VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

"Railway Ticket Availability"

Submitted in partial fulfilment for the award of degree(18CSI85)

**COMPUTER SCIENCE AND
ENGINEERING**

Submitted by:

NAME:UMESH ABBANNA

USN:1SK19CS043

Varcons Technologies Pvt Ltd

Conducted at
**VARCONS TECHNOLOGIES
PRIVATE LIMITED**

GOVT. S.K.S.J TECHNOLOGICAL INSTITUTE

(Affiliated to Visvesvaraya Technological University, Belgaum)
KR circle, Bangalore – 560001

CERTIFICATE

This is to certify that the Internship titled **"Railway Ticket availability"** carried out by **Mr. UMESH ABBANNA,** a bonafide student of Govt S K S J T Institute Bangalore, in partial fulfillment for the award of **Bachelor of Engineering**, in **Computer Science and engineering** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect

of Internship prescribed for the course Internship / Professional Practice (18CSI85)

Signature of Guide   **Signature of HOD**   **Signature of Principal**

External Viva:

Name of the Examiner   Signature with Date

1)_____

2)_____

D E C L A R A T I O N

I, **UMESH ABBANNA**, final year student of **COMPUTER SCIENCE AND ENGINEERING, Govt S K S J T Institute Bangalore,**declare that the Internship has been successfully completed, in **VARCONS TECHNOLOGIES PRIVATE LIMITED**. This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Computer Science, during the academic year 2022-2023.

Date:26/09/2022
Place :Bangalore
USN : **1SK19CS043**

Name: **Umesh Abbanna**

OFFER LETTER PROVIDED BY THE COMPANY

INTERNSHIP OFFER LETTER

Varcons Technologies Pvt Ltd

Date: **23rd August, 2022**

Name: **Umesh Abbanna**
USN: **1SK19CS043**

Dear Student,

We would like to congratulate you on being selected for the **Full Stack Web Development** Internship position with **Varcons Technologies Pvt Ltd**, effective Start Date **23rd August, 2022**, All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Full Stack Web Development** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!.

Sincerely,

Spoorthi H C
Director
VARCONS TECHNOLOGIES PVT LTD
213, 2st Floor,
18 M G Road, Ulsoor,
Bangalore-560001

A C K N O W L E D G E M E N T

This Internship is a result of accumulated guidance, direction and support of several important persons. We take this opportunity to express our gratitude to all who have helped us to complete the Internship.

We express our sincere thanks to our principal, for providing usadequate facilities to undertake this Internship.

We would like to thank our HOD – branch code, for providing us an opportunity to carry out Internship and for his valuable guidance and support.

We would like to thank our (Lab assistant name) Software Services for guiding us during the period of internship.

We express our deep and profound gratitude to our guide, Guide name, Assistant/Associate Prof, for her keen interest and encouragement at every step in completing the Internship.

We would like to thank all the faculty members of our department for the support extended during the course of Internship.

We would like to thank the non-teaching members of our dept, for helping us during the Internship.

Last but not the least, we would like to thank our parents and friends without whose constant help, the completion of Internship would

Name :UMESH ABBANNA
USN:1SK19CS043

ABSTRACT

The Railway reservation system facilitates the passengers to enquire about the trains available on the basis of source and destination, Booking and Cancellation of tickets, enquire about the status of the booking ticket, etc. The aim of case study is to design and develop a database maintaining the records of different trains, train status, and passengers.

This project contains Introduction to the Railways reservation system. It is the computerized system of reserving the seats of train seats in advanced. It is mainly used for long route. On-line reservation has made the process for the reservation of seats very much easier than every before.

Railway Reservation System as described above, can lead to error free, secure, reliable and fast management systems. It can assist the user to concentrate on their other activities rather than concentrating on the record keeping. Thus, it helps organizations in better utilization of resources. The organization can maintain computerized records without redundant entries. This means that one need not be distracted by information that is not relevant, while being able to reach the information.

   In our country India, there are several counters for the reservation of the seats and one can easily make reservations and get tickets. Then this project contains an entity relationship model diagram based on the railway reservation system and introduction to relation model. There is also design of the Database of the railway reservation system based on relation model. Example of some SQL queries to retrieve data from railway database.

Table of Contents

CHAPTER 1

COMPANY PROFILE

1. <u>COMPANY PROFILE</u>

A Brief History of Varcons Technologies

Varcons Technologies, was incorporated with a goal" To provide high quality and optimal Technological Solutions to business requirements of our clients". Every business is a different and has a unique business model and so are the technological requirements. They understand this and hence the solutions provided to these requirements are different as well. They focus on clients requirements and provide them with tailor made technological solutions. They also understand that Reach of their Product to its targeted market or the automation of the existing process into e-client and simple process are the key features that our clients desire from Technological Solution they are looking for and these are the features that we focus on while designing the solutions for their clients.

Sarvamoola Software Services. is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever-increasing automation requirements, Sarvamoola Software Services. specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting clients requirements.

Varcons Technologies, strive to be the front runner in creativity and innovation in software development through their well-researched expertise and establish it as an out of the box software development company in Bangalore, India. As a software development company, they translate this software development expertise into value for their customers through their professional solutions.

They understand that the best desired output can be achieved only by understanding the clients demand better. Varcons Technologies work with their clients and help them todefine their exact solution requirement. Sometimes even they wonder that they have completely redefined their solution or new application requirement during the brainstorming session, and here they position themselves as an IT solutions consulting group comprising of high caliber consultants.

They believe that Technology when used properly can help any business to scale and achieve new heights of success. It helps Improve its efficiency, profitability, reliability; to put itin one sentence " Technology helps you to Delight your Customers" and that is what we want to achieve.

CHAPTER 2

ABOUT THE COMPANY

2. <u>ABOUT THE COMPANY</u>

Varcons Technologies is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever-increasing automation requirements, Varcons Technologies specialize in ERP, Connectivity, SEO Services, Conference Management, effective webpromotion and tailor-made software products, designing solutions best suiting clients requirements. The organization where they have a right mix of professionals as a stakeholder to help us serve our clients with best of our capability and with at par industry standards.They have young, enthusiastic, passionate and creative Professionals to develop technologicalinnovations in the field of Mobile technologies, Web applications as well as Business and Enterprise solution. Motto of our organization is to "Collaborate with our clients to provide them with best Technological solution hence creating Good Present and Better Future for our client which will bring a cascading a positive effect in their business shape as well". Providing a Complete suite of technical solutions is not just our tag line, it is Our Vision for Our Clients and for Us, We strive hard to achieve it.

Products of Varcons Technologies.

Android Apps

It is the process by which new applications are created for devices running the Android operating system. Applications are usually developed in Java (and/or Kotlin; or other such option) programming language using the Android software development kit (SDK), but other development environments are also available, some such as Kotlin support the exact same Android APIs (and bytecode), while others such as Go have restricted API access.

The Android software development kit includes a comprehensive set of development tools. These include a debugger, libraries, a handset emulator based on QEMU, documentation, sample code, and tutorials. Currently supported development platforms include computers running Linux (any modern desktop Linux distribution), Mac OS X 10.5.8 or later, and Windows 7 or later. As of March 2015, the SDK is not available on Android itself, but software development is possible by using specialized Android applications.

Web Application

It is a client–server computer program in which the client (including the user interface and client- side logic) runs in a web browser. Common web applications include web mail, online

retail sales, online auctions, wikis, instant messaging services and many other functions. web applications use web documents written in a standard format such as HTML and JavaScript, which are supported by a variety of web browsers. Web applications can beconsidered as a specific variant of client–server software where the client software isdownloaded to the client machine when visiting the relevant web page, using standardprocedures such as HTTP. The Client web software updates may happen each time the web page is visited. During the session, the web browser interprets and displays the pages, andacts as the universal client for any web application. The use of web application frameworks can often reduce the number of errors in a program, both by making the code simpler, and by allowing one team to concentrate on the framework while another focuses on a specified usecase. In applications which are exposed to constant hacking attempts on the Internet, security-related problems can be caused by errors in the program.

Frameworks can also promote the use of best practices such as GET after POST. There are some who view a web application as a two-tier architecture. This can be a "smart" client that performs all the work and queries a "dumb" server, or a "dumb" client that relies on a "smart" server. The client would handle the presentation tier, the server would have the database (storage tier), and the business logic (application tier) would be on one of them or on both. While this increases the scalability of the applications and separates the display and the database, it still doesn't allow for true specialization of layers, so most applications will outgrow this model. An emerging strategy for application software companies is to provide web access to software previously distributed as local applications. Depending on the type of application, it may require the development of an entirely different browser-based interface, or merely adapting an existing application to use different presentation technology. These programs allow the user to pay a monthly or yearly fee for use of a software application without having to install it on a local hard drive. A company which follows this strategy is known as an application service provider (ASP), and ASPs are currently receiving much attention in the software industry.

Security breaches on these kinds of applications are a major concern because it can involve both enterprise information and private customer data. Protecting these assets is an important part of any web application and there are some key operational areas that must be included in the development process. This includes processes for authentication, authorization, asset handling, input, and logging and auditing. Building security into the applications from the beginning can be more effective and less disruptive in the long run.

Web design

It is encompassing many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and

search engine optimization. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. Web design partially overlaps web engineering in the broader scope of web development. Web designers are expected to have an awareness of usability and if their role involves creating markup then they are also expected to be up to date with web accessibility guidelines. Web design partially overlaps web engineering in the broader scope of web development.

Departments and services offered

Varcons Technologies plays an essential role as an institute, the level of education, development of student's skills is based on their trainers. If you do not have a good mentor then you may lag in many things from others and that is why we at Varcons Technologies gives you the facility of skilled employees so that you do not feel unsecured aboutthe academics. Personality development and academic status are some of those things which lie on mentor's hands. If you are trained well then you can do well in your future and knowing its importance of Varcons Technologies always tries to give you the best.

They have a great team of skilled mentors who are always ready to direct their trainees in the best possible way they can and to ensure the skills of mentors we held many skills development programs as well so that each and every mentor can develop their own skills with the demands of the companies so that they can prepare a complete packaged trainee.

Services provided by Varcons Technologies.

• Core Java and Advanced Java

• Web services and development

• Dot Net Framework

• Python

• Selenium Testing

• Conference / Event Management Service

• Academic Project Guidance

• On The Job Training

• Software Training

CHAPTER 3

INTRODUCTION

3. <u>INTRODUCTION</u>

1.1 Aim of the Project:

The main objective of the Railway ticket booking is to manage the details of Train, Booking, Seat, Ticket. The purpose of the project is to build an application program to reduce the manual work for managing the Train, Booking, Customer. It tracks all the details about the Seat, Ticket.

1.2 Project Overview:

The Railway Ticket booking has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

1.3 Project Description:

• Have a look on all trains in the database.
• Book a ticket according to Boarding Point & Destination Point.
• Gets a confirmed ticket with important details mentioned such as PNR, Name of Passengers, Age of passengers, Travel date and so on.
• Gets options to get Concession based on AGE criteria.

1.4 Scope of the Project:

The application is reduced as much as possible to avoid errors while entering the data. It also provides an error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Railway Reservation System, as described above, can lead to error free, secure, reliable and fast management systems. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organizations in better utilization of resources.

CHAPTER 4

SYSTEM ANALYSIS

4. <u>SYSTEM ANALYSIS</u>

1. Existing System

In the existing system the exams are done only manually but in proposed system we have to computerize the exams using this application.

- lack of security of data.
- More man power.
- Time consuming.
- Consumes large volume of pare work.
- Needs manual calculations.
- No direct role for the higher officials

2. Objective of the System

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.
- Security of data.
- Ensure data accuracies.
- Proper control of the higher officials.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interaction.
- Minimum time required

CHAPTER 5

REQUIREMENT ANALYSIS

5. REQUIREMENT ANALYSIS

Hardware Requirement Specification

      • MySQL

      • NODE JS

      • Notepad++ Editor

      • Processor: Intel core i5 processer

      • Memory: 15.6 GB

      • Hard Disk: 40 GB

Software Requirement Specification

A] Non-Functional Requirements

- **Availability**

The online registration system shall permit backing up of the registration database whileother registration actives are going on.

- **Accessibility**

The system shall be accessible by people with specific vision needs to the extent that a user shall be able to display whole user interface in a larger font without truncating displayed text or other values.

- **Security**

The access permissions for system data may only be change by the systems data administrator passwords shall never be viewable at the point of entry or any other time.

CHAPTER 6

IMPLEMENTATION

6. <u>IMPLEMENTATION</u>

<u>Admin.java</u>

```java
package com.shashi.beans;
import java.io.*;
@SuppressWarnings("serial")
public class AdminBean implements Serializable{
    private String uName,pWord,fName,lName,addR,mailId;
    private long phNo;
    public AdminBean() {}
    public void setUName(String uName)
    {
        this.uName=uName;
    }
    public String getUName()
    {
        return uName;
    }
    public void setPWord(String pWord)
    {
        this.pWord = pWord;
    }
    public String getPWord()
    {
        return pWord;
    }
    public void setFName(String fName)
    {
        this.fName = fName;
    }
    public String getFName() {
        return fName;
    }
    public void setLName(String lName)
    {
        this.lName = lName;
    }
    public String getLName()
    {
        return lName;
    }
    public void setAddr(String addR)
    {
        this.addR = addR;
    }
    public String getAddr()
    {
        return addR;
```

```java
    }
    public void setMailId(String mailId)
    {
        this.mailId = mailId;
    }
    public String getMailId()
    {
        return mailId;
    }
    public void setPhNo(long phNo)
    {
        this.phNo = phNo;
    }
    public long getPhNo()
    {
        return phNo;
    }
}
```

AdminSearchtrain.java

```java
package com.shashi.servlets;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

import com.shashi.utility.DBConnection;

import java.sql.*;
@SuppressWarnings("serial")
public class AdminSearchTrain extends HttpServlet{

    /**
     *
     * @param req
     * @param res
     * @throws IOException
     * @throws ServletException
     */
    protected void doPost(HttpServletRequest req,HttpServletResponse res) throws
IOException,ServletException
    {
        res.setContentType("text/html");
        PrintWriter pw = res.getWriter();
        Cookie ck[] = req.getCookies();
        if(ck!=null) {
            String uName = ck[0].getValue();
            String pWord = ck[1].getValue();
            if(!uName.equals("")||uName!=null) {
```

```java
                try {
                    Connection con = DBConnection.getCon();
                    PreparedStatement ps = con.prepareStatement("Select * from
train6 where tr_no=?");
                    ps.setLong(1,Long.parseLong(req.getParameter("trainnumber")))
;
                    ResultSet rs = ps.executeQuery();
                    if(rs.next()) {
                        RequestDispatcher rd =
req.getRequestDispatcher("AdminSearchTrain.html");
                        rd.include(req, res);
                        pw.println("<div class='main'><p1 class='menu'>Searched
Train Detail</p1></div>");
                        pw.println("<div class='tab'>"
                            + "<table>"
                            + "<tr><td class='blue'>Train Name
:</td><td>"+rs.getString("tr_name")+"</td></tr>"
                            + "<tr><td class='blue'>Train Number
:</td><td>"+rs.getLong("tr_no")+"</td></tr>"
                            + "<tr><td class='blue'>From Station
:</td><td>"+rs.getString("from_Stn")+"</td></tr>"
                            + "<tr><td class='blue'>To Station
:</td><td>"+rs.getString("to_Stn")+"</td></tr>"
                            + "<tr><td class='blue'>Available
Seats:</td><td>"+rs.getLong("available")+"</td></tr>"
                            + "<tr><td class='blue'>Fare (INR)
:</td><td>"+rs.getLong("fare")+" RS</td></tr>"
                            + "</table>"
                            + "</div>");
                    }
                    else {
                        RequestDispatcher rd =
req.getRequestDispatcher("AdminSearchTrain.html");
                        rd.include(req, res);
                        pw.println("<div class='tab'><p1 class='menu'>Train
No."+req.getParameter("trainnumber")+" is Not Available !</p1></div>");
                    }
                }
                catch(Exception e) {}

            }
        }
        else {
            RequestDispatcher rd = req.getRequestDispatcher("AdminLogin.html");
            rd.include(req, res);
            pw.println("<div class='tab'><p1 class='menu'>Please Login first
!</p1></div>");
        }
    }
```

```
}
```

Userbean.java

```java
package com.shashi.beans;
import java.io.*;
import java.sql.Blob;
@SuppressWarnings("serial")
public class UserBean implements Serializable{
    private String uName,pWord,fName,lName,addR,mailId;
    private long phNo;
    private Blob photo;
    public UserBean() {}
    public void setUName(String uName)
    {
        this.uName=uName;
    }
    public String getUName()
    {
        return uName;
    }
    public void setPWord(String pWord)
    {
        this.pWord = pWord;
    }
    public String getPWord()
    {
        return pWord;
    }
    public void setFName(String fName)
    {
        this.fName = fName;
    }
    public String getFName() {
        return fName;
    }
    public void setLName(String lName)
    {
        this.lName = lName;
    }
    public String getLName()
    {
        return lName;
    }
    public void setAddr(String addR)
    {
        this.addR = addR;
    }
```

```java
    public String getAddr()
    {
        return addR;
    }
    public void setMailId(String mailId)
    {
        this.mailId = mailId;
    }
    public String getMailId()
    {
        return mailId;
    }
    public void setPhNo(long phNo)
    {
        this.phNo = phNo;
    }
    public long getPhNo()
    {
        return phNo;
    }
    public void setPhoto(Blob photo)
    {
        this.photo = photo;
    }
    public Blob getPhoto()
    {
        return photo;
    }

}
```

Booktrain.java

```java
package com.shashi.servlets;
import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

import com.shashi.utility.DBConnection;
@SuppressWarnings("serial")
public class BookTrains extends HttpServlet{
    public void doPost(HttpServletRequest req,HttpServletResponse res) throws
IOException,ServletException
    {
        PrintWriter pw = res.getWriter();
        res.setContentType("text/html");
        Cookie ck[] =req.getCookies();
```

```java
        if(ck!=null) {
            String uName = ck[0].getValue();
            //String pWord = ck[1].getValue();
            RequestDispatcher rd = req.getRequestDispatcher("BookTrains.html");
            rd.include(req, res);
            if(!uName.equals("")||uName != null )
            {
                long seat =Long.parseLong(req.getParameter("seats"));
                long trainNo =Long.parseLong(req.getParameter("trainnumber"));
                try {
                    Connection con = DBConnection.getCon();
                    PreparedStatement ps = con.prepareStatement("Select * from
train6 where tr_no = ?");
                    ps.setLong(1,  trainNo);
                    ResultSet rs = ps.executeQuery();
                    if(rs.next())
                    {
                        long avail =rs.getLong("available");
                        if(seat>avail) {
                            pw.println("<div class='tab'><p1 class='menu
red'>Only "+avail+" Seats are Available in this Train!</p1></div>");

                        }
                        else if(seat<=avail) {
                            avail = avail - seat;
                            PreparedStatement ps1 = con.prepareStatement("update
train6 set available=? where tr_no=?");
                            ps1.setLong(1, avail);
                            ps1.setLong(2, trainNo);
                            int k= ps1.executeUpdate();
                            if(k==1)
                            {
                                pw.println("<div class='tab'><p1 class='menu
green'>"+seat+" Seats Booked Successfully!</p1></div>");

                            }
                            else {
                                pw.println("<div class='tab'><p1 class='menu
red'>Transaction Declined. Try Again !</p1></div>");

                            }
                        }
                    }
                    else {
                        pw.println("<div class='tab'><p1 class='menu'>Invalid
Train Number !</p1></div>");

                    }
```

```
                }
                catch(Exception e) {}
            }
        }
        else {
            RequestDispatcher rd = req.getRequestDispatcher("UserLogin.html");
            pw.println("<div class='tab'><p1 class='menu'>Please Login First
!</p1></div>");
            rd.include(req, res);
        }
    }

}
```

FareEnq.java

```java
package com.shashi.servlets;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

import com.shashi.utility.DBConnection;

import java.sql.*;
@SuppressWarnings("serial")
public class FareEnq extends HttpServlet{
    protected void doPost(HttpServletRequest req,HttpServletResponse res) throws
IOException,ServletException
    {
        res.setContentType("text/html");
        PrintWriter pw = res.getWriter();
        Cookie ck[] = req.getCookies();
        if(ck!=null) {
            String uName = ck[0].getValue();
            String pWord = ck[1].getValue();
            if(!uName.equals("")||uName!=null) {
                try {
                    Connection con = DBConnection.getCon();
                    PreparedStatement ps = con.prepareStatement("Select * from
train6 where from_stn=? and to_stn=?");
                    ps.setString(1,req.getParameter("fromstation"));
                    ps.setString(2, req.getParameter("tostation"));
                    ResultSet rs = ps.executeQuery();
                    if(rs.next())
                    {
                        RequestDispatcher rd =
req.getRequestDispatcher("UserHome.html");
                        rd.include(req, res);
```

```java
                        pw.println("<div class='tab'>" +
                             "         <p1 class='menu'>" +
                             "    Hello "+uName+" ! Welcome to our new NITRTC
Website" +
                             "          </p1>" +
                             "    </div>");
                        pw.println("<div class='main'><p1 class='menu'>Fare for
Trains BetWeen Station "+req.getParameter("fromstation")+" and
"+req.getParameter("tostation")+" is <p2 class=\"red\">RS
"+rs.getLong("fare")+"</p2></p1></div>");
                        pw.println("<div class='tab'><table><tr><th>Train
Name</th><th>Train No</th>"
                             + "<th>From Stn</th><th>To
Stn</th><th>Seats</th><th>Fare (INR)</th></tr>");
                        do {
                             pw.println(""
                             + "<tr><td>"+rs.getString("tr_name")+"</td>"
                             + "<td>"+rs.getLong("tr_no")+"</td>"
                             + "<td>"+rs.getString("from_Stn")+"</td>"
                             + "<td>"+rs.getString("to_Stn")+"</td>"
                             + "<td>"+rs.getLong("available")+"</td>"
                             + "<td>"+rs.getLong("fare")+" RS</td></tr>");
                        }while(rs.next());
                        pw.println("</table></div>");
                        }
                    else {
                        RequestDispatcher rd =
req.getRequestDispatcher("TrainBwStn.html");
                        rd.include(req, res);
                        pw.println("<div class='tab'><p1 class='menu'>There are
no trains Between"+req.getParameter("fromstation")+" and
"+req.getParameter("tostation")+"</p1></div>");                }
                    }
                catch(Exception e) {}

            }
        }
        else {
            RequestDispatcher rd = req.getRequestDispatcher("UserLogin.html");
            rd.include(req, res);
            pw.println("<div class='tab'><p1 class='menu'>Please Login first
!</p1></div>");
        }
    }
}
```

Admintrainupdate.java

```java
package com.shashi.servlets;
import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

import com.shashi.utility.DBConnection;
@SuppressWarnings("serial")
public class AdminTrainUpdate extends HttpServlet{

    /**
     *
     * @param req
     * @param res
     * @throws IOException
     * @throws ServletException
     */
    protected void doPost(HttpServletRequest req,HttpServletResponse res) throws
IOException,ServletException
    {
        res.setContentType("text/html");
        PrintWriter pw = res.getWriter();
        Cookie ck[] = req.getCookies();
        if(ck!=null) {
            String uName = ck[0].getValue();
            String pWord = ck[1].getValue();
            if(!uName.equals("")||uName!=null) {
                    try {
                    Connection con = DBConnection.getCon();
                    long trNo =
Long.parseLong(req.getParameter("trainnumber"));
                    PreparedStatement ps = con.prepareStatement("select *
from train6 where tr_no=?");
                    ps.setLong(1, trNo);
                    ResultSet rs = ps.executeQuery();
                    if(rs.next()) {
                    RequestDispatcher rd =
req.getRequestDispatcher("AdminHome.html");
                    rd.include(req, res);
                    pw.println("<div class='tab'>Train Schedule
Update</div>");
                    pw.println("<div class='tab'>"
                            + "<table><form action='updatetrainschedule'
method='post'>"
                            + "<tr><td>Train No :</td><td><input type='text'
name='trainno' value='"+rs.getLong("tr_no")+"'></td></tr>"
                            + "<tr><td>Train Name :</td><td><input
type='text' name='trainname' value='"+rs.getString("tr_name")+"'></td></tr>"
                            + "<tr><td>From Station :</td><td><input
type='text' name='fromstation' value='"+rs.getString("from_stn")+"'></td></tr>"
```

```java
                                    + "<tr><td>To Station :</td><td><input
type='text' name='tostation' value='"+rs.getString("to_stn")+"'></td></tr>"
                                    + "<tr><td>Available seats:</td><td><input
type='text' name='available' value='"+rs.getLong("available")+"'></td></tr>"
                                    + "<tr><td>Fare (INR) :</td><td><input
type='text' name='fare' value='"+rs.getLong("fare")+"'></td></tr>"
                                    + "<tr><td></td><td><input type='submit'
name='submit' value='Update Train Schedule'></td></tr>"
                                    + "</form></table>"
                                    + "</div>");
                        }
                        else {
                            RequestDispatcher rd =
req.getRequestDispatcher("AdminUpdateTrain.html");
                            rd.include(req,  res);
                            pw.println("<div class='tab'>Train Not
Available</div>");
                        }
                    }
                        catch(Exception e) {}

            }
        }
        else {
            RequestDispatcher rd = req.getRequestDispatcher("AdminLogin.html");
            rd.include(req, res);
            pw.println("<div class='tab'><p1 class='menu'>Please Login first
!</p1></div>");
        }
    }

}
```
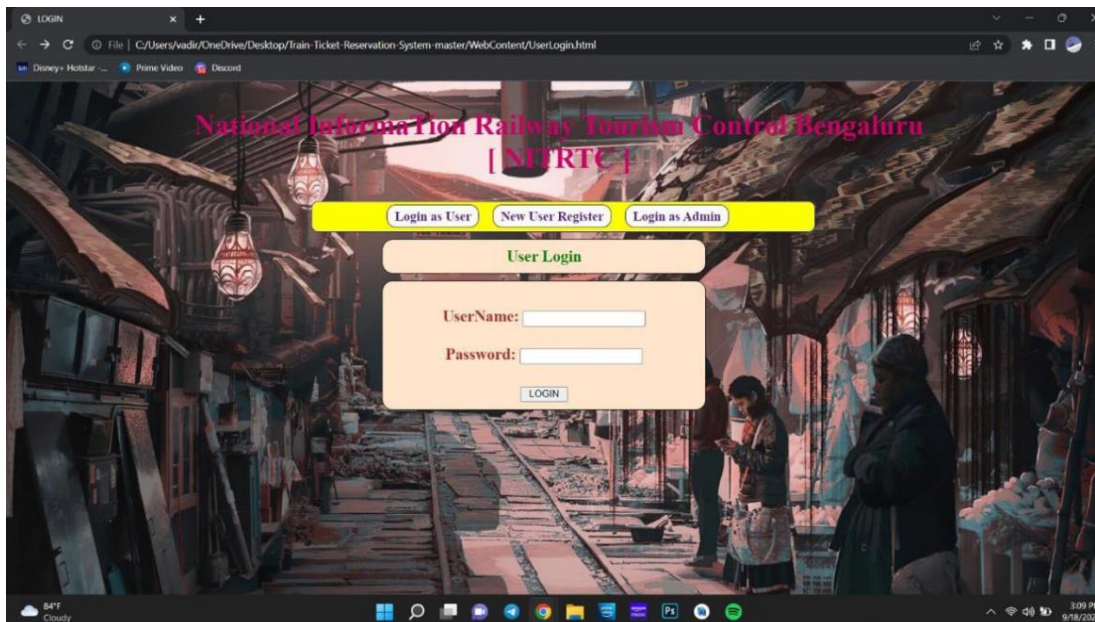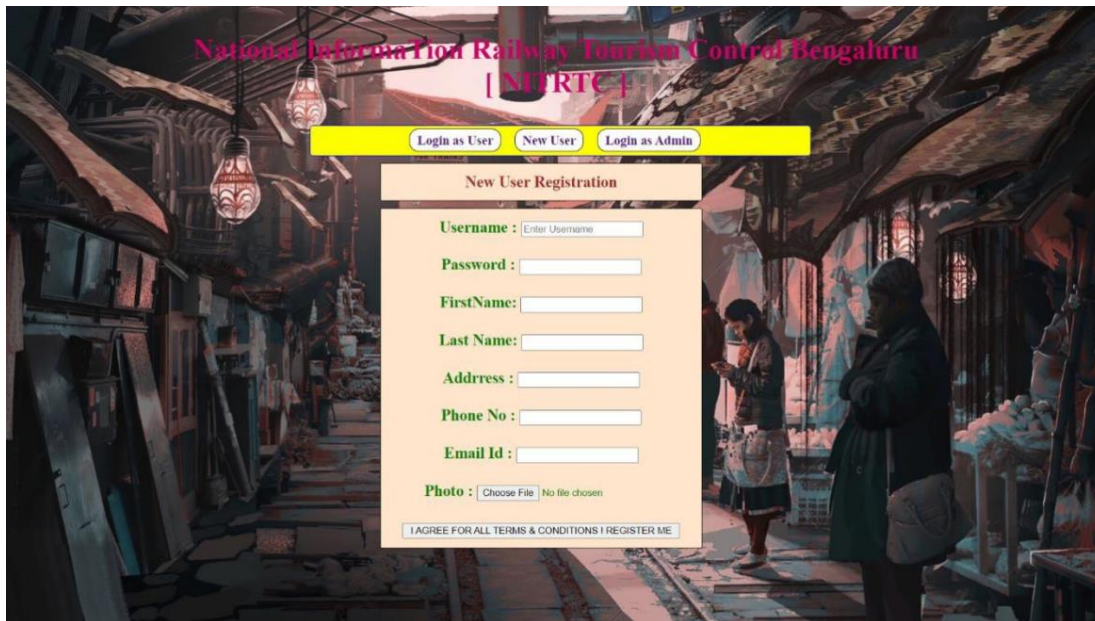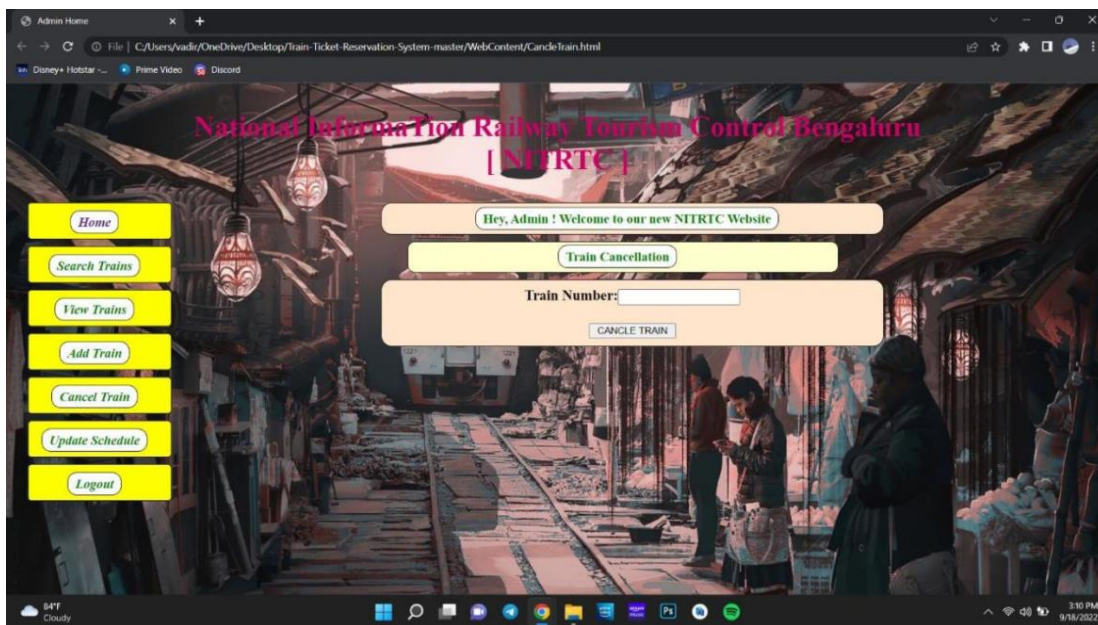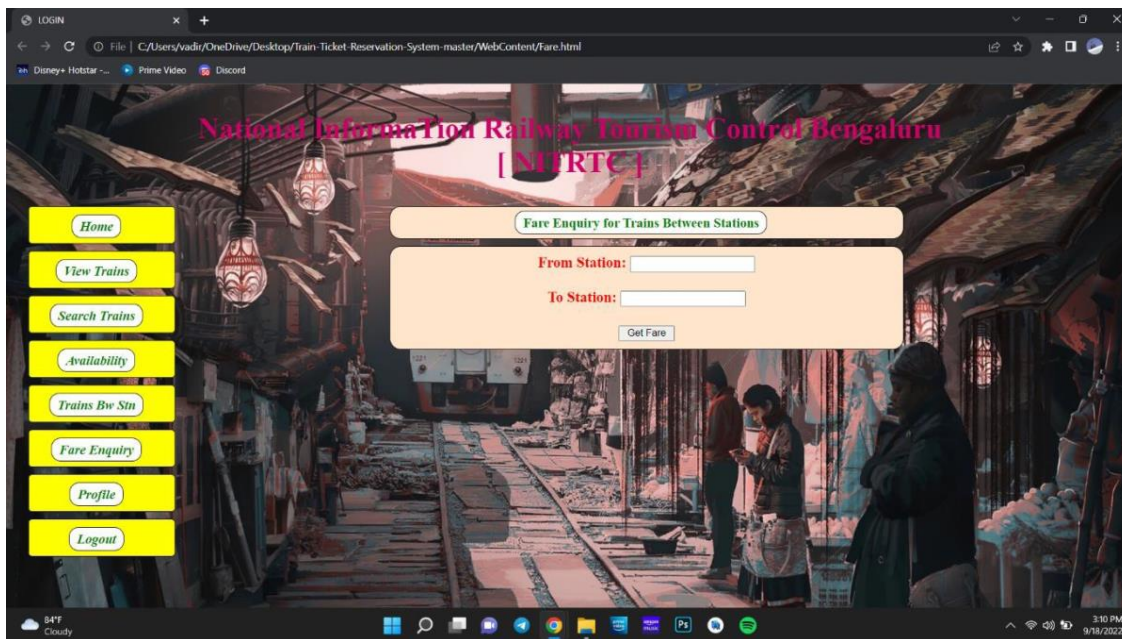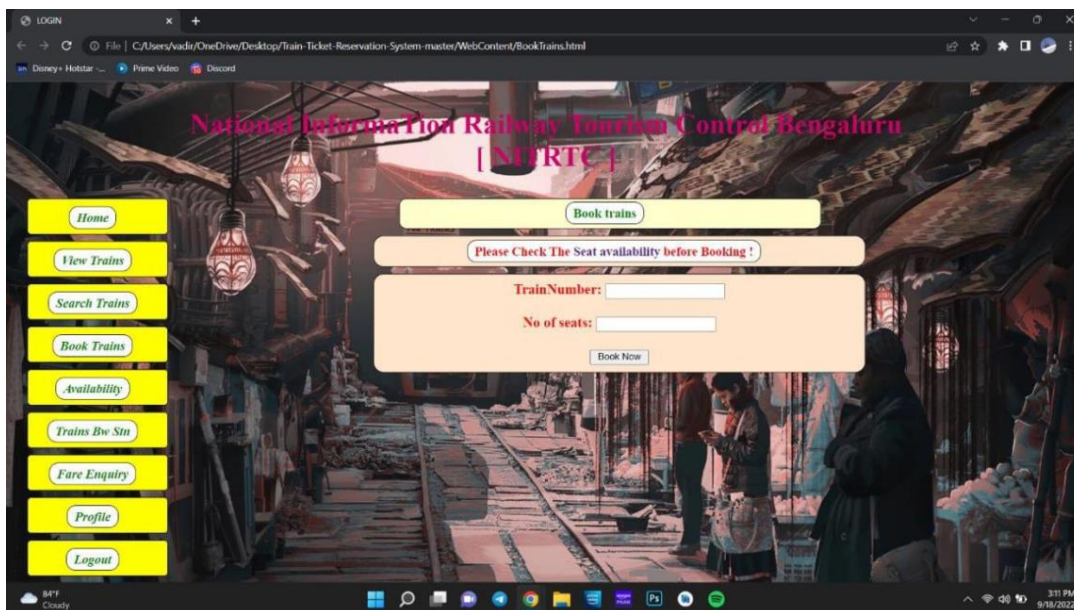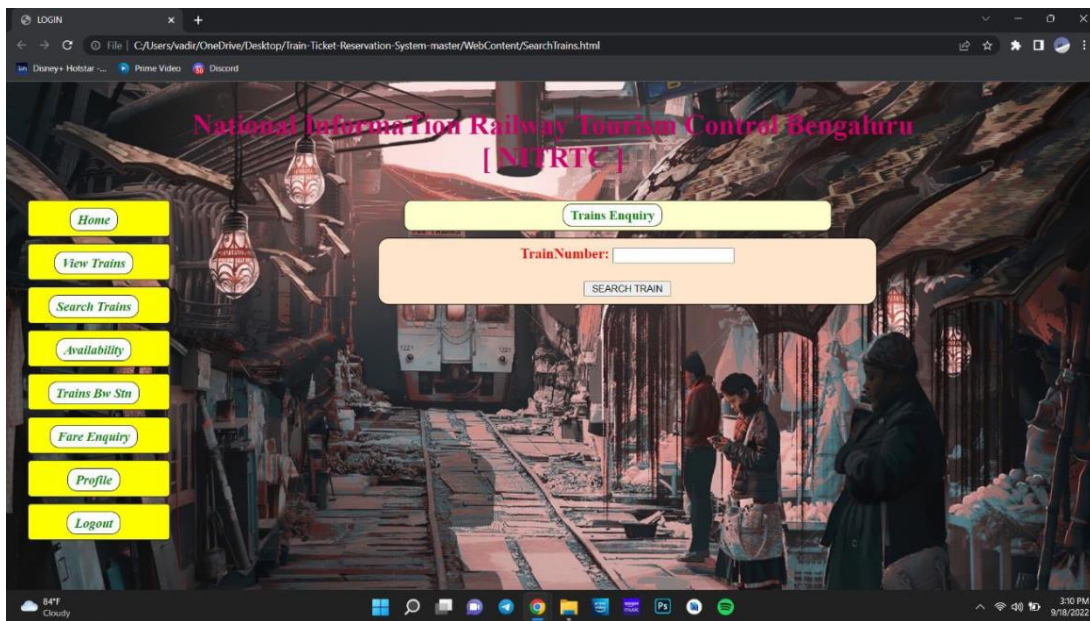
8 SNAPSHOTS

CHAPTER 9

CONCLUTION

8. <u>CONCLUTION</u>

In our project Railway ticket booking system we have stored all the information about the Trains scheduled and the user's booking tickets and even status of trains, seats, etc.

This database is helpful for application which facilitate passengers to book the train tickets and check the details of trains and their status from their place itself it avoids inconveniences of going to railway station for each and every query they get.

We had considered the most important requirements only; many more features and details can be added to our project in order to obtain even more user-friendly applications. These applications are already in progress and in future they can be upgraded and may become part of amazing technology.

9. <u>REFERENCE</u>

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