 3 more major-version and few subversions until the latest version PHP7.0 was released in 2015. It gained popularity over the years owing to it being open source and allowing other programmers to use the language on their own pages and today controls over 80% of websites across the globe.

PHP has emerged as one of the highly popular server-side scripting languages owing to its flexibility, innovative features and it is the fastest resource present for creating database-enabled dynamic websites. PHP includes a well-organized code that is easily embedded into HTML code and all features and updates to the language are available free of cost. In comparison to the other languages, troubleshooting and debugging issues is easier in PHP. Moreover, it supports major operating systems like Windows, Linux, Unix, Mac OS, etc and also supports enterprise and web servers like Microsoft IIS, Netscape, Apache, etc.

Drawbacks of PHP

1. It is not that secure due to its open-source, because the ASCII text file is often easily available.
2. It is not suitable for giant content-based web applications.
3. It has a weak type, which can cause incorrect data and knowledge to users.
4. PHP frameworks got to learn to use PHP built-in functionalities to avoid writing additional code.

5. Using more features of PHP framework and tools cause poor performance of online applications.
6. PHP doesn't allow change or modification in the core behaviour of online applications.
7. The PHP frameworks aren't equivalent in behaviour so does their performance and features.
8. While PHP may be a powerful tool supported by an outsized community and plentiful reference documentation, there are easier programming languages for web apps.
9. It is widely believed by the developers that PHP features a poor quality of handling errors. PHP lacks debugging tools, which are needed to look for errors and warnings. PHP has less number of debugging tools in comparison to other programming languages.
10. It's highly tough to manage because it's not competent modular. It already imitates the features of the Java language.

Advantage of PHP

1. The most important advantage of PHP is that it's open-source and free from cost. It can be downloaded anywhere and is readily available to use for events or web applications.
2. It is platform-independent. PHP-based applications can run on any OS like UNIX, Linux, Windows, etc.
3. Applications can easily be loaded which are based on PHP and connected to the database. It's mainly used due to its faster rate of loading over slow internet speed than other programming language.
4. It has less learning curve because it is simple and straightforward to use. Someone familiar with C programming can easily work on PHP.
5. It is more stable for a few years with the assistance of providing continuous support to various versions.
6. It helps in reusing an equivalent code and not got have to write lengthy code and sophisticated structure for events of web applications.
7. It helps in managing code easily.
8. It has powerful library support to use various function modules for data representation.
9. PHP's built-in database connection modules help in connecting databases easily reducing trouble and time for the development of web applications and content-based sites.
10. The popularity of PHP gave rise to various communities of developers, a fraction of which may be potential candidates for hire.
11. Flexibility makes PHP ready to effectively combine with many other programming languages in order that the software package could use foremost effective technology for every particular feature.

Features of PHP

1. PHP is particularly famous for its simplicity. It is organized and easy to learn.
2. PHP scripts can run on any device- mobile, tablet, or PC. It is very compatible with various databases. It can be easily embedded and integrated into HTML, XML, and JavaScript.
3. PHP supports object-oriented programming features like data encapsulation,

inheritance, abstraction, polymorphism, etc

4. PHP is an interpreted language, which means there is no need for compilation. Interpreters run through a program line by line and execute the code.
5. PHP is a versatile, reliable, and efficient programming language. The memory management of PHP is very efficient.
6. PHP scripts are usually faster than other scripting languages.
7. PHP is a partially case-sensitive language. Although functions names are not case-sensitive, other things in PHP are case-sensitive.
8. PHP has many pre-defined functions for data encryption. Users can also use third-party applications for security. Security and flexibility are often contrasting features, but PHP somehow manages to offer them both.
9. PHP supports variable declaration without declaring its data type.

Minimum Requirements

The software requirements to successfully run all the programs are

1. Operating System - Windows 7, Windows XP.
2. Microsoft IIS WEB server 5.0
3. SQL Server (XAAMP)
4. Visual Studio

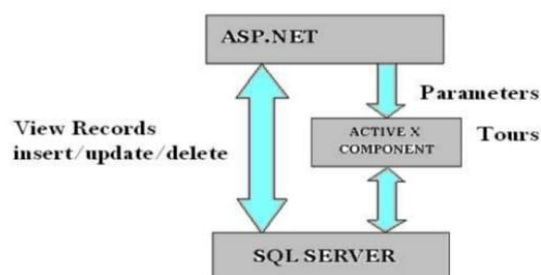
Database Tables

The following tables were created for the application:

Tabel Name	Description
Train details	Store details of each train.
Booking	Stores details of user and particular train
Bank	Stores the details of all banking information of user while booking a ticket.

High-level Diagram

Following is a high-level diagram depicting the overall working of the system:



Basic System Architectural Design

The system has a three level architecture:

- a. The first level (front end) uses HTML, BOOTSTRAP, CSS to provide the users with the front-end.
- b. The lower lever (back end) uses MS SQL Server to house the database.
- c. The middle level comes into play only when Available tours are to be searched. This is achieved through the use of Active X Components (Data Grid). This picks up the requisite data from the database (depending upon the tours available and any other required conditions) and uses them to show the available tours.

CHAPTER 5.

Results and Discussions

5.1 Test Results

5.1.1 Unit Tests

Starting from the bottom the first test level is "Unit Testing". It involves checking that each feature specified in the "Component Design" has been implemented in the component. In theory an independent tester should do this, but in practice the developer usually does it, as they are the only people who understand how a component works. The problem with a component is that it performs only a small part of the functionality of a system, and it relies on co-operating with other parts of the system, which may not have been built yet. To overcome this, the developer either builds, or uses special software to trick the component into believe it is working in a fully functional system.

The summary of unit tests is provided below:

For User:

UNIT	PURPOSE	VERIFIED
Search Train	This unit search the trains.	Yes
Trains details	This unit shows the trains of a particular source to destination in a particular date and a specific seat.	Yes
Book ticket.	This unit user can select a particular train and book ticket	Yes
Login.	This unit login the registered user and create an account for a new user	Yes
Fill the booking form	User fill the form to book ticket.	Yes
payment.	User fill the form and pay the money with the help of credit card.	Yes
Ticket no	This unit allows to show his ticket no.	Yes
Cancel ticket	This unit allows user to cancel ticket.	Yes

For Administrator

UNIT	PURPOSE	VERIFIED
Administrator Login	This unit detects the authorization of the Administrator.	Yes
Change the train details	This unit allows the administrator to change the train details.	Yes

Integration Testing

As the components are constructed and tested they are then linked together to check if they work with each other. It is a fact that two components that have passed all their tests, when connected to each other produce one new component full of faults. These tests can

be done by specialists, or by the developers. Integration Testing is not focused on what the components are doing but on how they communicate with each other, as specified in the "System Design". The "System Design" defines relationships between components. The tests are organized to check all the interfaces, until all the components have been built and interfaced to each other producing the whole system. Thus this test was successfully done. No conflicts or inconsistencies were detected.

System Testing

Once the entire system has been built then it has to be tested against the "System Specification" to check if it delivers the features required. It is still developer focused, although specialist developers known as systems testers are normally employed to do it. In essence System Testing is not about checking the individual parts of the design, but about checking the system as a whole. In fact it is one giant component. System testing can involve a number of specialist types of test to see if all the functional and non - functional requirements have been met. In addition to functional requirements these may include the following types of testing for the non - functional requirements:

- Performance - Are the performance criteria met?
- Volume - Can large volumes of information be handled?
- Stress - Can peak volumes of information be handled?
- Documentation - Is the documentation usable for the system?
- Robustness - Does the system remain stable under adverse circumstances?

The system was found to perform its function properly under all conditions.

Acceptance Testing

Acceptance Testing checks the system against the "Requirements". It is similar to systems testing in that the whole system is checked but the important difference is the change in focus:

Systems testing checks that the system that was specified has been delivered. Acceptance Testing checks that the system will deliver what was requested.

The customer should always do acceptance testing and not the developer. The customer knows what is required from the system to achieve value in the business and is the only person qualified to make that judgment. This testing is more of getting the answer for whether is the software delivered as defined by the customer. It's like getting a green flag from the customer that the software is up to the expectation and ready to be used.

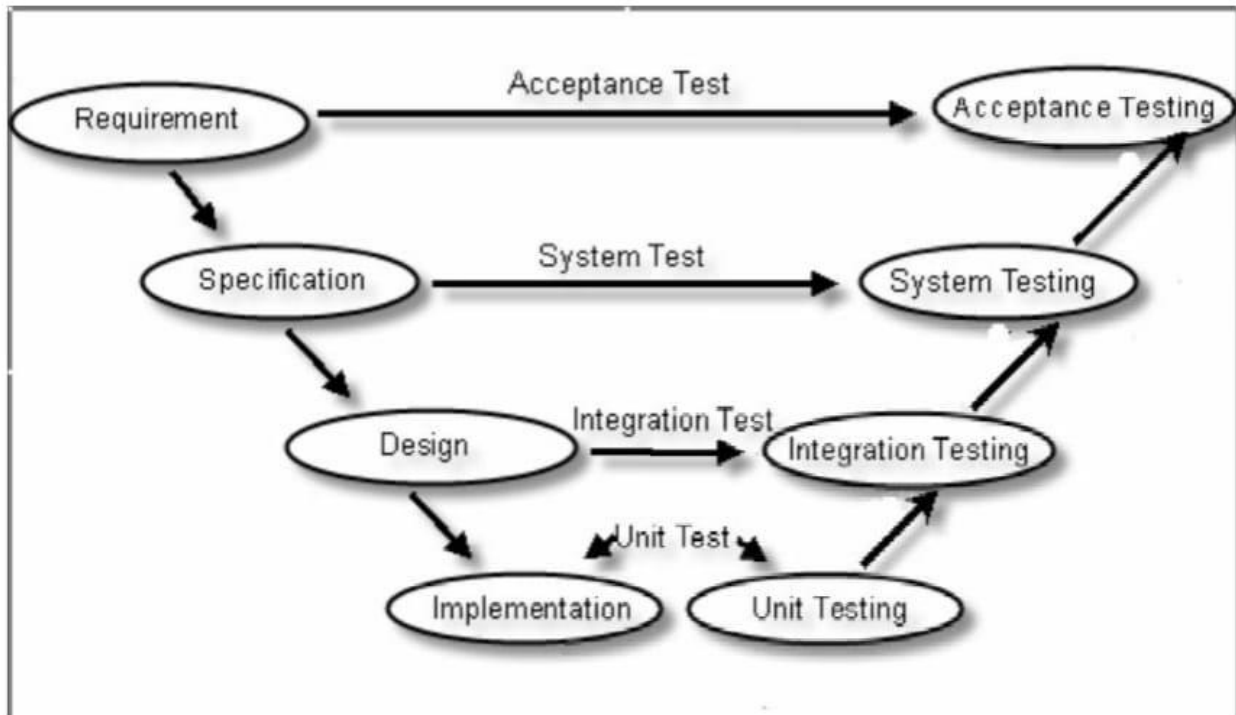


Figure 1.4: - V model cycle flow

5.1.2 Result

Online railway ticket reservation system was successfully designed and developed as per the specifications. It was extensively tested using a database which contains data similar to what can be expected in an actual database. The system was found to work satisfactorily without any errors under all conditions.

6. Summary and Conclusions

6.1 Summary of Achievements

The following achievements were made during the project:

1. We had the opportunity to learn PHP, JAVASCRIPT, MYSQL
2. Learned to work in visual studio.
3. We learned to handle a project efficiently and correctly.
4. Learned to tackle various adverse situations while managing and developing software.
5. Learning about the functioning of the IT industry and work ethics in the corporate world.
6. Learning to work with PHP and MS SQL Server.
7. Learning about the different phases of software development and the software engineering processes involved in the development of software.

6.2 Main difficulties encountered

The main difficulty that was encountered during this project was that we had to learn a

1. PHP as well as MYSQL with which we were not at all familiar with earlier.
 - a. Time constraint.
 - b. Learning the use of triggers.

6.3 Limitations of the Project

- a. Print ticket option is not provided here.
- b. Ajax could not be used.

7. BIBLIOGRAPHY

Website

- a. Dynamicdrive.com
- b. Freecsstemplates.com

Books

1. Microsoft Official Custom Workshop
2. PHP and MYSQL
3. Database Management System, Rameez Elmasri & Shamkant Navathe.

SOURCE CODE

CSS STYLE:

```
footer{
    background-color: #d1c4e9;
    background-color: #72B6C3 ;
    padding: 20px 0px 20px 0px;
    font-family: Comic Sans MS, Comic Sans, cursive;
}

.aboutus{
    font-family: Trebuchet MS, sans-serif;
}

#clr2{
    background-color: #B0E0E6;
    background-color: #72B6C3;
}

#p1{
```

```

        text-align:center ;
    }
}
.welcome{
    margin: 1em 0 0.5em 0;
    font-weight: 100;
    text-transform: uppercase;
    color: #72B6C3;
    font-style: italic;
    font-family: Comic Sans MS, Comic Sans, cursive;
    font-size: 40px;
    text-align: center;
    line-height: 50px;
    text-shadow: 2px 5px 0 rgba(0,0,0,0.2);
}

.btn-style
{
    width: 20%;
    border: none;
    padding: 15px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
}
center {
    margin-left: auto;
    margin-right: auto;
}

aside{
    text-align: center;
}
.pp{
    font-size: large;
}
.hh{
    margin-top: 5px;
    text-align: center;
}
.forr{
    margin-left: 200px;
}
.lin{
    color: black;
}

```

LANCH CODE:

```
{
    // Use IntelliSense to learn about possible attributes.
    // Hover to view descriptions of existing attributes.
    // For more information, visit: https://go.microsoft.com/fwlink/?linkid=830387
    "version": "0.2.0",
    "configurations": [
        {
            "type": "chrome",
            "request": "launch",
            "name": "Open login.html",
            "file": "c:\\Users\\sindhuja\\Desktop\\hcl\\hcl\\log in\\login.html"
        }
    ]
}
```

PHP CODE:

```
<?php

//fetch.php
$connect = mysqli_connect("localhost", "root", "", "myrailway");
$output = '';
if (isset($_POST["query"])) {
    $search = mysqli_real_escape_string($connect, $_POST["query"]);
    $query = "
    SELECT * FROM route
    WHERE TrainName LIKE '%" . $search . "%' OR
           FromStation LIKE '%" . $search . "%' OR
           ToStation LIKE '%" . $search . "%'
    ";
} else {
    $query = "
    SELECT * FROM route ORDER BY id
    ";
}
$result = mysqli_query($connect, $query);
if (mysqli_num_rows($result) > 0) {
    $output .= '
    <div class="table-responsive">
        <table class="center" border="9" cellpadding="10" cellspacing="10">
            <tr>
                <th> Route ID </th>
                <th> Train Name </th>
                <th> Route </th>
                <th> Arrival Time </th>
                <th> Departure Time </th>
                <th> Business Class Fare </th>
                <th> Economical Class Fare </th>
                <th> Standard Class Fare </th>
                <th> Distance </th>
                <th> Delete </th>
            </tr>
        </table>
    '
```

```

        </tr>
';
    while ($row = mysqli_fetch_array($result)) {
        $output .= '
<tbody>
<td>' . $row["id"] . '</td>
<td>' . $row["TrainName"] . '</td>
<td>' . $row["FromStation"] . ' to ' . $row["ToStation"] . '</td>
<td>' . $row["ArrivalTime"] . '</td>
<td>' . $row["DepartureTime"] . '</td>
<td>' . $row["BusinessClassFare"] . ' pkr</td>
<td>' . $row["StandardClassFare"] . ' pkr</td>
<td>' . $row["EconomicalClassFare"] . ' pkr</td>
<td>' . $row["TotalDistance"] . ' km/hr</td>
<td><input class="btn btn-danger" type="submit" value="Delete" name="submit"
/></td>
</tbody>

';
    }
    echo $output;
} else {
    echo 'Data Not Found';
}
?>
</form>

```

```

<?php

//fetch.php
$connect = mysqli_connect("localhost", "root", "", "myrailway");
$output = '';
if (isset($_POST["query"])) {
    $search = mysqli_real_escape_string($connect, $_POST["query"]);
    $query = "
    SELECT * FROM route
    WHERE TrainName LIKE '%" . $search . "%' OR
        FromStation LIKE '%" . $search . "%' OR
        ToStation LIKE '%" . $search . "%'
    ";
} else {
    $query = "
    SELECT * FROM route ORDER BY TrainName
    ";
}
$result = mysqli_query($connect, $query);

```

```

if (mysqli_num_rows($result) > 0) {
    $output .= '
<div class="table-responsive">
<table class="center" border="9" cellpadding="10" cellspacing="10">
<thead>
<th>Train Name</th>
<th>From Station</th>
<th>To Station</th>
<th>Arrival Time</th>
<th>Departure Time</th>
<th>Business Class Fare</th>
<th>Standard Class Fare</th>
<th>Economical Class Fare</th>
<th>Book Ticket</th>
</thead>
';
    while ($row = mysqli_fetch_array($result)) {
        $output .= '
<tbody>
<td>' . $row["TrainName"] . '</td>
<td>' . $row["FromStation"] . '</td>
<td>' . $row["ToStation"] . '</td>
<td>' . $row["ArrivalTime"] . '</td>
<td>' . $row["DepartureTime"] . '</td>
<td>' . $row["BusinessClassFare"] . '</td>
<td>' . $row["StandardClassFare"] . '</td>
<td>' . $row["EconomicalClassFare"] . '</td>
<td><input class="btn btn-primary" onclick="showAlert()" value="Book Now"
type="button"/></td>
</tbody>
';
    }
    echo $output;
} else {
    echo 'Data Not Found';
}
?>

<script>
function showAlert() {
    var myText = "You need to login to the system to book ticket!!!";
    alert (myText);
}
</script>

```

ADMINI:

```

<?php
include("connection.php");

$method = $_SERVER['REQUEST_METHOD'];

```



```

if($method == 'GET')
{
    $data = array
    (
        ':TrainNo'    => "%" . $_GET['TrainNo'] . "%",
        ':TrainName'  => "%" . $_GET['TrainName'] . "%",
        ':FromStation' => "%" . $_GET['FromStation'] . "%",
        ':ToStation'  => "%" . $_GET['ToStation'] . "%",
        ':TotalDistance' => "%" . $_GET['TotalDistance'] . "%",
        ':BusinessSeats' => "%" . $_GET['BusinessSeats'] . "%",
        ':EconomicalSeats' => "%" . $_GET['EconomicalSeats'] . "%",
        ':StandardSeats' => "%" . $_GET['StandardSeats'] . "%"
    );
    $query = "SELECT * FROM trains WHERE TrainNo LIKE :TrainNo AND TrainName LIKE :TrainName AND FromStation LIKE :FromStation AND ToStation LIKE :ToStation AND TotalDistance LIKE :TotalDistance AND BusinessSeats LIKE :BusinessSeats AND EconomicalSeats LIKE :EconomicalSeats AND StandardSeats LIKE :StandardSeats ORDER BY id ASC";
    $statement = $connect->prepare($query);
    $statement->execute($data);
    $result = $statement->fetchAll();
    foreach($result as $row)
    {
        $output[] = array(
            'id'      => $row['id'],
            'TrainNo' => $row['TrainNo'],
            'TrainName' => $row['TrainName'],
            'FromStation' => $row['FromStation'],
            'ToStation' => $row['ToStation'],
            'TotalDistance' => $row['TotalDistance'],
            'BusinessSeats' => $row['BusinessSeats'],
            'EconomicalSeats' => $row['EconomicalSeats'],
            'StandardSeats' => $row['StandardSeats']

        );
    }
    header("Content-Type: application/json");
    echo json_encode($output);
}

if($method == 'PUT')
{
    /* gets the contents of the php://input stream, and parses it into an array (stored as $_PUT) */
    parse_str(file_get_contents("php://input"), $_PUT);
    $data = array(
        ':id'      => $_PUT['id'],
        ':TrainNo' => $_PUT['TrainNo'],
        ':TrainName' => $_PUT['TrainName'],
        ':FromStation' => $_PUT['FromStation'],

```

```

        ':ToStation' => $_PUT['ToStation'],
        ':TotalDistance' => $_PUT['TotalDistance'],
        ':BusinessSeats' => $_PUT['BusinessSeats'],
        ':EconomicalSeats' => $_PUT['EconomicalSeats'],
        ':StandardSeats' => $_PUT['StandardSeats']
    );
    $query = "UPDATE trains SET TrainNo = :TrainNo, TrainName = :TrainName,
    FromStation = :FromStation, ToStation = :ToStation, TotalDistance = :TotalDistance,
    BusinessSeats = :BusinessSeats, EconomicalSeats = :EconomicalSeats, StandardSeats
    = :StandardSeats WHERE id = :id";
    $statement = $connect->prepare($query);
    $statement->execute($data);
}

if($method == "DELETE")
{
    /* gets the contents of the php://input stream, and parses it into an array
    (stored as $_DELETE) */
    parse_str(file_get_contents("php://input"), $_DELETE);
    $query = "DELETE FROM trains WHERE id = '".$_DELETE["id"]."'" ;
    $statement = $connect->prepare($query);
    $statement->execute();
}

?>

```

```

<?php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="myrailway"; // Database name

$conn=mysqli_connect("$host", "$username", "$password")or die("cannot connect");

?>

```

HOME PAGE:

```

<?php
session_start();
if (isset($_POST['submit']))
{
    $conn = mysqli_connect("localhost","root","","myrailway");
    if(!$conn){

```

```

    echo "<script type='text/javascript'>alert('Database failed');</script>";
    die('Could not connect: '.mysqli_connect_error());
}
$Username=$_POST['Username'];
$Passwords=$_POST['Passwords'];
$sql = "SELECT * FROM user_login WHERE Username = '$Username' AND Passwords = '$Passwords'";
$sql_result = mysqli_query ($conn, $sql) or die ('request "Could not execute SQL query" '.$sql);
$user = mysqli_fetch_assoc($sql_result);
    if(!empty($user)){
        $_SESSION['user_info'] = $user['Username'];
        $message='User logged in successfully';
        $_SESSION["Username"] = $user["Username"];
        echo $user["Username"];
        header("location:passenger_home.php");
    }
    else{
        $message = 'Wrong email or password.';
    }
    echo "<script type='text/javascript'>alert('$message');</script>";
}

if (isset($_POST['done']))
{
    $conn = mysqli_connect("localhost","root","","myrailway");
    if(!$conn){
        echo "<script type='text/javascript'>alert('Database failed');</script>";
        die('Could not connect: '.mysqli_connect_error());
    }
    $AdminUsername=$_POST['AdminUsername'];
    $Password=$_POST['Password'];
    $sql = "SELECT * FROM admins WHERE AdminUsername = '$AdminUsername' AND Passwords = '$Password'";
    $sql_result = mysqli_query ($conn, $sql) or die ('request "Could not execute SQL query" '.$sql);
    $user = mysqli_fetch_assoc($sql_result);
        if(!empty($user)){
            $_SESSION['user_info'] = $user['AdminUsername'];
            $message='Admin logged in successfully';

            header("location:admin_add_train.php");
        }
        else{
            $message = 'Wrong email or password.';
        }
        echo "<script type='text/javascript'>alert('$message');</script>";
    }
}

```

```

?>

<!DOCTYPE html>
<meta charset="UTF-8">
<html>
  <head>
    <title>Railway Mangement System</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivrivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css" integrity="sha384-
wvfXppqZTVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCaf1NEevoEH3Sl0sibVc0QVnN"
crossorigin="anonymous">
    <link rel="stylesheet" href="node_modules/font-awesome/css/font-
awesome.min.css">
    <link rel="stylesheet" href="node_modules/bootstrap-social/bootstrap-
social.css">
    <link rel="stylesheet" href="styles.css">
    <SCRIPT src="validationlogin.js"></SCRIPT>
    <SCRIPT src="validationloginadmin.js"></SCRIPT>
    <style>
.wrap{
  background-color:#FFFFFF;
  padding:0 10px;
  border:solid 1px;
  -o-box-shadow: 10px 10px 5px #888;
  -moz-box-shadow: 10px 10px 5px #888;
  -webkit-box-shadow: 10px 10px 5px #888;
  box-shadow: 0px 0px 25px #666;
}

    </style>
  </head>
  <body data-spy="scroll" data-target="#navbarNav" data-offset="50">

    <nav class="navbar navbar-expand-lg navbar-dark bg-info fixed-top"
style="font-family:Comic Sans MS">
      <a class="navbar-brand" href="#" >Railway Management System</a>
      <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>

      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav ml-auto">
          <li class="nav-item active">

```

```

        <a class="nav-link" href="Home.php">Home <span class="sr-
only">(current)</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="search_train.php">Search</a>
    </li>

    <li class="nav-item ">
        <a class="nav-link " href="places.php" >Famous Places</a>

    </li>

    <li class="nav-item">
        <a class="nav-link" href="registration_page.php">Register</a>
    </li>

    <li class="nav-item">
        <a class="nav-link " id="log_in" data-toggle="Modal" data-
target="#loginmodal" href="#" aria-disabled="true">Login</a>
    </li>

    <li class="nav-item">
        <a class="nav-link" href="#process">Contact</a>
    </li>
    <li class="nav-item">
        <a class="nav-link " id="log_in_admin" data-toggle="Modal" data-
target="#loginmodaladmin" href="#" aria-disabled="true">Admin</a>
    </li>
</ul>

</div>
</nav>

<div class="jumbotron" style="background-color: #D6EAF8;">
    <div class="row">
        <div class=" col-lg-6">
            <br/><h1 class="welcome">Welcome to Indian Railways</h1>
        <div >
            <div style="float:right;">
                <hr />
                <marquee behavior="scroll" id="marq" scrollamount=3 direction="up"
height="190px" onmouseover="nestop()" onmouseout="nestrt()">
            <div>
                <p class="lead"><b>Welocme to Indian Railway Management System You
can book your advance tickets here as well as you can look for any train to any given
station at any given time.</b></p>
                <hr class="my-4">
                <p><b>Enjoy your journey with us and hope you contribute towards
becoming a better Pakistani</b></p>
            </div>

```



```

        <input type="password" id="Password" size="30" maxlength="30"
name="Password" placeholder="-- Password Here --" class=" form-control"/>
    </div>

    <br/>
    <div class="text-center">
        <button style=" width:40%" type="button" class="btn btn-danger "
class="close" data-dismiss="modal"><a> Close </a> </button>
        <INPUT style=" width:40%" class="btn btn-success " TYPE="Submit"
value="Login" name="done" id="done" class="button">
    </div>
</div>
</form>

    </div>
</div>
</div>
</div>

<div id="loginModal" class="modal fade" role="dialog">
    <div class="modal-dialog modal-lg" role="content">
        <div class="modal-content">
            <div class="modal-header" id="clr2">
                <h4 class="modal-title" style="font-family:Didot, serif; font-size:
30px;" >
                    Login
                </h4>
                <button type="button" class="close" data-dismiss="modal">
                    &times;
                </button>
            </div>
            <div class="modal-body" id="clr">

                <form id="clr1" action="Home.php" method="post" name="login"
onsubmit="return validatelogin()">
                <div class="mylogin">
                    <div ><label for="Username" class=" col-form-label"><b>Username
:</b></label></div>
                    <div ><input type="text" id="Username" size="30" maxlength="30"
name="Username" autofocus placeholder="-- Username Here --" class=" form-
control"/></div>
                    <div >
                        <label for="Password" class="col-form-label"><b>Password : </b></label>
                    </div>
                    <div >
                        <input type="password" id="Passwords" size="30" maxlength="30"
name="Passwords" placeholder="-- Password Here --" class=" form-control"/>
                    </div>

```



```

        <h1><span class="fa fa-question-circle"></span> Complain Section</h1>
        <form>
            <div class="form-group">
                <label for="exampleFormControlInput1">Email address</label>
                <input type="email" class="form-control"
id="exampleFormControlInput1" placeholder="name@example.com">
            </div>
            <div class="form-group">
                <label for="exampleFormControlTextarea1">Your
Complain</label>
                <textarea class="form-control"
id="exampleFormControlTextarea1" rows="3"></textarea>
                <button type="button" class="btn btn-danger mt-3">Submit
Complain</button>
            </div>
        </form>
    </div>
    <div class="col-lg-6 ">
        <h1><span class="fa fa-user"></span> Contact Info</h1>
        <p class="mt-5"><span><i class="fa fa-envelope" aria-
hidden="true"></i> Gmail : pakrailways@foster.com</span></p>
        <p class="mt-3"><span><i class="fa fa-phone" aria-
hidden="true"></i> Phone No :+92345-2984137</span></p>
        <p class="mt-3"><span><i class="fa fa-fax "></i>
Telephone No :419037238</span></p>
    </div>
</div>
</div>
</footer>
<!-- jQuery and JS bundle w/ Popper.js -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"
crossorigin="anonymous"></script>
<script>
    $('#log_in').click(function(){
        $('#loginModal').modal();

    });
</script>

<script>
    $('#log_in_admin').click(function(){
        $('#loginModaladmin').modal();

    });
</script>

```

```

</body>
</html>

<?php

if(isset($_SESSION['error']))
{
    session_destroy();
}

?>

```

PROFILE:

```

<?php
session_start();
if (isset($_SESSION["Username"]))
{
    $conn = mysqli_connect("localhost","root","","myrailway");
    if(!$conn){
        echo "<script type='text/javascript'>alert('Database failed');</script>";
        die('Could not connect: '.mysqli_connect_error());
    }

    $sql = "SELECT * FROM customers WHERE username = '".$_SESSION["Username"]."'" ;
    $sql_result = mysqli_query ($conn, $sql) or die ('request "Could not execute SQL query" '.$sql);
    $user = mysqli_fetch_assoc($sql_result);
    if(!empty($user)){
        $_SESSION["username"] = $user["username"];
        $_SESSION["name"] = $user["name"];
        $_SESSION["email"] = $user["email"];
        $_SESSION["phoneno"] = $user["phoneno"];
        $_SESSION["address"] = $user["address"];
        $_SESSION["gender"] = $user["gender"];
        $_SESSION["age"] = $user["age"];
    }
    else{
        $message = 'Not updated.';
    }
}
?>

<?php

if (isset($_POST['changepw'])){
    $connect = mysqli_connect("localhost","root","","myrailway");
    if(!$connect){
        echo "<script type='text/javascript'>alert('Database failed');</script>";
    }
}

```

```

        die('Could not connect: '.mysqli_connect_error());
    }
    $Username=$_POST['Username'];
    $opw=$_POST['opw'];
    $npw=$_POST['npw'];

    $sql2 ="UPDATE user_login SET Passwords= '$npw' WHERE Username= '$Username' AND
    Passwords='$opw'";
    $query2 = mysqli_query ($connect, $sql2) or die ('request "Could not execute SQL
    query" '.$sql2);
    if(mysqli_query($query2))
    {
        echo "<script type='text/javascript'>alert('Password changed
    successfully');</script>";
    }
    else
    {
        echo "<script type='text/javascript'>alert('Password changed
    successfully');</script>";
    }
}
?>

```

```

<!DOCTYPE html>
<meta charset="UTF-8">
<html>
<title>Railway Mangement System</title>

    <head>
        <title>Railway Management System</title>
        <link rel="stylesheet"
href="https://cdn.jsdelivrivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
crossorigin="anonymous">
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css" integrity="sha384-
wvfXpqpZZVQG6TAh5PVlGOfQNHSoD2xbE+QkPxCaf1NEevoEH3Sl0sibVcOQVnN"
crossorigin="anonymous">
        <link rel="stylesheet" href="node_modules/font-awesome/css/font-
awesome.min.css">
        <link rel="stylesheet" href="node_modules/bootstrap-social/bootstrap-
social.css">
        <link rel="stylesheet" href="styles.css">
    <style>
    * {
        box-sizing: border-box;
    }

    input[type=text] ,input[type=date],input[type=password], select, textarea {
        width: 100%;
    }

```

```

padding: 12px;
border: 1px solid #ccc;
border-radius: 4px;
resize: vertical;
}

input[type=radio], select, textarea {
width:8%;
padding: 12px;
border: 1px solid #ccc;
border-radius: 10px;
resize: vertical;
}

label {
padding: 12px 12px 12px 0;
display: inline-block;
}

input[type=submit] {
background-color: #4CAF50;
color: white;
padding: 12px 20px;
border: none;
border-radius: 4px;
cursor: pointer;
float: right;
}

input[type=submit]:hover {
background-color: #45a049;
}
</style>
</head>

<body data-spy="scroll" data-target="#navbarNav" data-offset="50">

<nav class="navbar navbar-expand-lg navbar-dark bg-info fixed-top" style="font-family:Comic Sans MS">
    <a class="navbar-brand" href="#">Railway Management System</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav ml-auto">

```

```

        <li class="nav-item ">
            <a class="nav-link" href="passenger_home.php">Home <span class="sr-
only">(current)</span></a>
        </li>

        <li class="nav-item">
            <a class="nav-link" href="book_ticket.php">Book Ticket</a>
        </li>

        <li class="nav-item ">
            <a class="nav-link " href="traintiming.php" >Train Schedule</a>
        </li>

        <li class="nav-item">
            <a class="nav-link" href="All Booking Record.php">Records</a>
        </li>

        <li class="nav-item active" >
            <a class="nav-link" href="profile.php">Profile</a>
        </li>

        <li class="nav-item">
            <a class="nav-link" href="home.php">Logout</a>
        </li>

        <li class="nav-item">
            <?php
                echo '<a class="nav-link text-danger"> <b>'.$_SESSION["Username"].'
</b></a>';
            <?>
        </li>
    </ul>

</div>
</nav>
<br/>
<br/>

    <div class="container">
        <h1 class="mainheading">Profile </h1>
        <hr>
        <div class="text-right">
            <button style="width:20%; align:center; "type="button " class="btn btn-info "><a
style="color:#ffffff; text-decoration:none; " id="change" class="aside" data-
toggle="Modal" data-target="#passwordmodal" aria-disabled="true">Change
Password</a></button>
        </div>
        <div class="row">
            <div class="col-25">
                <label for="name"><b>Full Name :</b></label>

```

```

        </div>
        <div class="col-75">
            <?php

                echo '<label class= "masthead-brand text-danger">
<b>' . $_SESSION["name"] . '</b></label>';

                ?>

            </div>
        </div>

        <div class="row">
            <div class="col-25">
                <label for="email"><b>Email:</b></label>
            </div>
            <div class="col-75">
                <?php

                    echo '<label class= "masthead-brand text-danger">
<b>' . $_SESSION["email"] . '</b></label>';

                    ?>

                </div>
            </div>

            <div class="row">
                <div class="col-25">
                    <label for="phoneno"><b>Phone No.:</b></label>
                </div>
                <div class="col-75">
                    <?php

                        echo '<label class= "masthead-brand text-danger">
<b>' . $_SESSION["phoneno"] . '</b></label>';

                        ?>

                    </div>
                </div>

                <div class="row">
                    <div class="col-25">
                        <label for="address"><b>Address:</b></label>
                    </div>
                    <div class="col-75">
                        <?php

                            echo '<label class= "masthead-brand text-danger"><b>
' . $_SESSION["address"] . '</b></label>';

                            ?>

```

```

    </div>
  </div>

  <div class="row">
    <div class="col-25">
      <label for="gender"><b>Gender:</b></label>
    </div>
    <div class="col-75">
      <?php

          echo '<label class= "masthead-brand text-danger">
<b>'. $_SESSION["gender"].'</b></label>';

          ?>

    </div>
  </div>

  <div class="row">
    <div class="col-25">
      <label for="age"><b>Age:</b></label>
    </div>
    <div class="col-75">
      <?php

          echo '<label class= "masthead-brand text-danger"><b>
'. $_SESSION["age"].'</b></label>';

          ?>

    </div>
  </div>

</div>

<div id="passwordmodal" class="modal fade" role="dialog">
  <div class="modal-dialog modal-lg" role="content">
    <div class="modal-content">
      <div class="modal-header" id="clr2">
        <h4 class="modal-title">
          Change Password
        </h4>
        <button type="button" class="close" data-dismiss="modal">
          &times;
        </button>
      </div>
      <div class="modal-body" id="clr">
        <form action="#passwordmodal" id="clr1" method="post">
          <div class="form-group row">

```



```

        <div class="row">
            <div class="col-lg-6">
                <h1><span class="fa fa-question-circle"></span> Complain Section</h1>
                <form>
                    <div class="form-group">
                        <label for="exampleFormControlInput1">Email address</label>
                        <input type="email" class="form-control"
id="exampleFormControlInput1" placeholder="name@example.com">
                    </div>
                    <div class="form-group">
                        <label for="exampleFormControlTextarea1">Your
Complain</label>
                        <textarea class="form-control"
id="exampleFormControlTextarea1" rows="3"></textarea>
                        <button type="button" class="btn btn-danger mt-3">Submit
Complain</button>
                    </div>
                </form>
            </div>
            <div class="col-lg-6 ">
                <h1><span class="fa fa-user"></span> Contact Info</h1>
                <p class="mt-5"><span><i class="fa fa-envelope" aria-
hidden="true"></i> Gmail : pakrailways@foster.com</span></p>
                <p class="mt-3"><span><i class="fa fa-phone" aria-
hidden="true"></i> Phone No :+92345-2984137</span></p>
                <p class="mt-3"><span><i class="fa fa-fax "></i>
Telephone No :419037238</span></p>
            </div>
        </div>
    </div>
</footer>
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtn/tE3MoK7ZeZDyx"
crossorigin="anonymous"></script>
    <script>
        $('#change').click(function(){
            $('#passwordmodal').modal();

        });
    </script>

</body>
</html>

<?php

```

```

if(isset($_SESSION['error']))
{
    session_destroy();
}

?>

```

TICKET VIEW CODE:

```

<?php
    12:

if(isset($_POST["id"]))
{
    $output = '';
    $conn = mysqli_connect("localhost", "root", "", "myrailway");
    $query = "SELECT * FROM route WHERE id = '".$_POST["id"]."'";
    $result = mysqli_query($conn, $query);

    $output .= ' <div class="row">';
    while($row = mysqli_fetch_array($result))
    {
        $output .= '
            <div class="col-lg-5">
                
            </div>

            <div class="col-lg-5">
                <h1>'.$row["TrainName"].'</h1>
                <h5>Travel:</h5>
                <p class="pp">'.$row["FromStation"].' to
'.$row["ToStation"].'</p>
                <h5>Arrival and Departure Time:</h5>
                <p class="pp">'.$row["ArrivalTime"].' to
'.$row["DepartureTime"].'</p>
                <h5>Business Class Fare:</h5>
                <p class="pp">'.$row["BusinessClassFare"].' PKR</p>
                <h5>Standard Class Fare:</h5>
                <p class="pp">'.$row["StandardClassFare"].' PKR</p>
                <h5>Economical Class Fare:</h5>
                <p class="pp">'.$row["EconomicalClassFare"].' PKR</p>
            </div>

        ';
        $trainname= $row['TrainName'];
        $fromstation=$row['FromStation'];
        $tostation=$row['ToStation'];
        $arrivaltime=$row['ArrivalTime'];
        $departuretime=$row['DepartureTime'];
    }
}

```

```

        $totalfare=$row['BusinessClassFare'];
    }

    $output .= ' </div> ';
    echo $output;

}
session_start();

$conn = mysqli_connect("localhost","root","", "myrailway");
if(!$conn){
    echo "<script type='text/javascript'>alert('Database failed');</script>";
    die('Could not connect: ' .mysqli_connect_error());
}

if(isset($_POST["id"]))
{
    for($f=1; $f == 1; $f++)
    {
        $query = "SELECT * FROM route WHERE id = '".$_POST["id"]."'";
        $sql_result = mysqli_query($conn, $query);
        $TrainName = mysqli_fetch_assoc($sql_result);
        if(!empty($TrainName)){
            $_SESSION['train_info'] = $TrainName['TrainName'];

            $_SESSION["TrainName"] = $TrainName["TrainName"];

            $TrainName=$_SESSION["TrainName"];
        }
    }
}

for($f=1; $f == 1; $f++)
{
    $query = "SELECT * FROM route WHERE id = '".$_POST["id"]."'";
    $sql_result = mysqli_query($conn, $query);
    $FromStation = mysqli_fetch_assoc($sql_result);
    if(!empty($FromStation)){
        $_SESSION['fstation_info'] = $FromStation['FromStation'];

        $_SESSION["FromStation"] = $FromStation["FromStation"];

        $FromStation=$_SESSION["FromStation"];
    }
}

for($f=1; $f == 1; $f++)
{

```

```

$query = "SELECT * FROM route WHERE id = '". $_POST["id"]. "'";
$sql_result = mysqli_query($conn, $query);
$ToStation = mysqli_fetch_assoc($sql_result);
if(!empty($ToStation)){
    $_SESSION['tstation_info'] = $ToStation['ToStation'];

    $_SESSION["ToStation"] = $ToStation["ToStation"];

    $ToStation=$_SESSION["ToStation"];
}
}

for($f=1; $f == 1; $f++)
{
$query = "SELECT * FROM route WHERE id = '". $_POST["id"]. "'";
$sql_result = mysqli_query($conn, $query);
$BusinessClassFare = mysqli_fetch_assoc($sql_result);
if(!empty($BusinessClassFare)){
    $_SESSION['BusinessClassFare_info'] = $BusinessClassFare['BusinessClassFare'];

    $_SESSION["BusinessClassFare"] = $BusinessClassFare["BusinessClassFare"];

    $BusinessClassFare=$_SESSION["BusinessClassFare"];
}
}

for($f=1; $f == 1; $f++)
{
$query = "SELECT * FROM route WHERE id = '". $_POST["id"]. "'";
$sql_result = mysqli_query($conn, $query);
$StandardClassFare = mysqli_fetch_assoc($sql_result);
if(!empty($StandardClassFare)){
    $_SESSION['StandardClassFare'] = $StandardClassFare['StandardClassFare'];

    $_SESSION["StandardClassFare"] = $StandardClassFare["StandardClassFare"];

    $StandardClassFare=$_SESSION["StandardClassFare"];
}
}

for($f=1; $f == 1; $f++)
{
$query = "SELECT * FROM route WHERE id = '". $_POST["id"]. "'";
$sql_result = mysqli_query($conn, $query);
$EconomicalClassFare = mysqli_fetch_assoc($sql_result);
if(!empty($EconomicalClassFare)){
    $_SESSION['EconomicalClassFare'] = $EconomicalClassFare['EconomicalClassFare'];

```

```

$_SESSION["EconomicalClassFare"] = $EconomicalClassFare["EconomicalClassFare"];

$EconomicalClassFare=$_SESSION["EconomicalClassFare"];
}
}

for($f=1; $f == 1; $f++)
{
$query = "SELECT * FROM seatavailability WHERE TrainName='$TrainName'";
$sql_result = mysqli_query($conn, $query);
$EconomicalAvailableseats = mysqli_fetch_assoc($sql_result);
if(!empty($EconomicalAvailableseats)){
    $_SESSION['EconomicalAvailableseats'] =
$EconomicalAvailableseats['EconomicalAvailableseats'];

    $_SESSION["EconomicalAvailableseats"] =
$EconomicalAvailableseats["EconomicalAvailableseats"];

    $EconomicalAvailableseats=$_SESSION["EconomicalAvailableseats"];
}
}
for($f=1; $f == 1; $f++)
{
$query = "SELECT * FROM seatavailability WHERE TrainName='$TrainName'";
$sql_result = mysqli_query($conn, $query);
$BusinessAvailableseats = mysqli_fetch_assoc($sql_result);
if(!empty($BusinessAvailableseats)){
    $_SESSION['BusinessAvailableseats'] =
$BusinessAvailableseats['BusinessAvailableseats'];

    $_SESSION["BusinessAvailableseats"] =
$BusinessAvailableseats["BusinessAvailableseats"];

    $BusinessAvailableseats=$_SESSION["BusinessAvailableseats"];
}
}
for($f=1; $f == 1; $f++)
{
$query = "SELECT * FROM seatavailability WHERE TrainName='$TrainName'";
$sql_result = mysqli_query($conn, $query);
$StandardAvailableseats = mysqli_fetch_assoc($sql_result);
if(!empty($StandardAvailableseats)){
    $_SESSION['StandardAvailableseats'] =
$StandardAvailableseats['StandardAvailableseats'];

    $_SESSION["StandardAvailableseats"] =
$StandardAvailableseats["StandardAvailableseats"];
}
}

```

```

    $StandardAvailableseats=$_SESSION["StandardAvailableseats"];
}
}
}

if (isset($_POST['submit']))
{

$name=$_POST['name'];
$age=$_POST['age'];
$gender=$_POST['gender'];
$type=$_POST['type'];
$seat=$_POST['seat'];
$bdate=$_POST['bdate'];
$tdate=$_POST['tdate'];
$last_id = 1;
$TrainName = $_SESSION["TrainName"];

$username= $_SESSION["Username"];

$FromStation=$_SESSION["FromStation"];
$ToStation=$_SESSION["ToStation"];
$BusinessAvailableseats=$_SESSION["BusinessAvailableseats"];
$StandardAvailableseats=$_SESSION["StandardAvailableseats"];
$EconomicalAvailableseats=$_SESSION["EconomicalAvailableseats"];
$seatable = 'Available seats';
if($type == 'Business')
{
    $fare=$_SESSION["BusinessClassFare"];
    $seatable = $BusinessAvailableseats;
}
elseif($type == 'Economical')
{
    $fare = $_SESSION["EconomicalClassFare"];
    $seatable = $EconomicalAvailableseats;
}
else{
    $fare = $_SESSION["StandardClassFare"];
    $seatable = $StandardAvailableseats;
}
if($seatable > $seat)
{
    $sql = "INSERT INTO bookings
(Username,NameOfPassenger,TrainName,FromStation,ToStation, Age,Gender,SeatClass,
TotalBookedSeats,TotalFare,BookingDate,TravelingDate) VALUES
('$username','$name','$TrainName','$FromStation', '$ToStation','$age',
'$gender','$type',$seat,$fare*$seat,'$bdate','$tdate');";
    if(mysqli_query($conn, $sql))
    {
        $last_id = $conn->insert_id;
    }
}

```

```

    $message = "Thank You! For Booking your Ticket in $TrainName and ur id =
    $last_id";
    echo "<script type='text/javascript'>alert('$message');</script>";
}
else
{
    $message = "Sorry!!! Your seats cannot be Booked. Please try again.";
    echo "<script type='text/javascript'>alert('$message');</script>";
}

$a = true;
if($stype == 'Business')
{
    if($BusinessAvailableseats > $seat)
    {
        $sql1 = "UPDATE seatavailablility SET BusinessAvailableseats =
        BusinessAvailableseats-'$seat' , BusinessBookedseats=BusinessBookedseats+'$seat'
        WHERE TrainName='$TrainName'; ";
        if(mysqli_query($conn, $sql1))
        {
            $message = "Your Bussiness Class Seats have been booked";
            echo "<script type='text/javascript'>alert('$message');</script>";
            goto l1;
        }
        else
        {
            $message = "Sorry!!!! Bussinuss Class seat are not booked";
            echo "<script type='text/javascript'>alert('$message');</script>";
        }
    }
    else
    {
        $message = "Sorry!!!! Bussinuss Class seat are not available";
        echo "<script type='text/javascript'>alert('$message');</script>";
    }
}
elseif($stype == 'Economical')
{
    if($EconomicalAvailableseats > $seat)
    {
        $sql1 = "UPDATE seatavailablility SET EconomicalAvailableseats =
        EconomicalAvailableseats-'$seat' ,
        EconomicalBookedseats=EconomicalBookedseats+'$seat' WHERE TrainName='$TrainName'; ";
        if(mysqli_query($conn, $sql1))
        {
            $message = "Your Economical Class Seats have been booked";
            echo "<script type='text/javascript'>alert('$message');</script>";
            goto l1;
        }
    }
}

```

```

        else
        {
            $message = "Sorry!!!! Economical Class seat are not booked";
            echo "<script type='text/javascript'>alert('$message');</script>";
        }
    }else
    {
        $message = "Sorry!!!! Economical Class seat are not available";
        echo "<script type='text/javascript'>alert('$message');</script>";
    }
}
else
{
    if($StandardAvailableseats > $seat)
    {
        $sql1 = "UPDATE seatavailability SET StandardAvailableseats =
StandardAvailableseats-'$seat' , StandardBookedseats=StandardBookedseats+'$seat'
WHERE TrainName='$TrainName'";
        if(mysqli_query($conn, $sql1))
        {
            $message = "Your Standard Class Seats have been booked";
            echo "<script type='text/javascript'>alert('$message');</script>";
            goto l1;
        }
        else
        {
            $message = "Sorry!!!! Standard Class seat are not booked";
            echo "<script type='text/javascript'>alert('$message');</script>";
        }
    }else
    {
        $message = "Sorry!!!! Standard Class seat are not available /n Please
booking Again.";
        echo "<script type='text/javascript'>alert('$message');</script>";
    }
}
echo "<script type='text/javascript'>alert('$message');</script>";

}
else
{
    $message = "Sorry!!!! $seat $stype Class seat of $TrainName are not available
anymore. Please try to booking Again with other class or less seats of $stype
class.";
    echo "<script type='text/javascript'>alert('$message');</script>";
}
}

```



```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Railway Management System</title>
```

```
    <link rel="stylesheet"
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
```

```
integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
```

```
crossorigin="anonymous">
```

```
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-  
awesome/4.7.0/css/font-awesome.min.css" integrity="sha384-
```

```
wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCaf1NEuvoEH3S10sibVc0QVnN"
```

```
crossorigin="anonymous">
```

```
    <link rel="stylesheet" href="node_modules/font-awesome/css/font-  
awesome.min.css">
```

```
    <link rel="stylesheet" href="node_modules/bootstrap-social/bootstrap-  
social.css">
```

```
    <link rel="stylesheet" href="styles.css">
```

```
</style>
```

```
table.center {
```

```
  margin-left: auto;
```

```
  margin-right: auto;
```

```
}
```

```
input[type=text],input[type=date], select {
```

```
  width: 100%;
```

```
  padding: 12px 20px;
```

```
  margin: 8px 0;
```

```
  display: inline-block;
```

```
  border: 1px solid #ccc;
```

```
  border-radius: 4px;
```

```
  box-sizing: border-box;
```

```
}
```

```
.icon {
```

```
  width: 0.5em;
```

```
  height: 0.5em;
```

```
  fill: red;
```

```
  vertical-align: top;
```

```
}
```

```
</style>
```

```
  </head>
```

```
  <body>
```



```

        <div class="col-sm-3 offset-sm-1">
        <label for="number" class="col-form-label"><b>Credit Card
No. :</b></label>
        </div>

        <div class="col-sm-5">
        <input type="number" name="number" id="number"
placeholder="xxxx xxxx xxxx xxxx" class="form-control" >
        </div>
        </div>

        <div class="form-group row">
        <div class="col-sm-3 offset-sm-1">
        <label for="username" class="col-form-label"><b>Username
:</b></label>
        </div>
        <div class="col-sm-5">

        <input type="text" class="form-control" name="username"
id="username" placeholder="-- Enter username --">

        </div>
        </div>

        <div class="form-group row">
        <div class="col-sm-3 offset-sm-1">
        <label for="pin" class="col-form-label"><b>Pin Code
:</b></label>
        </div>
        <div class="col-sm-5">
        <input type="password" class="form-control" name="pin"
id="pin" placeholder="xxxx">
        </div>
        </div>

        <div class="form-group row">
        <div class="col-sm-3 offset-sm-1">
        <label for="pin" class="col-form-label"><b>Expiry Month &
Year:</b></label>
        </div>
        <div class="col-sm-5">
        <input type="text" id="month" name="month"
placeholder="-- Expiry Month --">
        </div>
        </div>

        <div class="form-row">
        <button style="margin:5px; width:20%" type="button"
class="btn btn-danger "><a> Close</a> </button>

```



```
 <?php echo $FromStation ;echo ' To ' ; echo $ToStation?></td>  <h5>Fare:</h5> <td><?php echo $fare; ?></td>  </div> </div> <div style="text-align: right;"> <label for="number"><b>Booking ID :</b></label> <td><?php echo $last_id ?></td> </div> <hr/> <div > <h3 style="text-align: center;">Passenger Detail</h3> </div> <table class="center" border="9" cellpadding="10" cellspacing="20" width="100%"> <tr> <th> Sr. No </th> <th> Name </th> <th> Age </th> <th> Gender </th> <th> Booked Seats </th> <th> Total Fare </th>  </tr> <tr> <th> 1 </th> <td><?php echo $name; ?></td> <td><?php echo $age; ?></td> <td><?php echo $gender; ?></td> <td><?php echo $seat; ?></td> <td><?php echo $fare*$seat; ?></td>  </tr>  </table> <br/> <div style="text-align: right;"> <label for="number"><b>Total Fare : </b></label> <td><?php echo $fare*$seat; ?></td> <label for="number"><b> pkr</b></label> </div> </div> </div> <div class="modal-footer" id="clr2"> |
```

```

        <button style="background-color:FF0033 ; width:49.5%;height:5%;font-
size: 15px;font-weight: bold" TYPE="button" class="btn btn-warning "> <a
href="passenger_home.php" > Close </a> </button>
        <input style="background-color:00CC00;color:white; text-
decoration:none;width:49.5%;height:5%;font-size: 15px;font-weight: bold"type="button"
class="btn btn-danger " value="Print" onclick="printPage('block1');"></input>
    </div>

</div>
</div>

<!-- jQuery and JS bundle w/ Popper.js -->

<script>
    $('#ticket').click(function(){
        $('#TicketModal').modal();

    });
</script>
<script>
    $('#ticke').click(function(){
        $('#Ticketreceipt').modal();

    });
</script>

<script>

function printPage(id)
{
    var html="<html>";
    html+= document.getElementById(id).innerHTML;
    html+="</html>";

    var printWin = window.open();

    printWin.document.write(html);
    printWin.document.close();
    printWin.focus();
    printWin.print();
    printWin.close();

}
</script>
</body>
</html>

<?php

```

```
if(isset($_SESSION['error']))
{
    session_destroy();
}

?>
```

SAMPLE OUT

Railway Management System

HomeBook TicketTrain TimingRecordsProfileLogout

Enter following details to search the required train:

From City :

secundarabad

To City :

tambaram


Date :

dd-mm-yyyy

Search

Reset

Available Trains



Charminar Express

Type:

Book Now

Fig.1.1 :TICKET BOOKING PAGE

Sign Up

Please fill in this form to create an account.

Full Name

Username

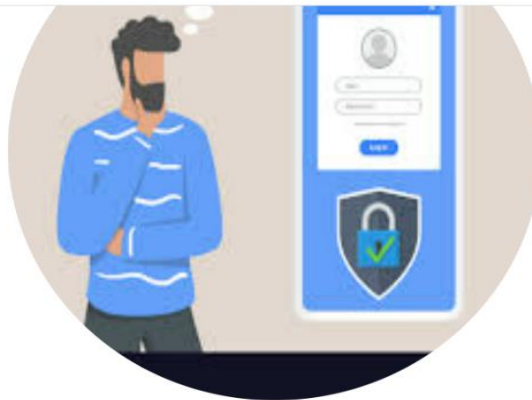
Email

Phone No.

Address

Date of Birth

Fig.1.2: Register page



Username

Password

Login

Cancel

Forgot [password?](#)

Fig.1.3: Login page

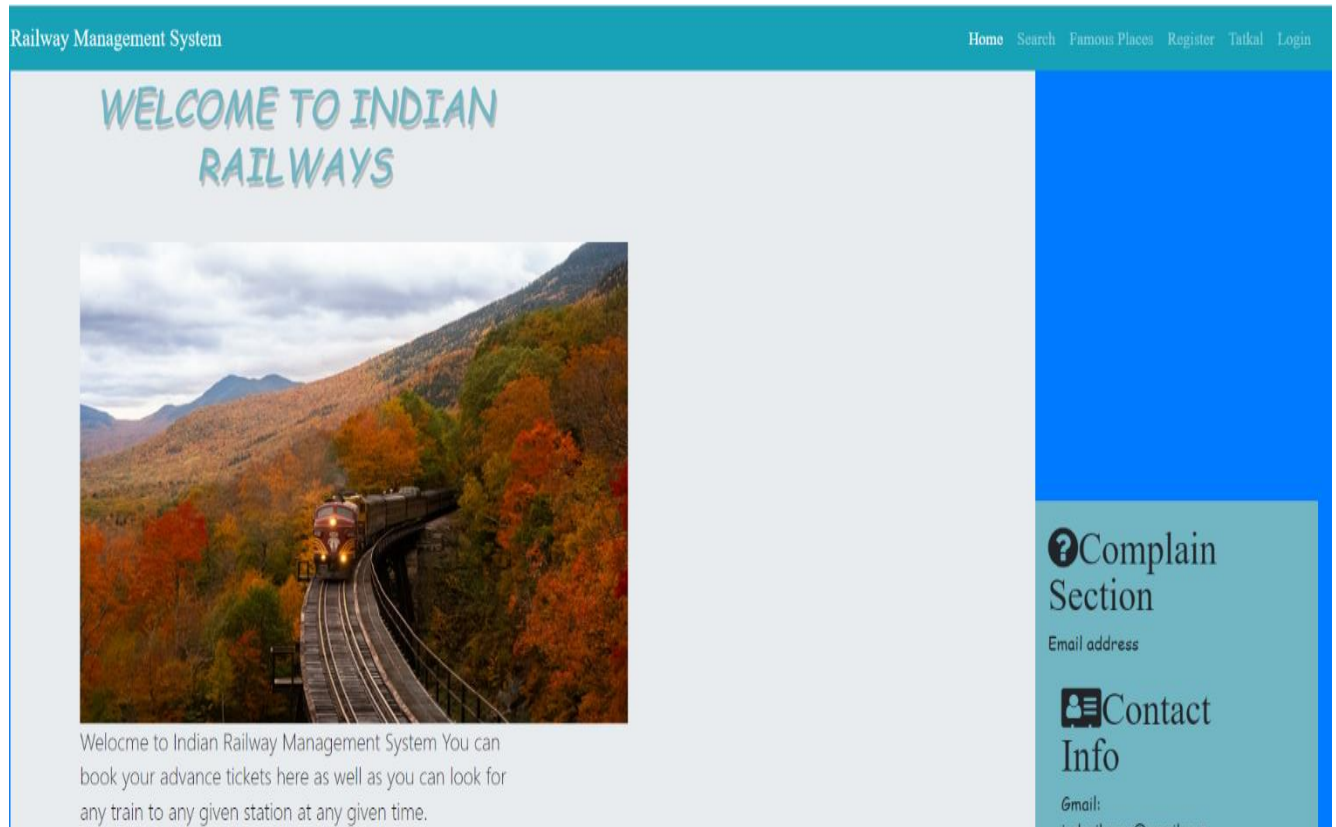


Fig.1.4: Home Page

Railway Ticketing System

Indian Railways forms the life line of the country by catering to its needs for large scale movement of freight as well as passenger traffic. It not only contributes to its economic growth but also promotes national integration.

Indian Railways endeavours to run the trains strictly in accordance to time table. The progressive freight train support organization operated by professional management and competent staff endeavours to provide reliable, competitive and economical service of recognized standards to its customers.

Indian Railways provides an important mode of Transportation in the farthest corners of the country and brings them closer for Business, sightseeing, pilgrimage and education. It has been a great integrating force and forms the life line of the country by catering to its needs for large scale movement of people and freight.



From Secunderabad to
tambaram

Timings:



From kachiguda to kadapa

Timings:

6:00am



From bangalore to
hyderabad Deccan

Timings:

Fig.1.5: Train Timing

All Routes

S.No	Route	Train Name	Train No	Fare	Distance
1					
2					
3					
4					
5					

Fig.1.6: Admin Page For Adding Routes