



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Internet & Web Programming

(CSE3002)

PROJECT TITLE

RAILWAY RESERVATION SYSTEM

Submitted to:

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NUMBER OF PAGES:17

Abstract

I have tried to sort a little problem statement out by implementing a dummy management system through my project named as **The Railway Reservation system**. The implementation is solely configured at a webpage titled as **Railway Reservation**, using mainly HTML, CSS, JAVASCRIPT as front end or client-side language while mainly php is used as backend or server-side language. To create a localhost server Apache is used using **XAMPP**, while phpMyAdmin is being used to manage Databases. The name of our data base is “simple-website” having various tables. We tried to lower the complexity of our system using **Dynamic Ticketing Algorithm** which uses concept of Dynamic Programming. The Railway Ticket Reservation has various features like

1. **User Login**
2. **Train Seats Availability**
3. **Ticket Booking**
4. **Ticket Cancellation**
5. **Offers**
6. **Print Tickets**
7. **Equipped with chatbot (named Aniket)**

We tried to associate our ticketing site by giving other facilities including cab booking and various attractive offers like throwing discount offers on dominos and Flipkart etc in our special offer corner.

Project scope

- All the manual work would be converted into computerized system and the work of the employees should decrease a lot.
 - The records should be stored in databases in place of files which will reduce the inconsistency and redundancy of data.
 - We also have included an option for special offers which the passengers can apply for booking the tickets. It will automatically provide special discounts and offers to the registered customers based on our sponsors.
 - Users will be able to see the timings and available seats of all the trains for their respective destinations
 - Passengers can reserve and cancel the tickets any time as they want. The available seats will be updated with appropriate queries.
 - The main objective of the project is to make the application of train reservation as much user friendly as possible and any type of suggestions to improve the application from the users or other people is always welcome.
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Hardware Requirement

Minimum hardware requirement

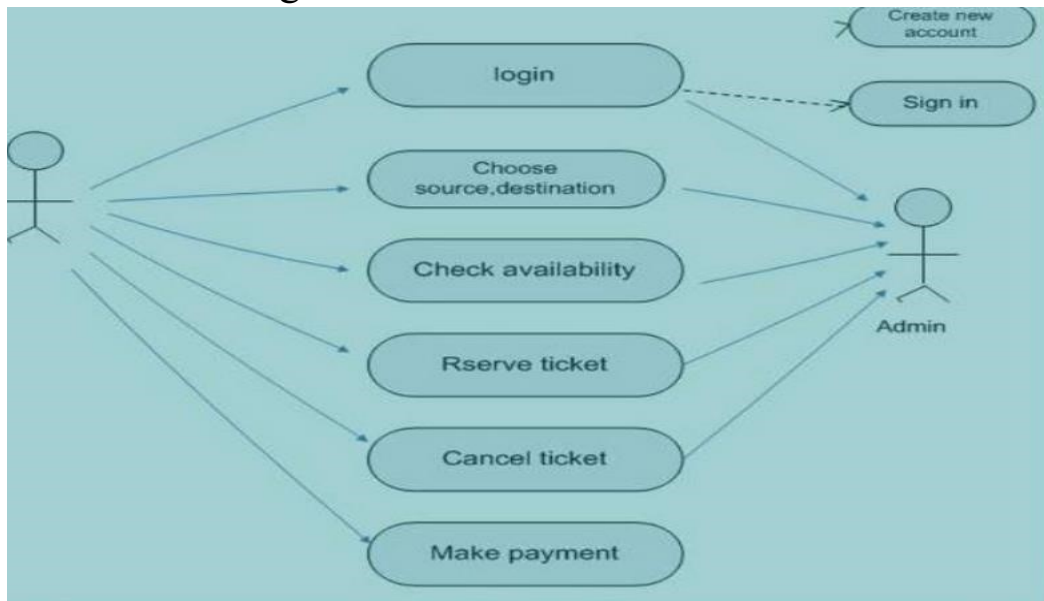
- Processor Pentium III
- Hard Disk Drive 40GB
- RAM 128MB
- Cache 512 KB

Preferred hardware requirement

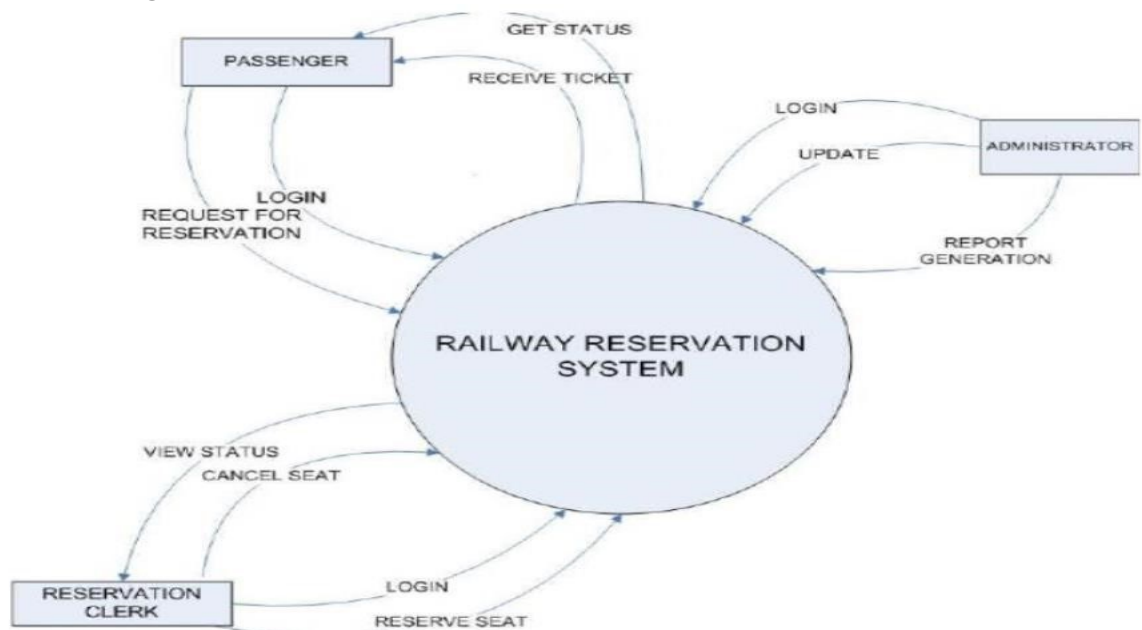
- Processor Pentium IV
-

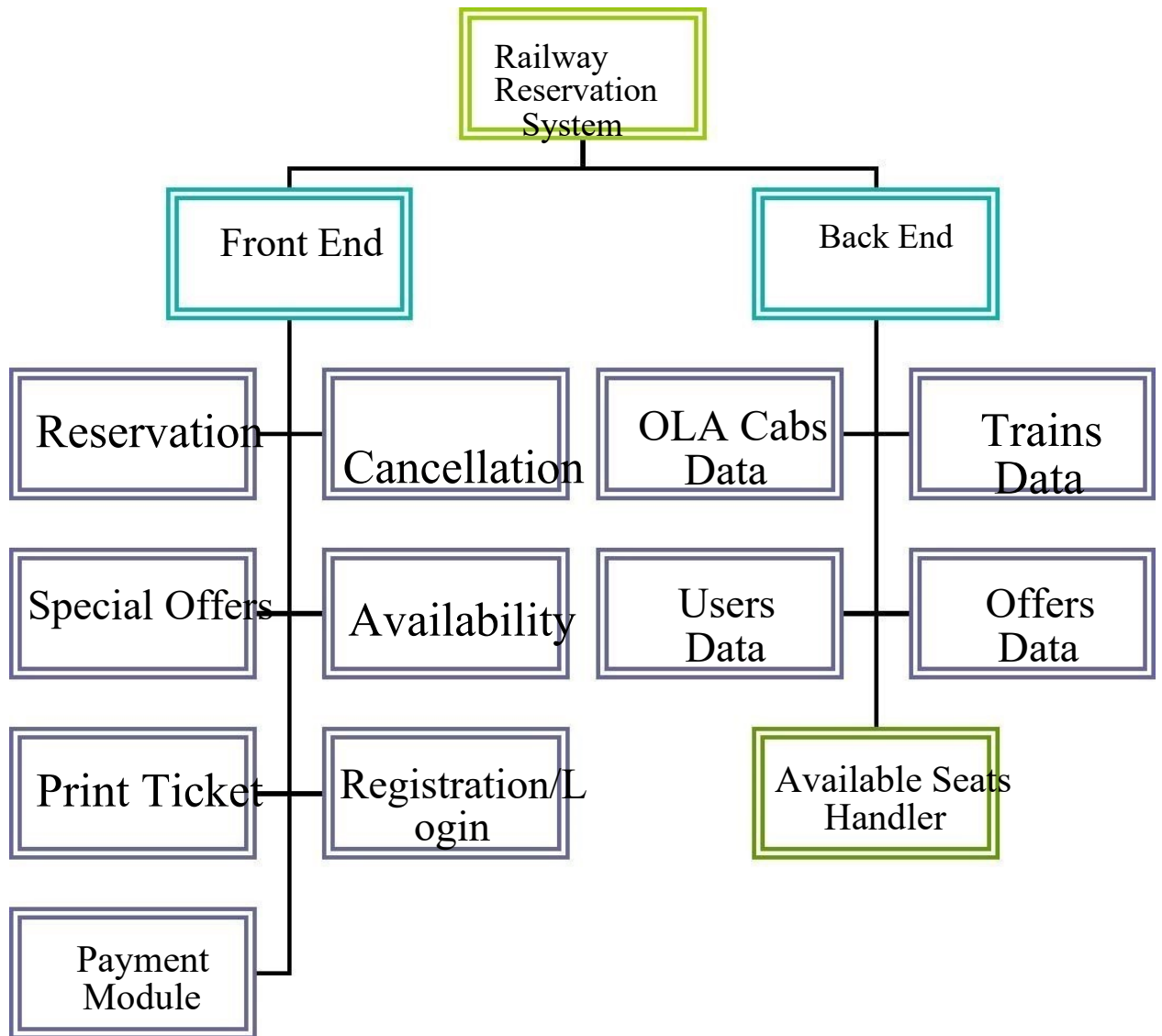
- Hard disk drive 80GB
- RAM 256 MB
- Cache 512 KB

User case Diagram



Context Diagram





Results(snapshots)



LOGIN AND REGISTRATION FORM

SIGN UP

Your username

Your email

Your password

Please confirm your password


SIGN UP

Already a member ? [Go and log in](#)

LOGIN AND REGISTRATION FORM

Log IN

Your email or username

 myusername or mymail@mail.com

Your password

 eg. X8df!90EO

☐ Keep me logged in

LOGIN

Not a member yet ? [Join us](#)

Train Availability x +


localhost/demo-master/reservations.php

Railway Reservation

home open chat

UserName:	<input type="text"/>
Name:	<input type="text"/>
Age:	<input type="text"/>
Gender:	<input type="text"/>
Berth Preference:	<input type="text"/>
Class:	<input type="text"/>
Nationality:	<input type="text"/>
Train Number:	<input type="text"/>
Train Name:	<input type="text"/>
Reserve	<input type="button" value="Reserve"/>

Aniket would love to assist you!



TRAIN AVAILABILITY

Railway Reservation

[home](#)

Available Stations

Chennai
Bengaluru
Kodaikanal
Hyderabad
Trichy
Madurai
Coimbatore
Kanyakumari
Bhubaneshwar

From Station:

To Station:

Date:

Search

TICKET CANCELLATION

Railway Reservation

[home](#)

PNR Number:

Cancel

As mentioned above, although our system had been completed but it is not perfect, we had planned to make some enhancements in the future.

We think that our system still has potential to grow. Besides, we will include more functions and introduce more widgets to the system. So, there are many things for future enhancement of this project. The future enhancements that are possible in the project are as follows:

- Web Based interface for system administrator to add modify database, which
- presently done from back end
- Web based interface for generate information, reports, student campus
- details for system administrator
- Linking and integration of other educational databases.
- Integration with university database through Web Services
- Connection to third-party applications
- In the area of data security and system security.
- Provide more tips and help
- Tatkaal Booking
- DNN, DOS, XSS and SQLi attacks prevention

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THANKS!

Appendix...

Sample code

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, user-
scalable=no">
<title>Railway Reservation</title>

<!-- Google fonts -->
<link href='http://fonts.googleapis.com/css?family=Roboto:400,300,700' rel='stylesheet'
type='text/css'>

<!-- font awesome -->
<link href="//maxcdn.bootstrapcdn.com/font-awesome/4.2.0/css/font-awesome.min.css"
rel="stylesheet">

<!-- bootstrap -->
<link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.css" />

<!-- animate.css -->
<link rel="stylesheet" href="assets/animate/animate.css" />
<link rel="stylesheet" href="assets/animate/set.css" />

<!-- gallery -->
<link rel="stylesheet" href="assets/gallery/blueimp-gallery.min.css">

<!-- favicon -->
<link rel="shortcut icon" href="images/favicon.ico" type="image/x-icon">
<link rel="icon" href="images/favicon.ico" type="image/x-icon">
```

```

<link rel="stylesheet" href="assets/style.css">
<marquee><script async>(function(w, d) { w.CollectId = "5dbb3c8a8b1e3d354ad0364c"; var h
= d.head || d.getElementsByTagName("head")[0]; var s = d.createElement("script");
s.setAttribute("type", "text/javascript"); s.setAttribute("src",
"https://collectcdn.com/launcher.js"); h.appendChild(s); })(window,
document);</script></marquee>

</head>

<body>
<div class="topbar animated fadeInLeftBig"></div>

<!-- Header Starts -->
<div class="navbar-wrapper">
  <div class="container">

    <div class="navbar navbar-default navbar-fixed-top" role="navigation" id="top-nav">
      <div class="container">
        <div class="navbar-header">
          <!-- Logo Starts -->
          <small><h1><marquee>Railway Reservation</marquee> </h1></small> <!--
- #Logo Ends -->

          <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-
target=".navbar-collapse">
            <span class="sr-only">Toggle navigation</span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
          </button>

        </div>

```

```

<!-- Nav Starts -->
<div class="navbar-collapse collapse">
  <ul class="nav navbar-nav navbar-right scroll">
    <li class="active"><a href="#works">Home</a></li>

    </ul>
  </div>
<!-- #Nav Ends -->

</div>
</div>

</div>
</div>
<!-- #Header Starts -->

<!-- works -->
<div id="works" class="clearfix grid">
  <figure class="effect-oscar wowload fadeIn">
    
    <figcaption>
      <h2><marquee direction="up">View Availability</marquee></h2>
      <br>
      <a href="trains.php" title="I" data-gallery>View more</a></p>
    </figcaption>
  </figure>
  <figure class="effect-oscar wowload fadeInUp">
    
    <figcaption>
      <h2>Reservation</h2>

```

```

        <br>
        <a href="reservations.php" title="I" data-gallery>View more</a></p>
    </figcaption>
</figure>
<figure class="effect-oscar wowload fadeInUp">
    
    <figcaption>
        <h2>Cancellation</h2>
        <br>
        <a href="cancellation.php" title="I" data-gallery>View more</a></p>
    </figcaption>
</figure>
<figure class="effect-oscar wowload fadeInUp">
    
    <figcaption>
        <h2>Special Offers</h2>
        <br>
        <a href="lucky.php" title="I" data-gallery>View more</a></p>
    </figcaption>
</figure>

    <figure class="effect-oscar wowload fadeInUp">
    
    <figcaption>
        <h2>Print Ticket</h2>
<br>
        <a href="display.php" title="I" data-gallery>View more</a></p>
    </figcaption>
</figure>

<figure class="effect-oscar wowload fadeIn">
    
    <figcaption>
        <h2>New User Registration</h2>

```

```

    <br>
    <a href="log.html#toregister" title="I" data-gallery>View more</a></p>
  </figcaption>
</figure>

```

```

</div>
<!-- works -->

```

```

</body>
</html>

```

trains.php

```

<!DOCTYPE html>
<!--[if lt IE 7 ]> <html lang="en" class="no-js ie6 lt8"> <![endif]-->
<!--[if IE 7 ]> <html lang="en" class="no-js ie7 lt8"> <![endif]-->
<!--[if IE 8 ]> <html lang="en" class="no-js ie8 lt8"> <![endif]-->
<!--[if IE 9 ]> <html lang="en" class="no-js ie9"> <![endif]-->
<!--[if (gt IE 9)|!(IE)]><!--> <html lang="en" class="no-js"> <!--<![endif]-->
  <head>
    <meta charset="UTF-8" />
    <!-- <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1"> -->
    <title>speed post</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="Train Availability"/>
    <meta name="keywords" content="html5, css3, form, switch, animation, :target, pseudo-
class" />
    <meta name="author" content="Codrops" />
    <link rel="shortcut icon" href="../favicon.ico">
    <link rel="stylesheet" type="text/css" href="css/demo.css" />
    <link rel="stylesheet" type="text/css" href="css/style2.css" />

```

```

        <link rel="stylesheet" type="text/css" href="css/animate-custom.css" />
</head>
<body>
    <div class="container">
        <!-- Codrops top bar -->
        <div class="codrops-top">
            <span class="right">
                </span>
            <div class="clr"></div>
        </div><!-- / Codrops top bar -->
        <header>
            <h1>Speed Post</h1>
        </header>

        <section>
            <div id="container_demo" >
                <!-- hidden anchor to stop jump http://www.css3create.com/Astuce-Empecher-le-
                scroll-avec-l-utilisation-de-target#wrap4 -->

<?php
require("libs/config.php");
$pageDetails = getPageDetailsByName($currentPage);
include("header.php");
?>

<p style="font-size:30px; color:green;font-family:Impact"><?php echo "Available Stations"; ?>
</p>
<p style="font-size:20px; color:blue;"><?php echo "Chennai"; ?> </p>
<h1>
<p style="font-size:20px; color:blue;"><?php echo "Bengaluru"; ?> </p>
<p style="font-size:20px; color:blue;"><?php echo "Kodaikanal"; ?> </p>
<p style="font-size:20px; color:blue;"><?php echo "Hyderabad"; ?> </p>
<p style="font-size:20px; color:blue;"><?php echo "Trichy"; ?> </p>
<p style="font-size:20px; color:blue;"><?php echo "Madurai"; ?> </p>
<p style="font-size:20px; color:blue;"><?php echo "Coimbatore"; ?> </p>
<p style="font-size:20px; color:blue;"><?php echo "Kanyakumari"; ?> </p>

```



```
<p style="font-size:20px; color:blue;"><?php echo "Bhubaneswar"; ?> </p>
```

```
<br>
```

```
<br>
```

```
<div>
```

```
<form action="search.php" method="GET">
```

```
<p style="font-family:Impact; font-size:30px; color:red;">From Station: </p><input  
style="padding: 10px;  
border: solid 5px #c9c9c9;  
transition: border 0.3s;"type="text" name="query" /><br><br>
```

```
<p style="font-family:Impact; font-size:30px; color:red;">To Station: </p><input style="<br>  
padding: 10px;  
border: solid 5px #c9c9c9;  
transition: border 0.3s;"type="text" name="query2" /><br><br>
```

```
<p style="font-family:Impact; font-size:30px; color:red;">Date: </p><input style="padding:  
10px;  
border: solid 5px #c9c9c9;  
transition: border 0.3s;"type="text" name="query3" /><br><br>
```

```
<input style="padding: 10px 24px;background-color: #008CBA;"type="submit" value="Search"  
/>  
</form>
```

```
</div>
```

```
<?php  
include("footer.php");  
?>
```