



# TRAIN TICKET GENERATION

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# Problem Statement

The application should generate a train ticket using the train details and passenger details

The generated ticket should contain the following details

1. PNR Number , Travel data , Train Number , Train Name , Source Station, Destination Station
2. Name, age, gender and ticket fare for each passenger
3. Total Ticket Price

# Short Description

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The project includes generating a train ticket and printing it to a file. The application should collect the passenger details and train number. The train's details should be saved in a database. Train number, train name, source and destination stations, and ticket price will be saved in the database . Using the train number Provided by the user , the database should be checked for train details





# Business Requirement

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The Trains should be fetched from database using train number

❑ Travel date should be after current Date

❑ The PNR number should be auto-generated by adding first character of source station, first character of destination station, travel date(yyymmdd) and a running counter starting from 100.

o Example: PNR for train from Bangalore to Mumbai with travel date 21/01/2017 wouldbe BM\_20170121\_100

❑ The ticket Fare for each passenger is calculated using the following rules

o For age  $\leq 12$ , fare is 50% of ticket price regardless of gender

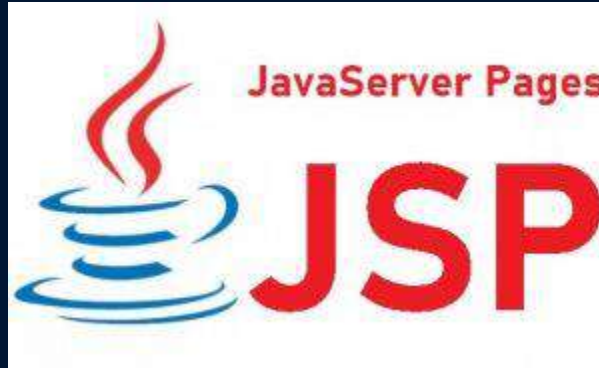
o For age  $\geq 60$ , fare is 60% of ticket price regardless of gender

o For Females, 25% discount on the ticket price

❑ The file name for storing the generated ticket should be the PNR Number.


# Technologies Used

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# Home Page

WELCOME TO EST.90 RAILWAYS



User Login

Admin Login

WELCOME TO EST.90 RAILWAYS

17°C Haze 8:16 PM 12/19/2021

The image shows a web browser window displaying the home page of 'EST.90 RAILWAYS'. The browser's address bar shows 'localhost:8080/spring/index.jsp'. The page features a background image of a train station with a train in motion. The main heading is 'WELCOME TO EST.90 RAILWAYS'. Below the heading is a circular logo with 'EST.90' at the top, 'BC' on the left, '90' on the right, and 'Travel With Ease' at the bottom. There are two buttons: 'User Login' and 'Admin Login'. At the bottom of the browser window, there is a Windows taskbar with a search bar, several icons, and system information including '17°C Haze', '8:16 PM', and '12/19/2021'.

# Admin Login

Please sign in

Username

Password

Sign in

localhost:8080/spring/login

Type here to search

17°C Haze 8:18 PM 12/19/2021



# Train Details

Train Details

localhost:8080/spring/showtrain?

Train Number	Train Name	Source	Destination	Ticket Price	Update Train	Delete Train
1001	Shatabdi Express	Bangalore	Delhi	2500.0	<a href="#">Update</a>	<a href="#">Delete</a>
1002	Shatabdi Express	Delhi	Bangalore	2500.0	<a href="#">Update</a>	<a href="#">Delete</a>
1003	Udyan Express	Bangalore	Mumbai	1500.0	<a href="#">Update</a>	<a href="#">Delete</a>
1004	Udyan Express	Mumbai	Bangalore	1500.0	<a href="#">Update</a>	<a href="#">Delete</a>
1005	Brindavan Express	Bangalore	Chennai	1000.0	<a href="#">Update</a>	<a href="#">Delete</a>
1006	Brindavan Express	Chennai	Bangalore	1000.0	<a href="#">Update</a>	<a href="#">Delete</a>

[Add](#) [Home](#)

Terminal 5 only  
Terminal 4 cross to platform 2  
Platform 16:07:20

Type here to search

17°C Haze ENG 8:20 PM IN 12/19/2021

# Update Train

Train Details

localhost:8080/spring/update?trainNo=1001

## Add Train

Train Number :	<input type="text" value="1001"/>
Train Name :	<input type="text" value="Shatabdi Express"/>
Source :	<input type="text" value="Bangalore"/>
Destination :	<input type="text" value="Delhi"/>
Ticket price:	<input type="text" value="2500.0"/>

submit

Platform 5 only  
Platform 4 cross to platform  
Platform 3  
16:07:20

Type here to search

17°C Haze ENG 8:20 PM  
IN 12/19/2021



# Add Train

Train Details

localhost:8080/spring/add?

## Add Train

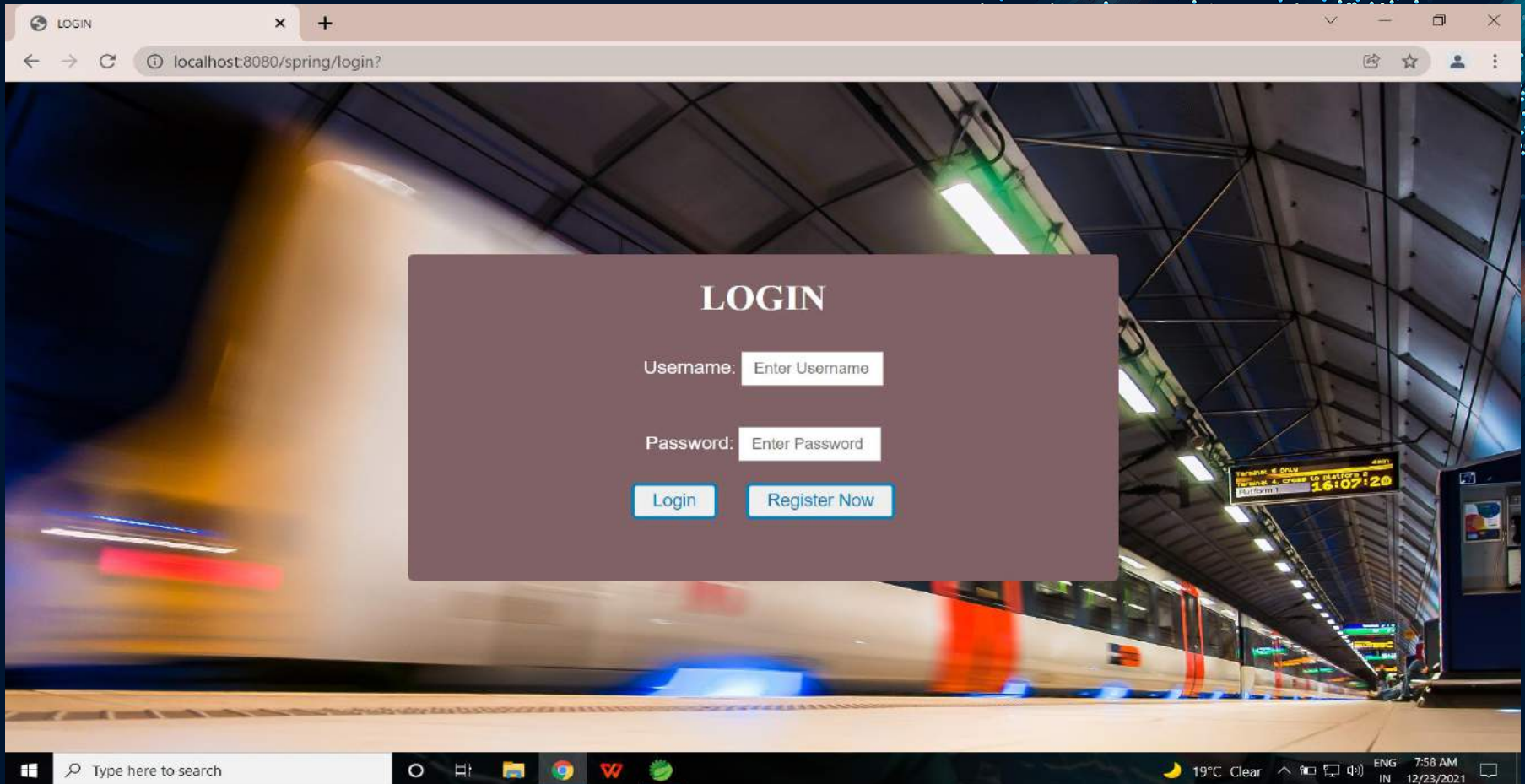
Train Number :	<input type="text" value="0"/>
Train Name :	<input type="text"/>
Source :	<input type="text"/>
Destination :	<input type="text"/>
Ticket price:	<input type="text"/>

submit

Type here to search

17°C Haze 8:20 PM 12/19/2021

# User Login



LOGIN

Username:

Password:

16:07:20

Type here to search

19°C Clear

ENG IN 7:58 AM 12/23/2021



# Registration page

SIGNUP

localhost:8080/spring/registration

## USER REGISTRATION

Name  User Email

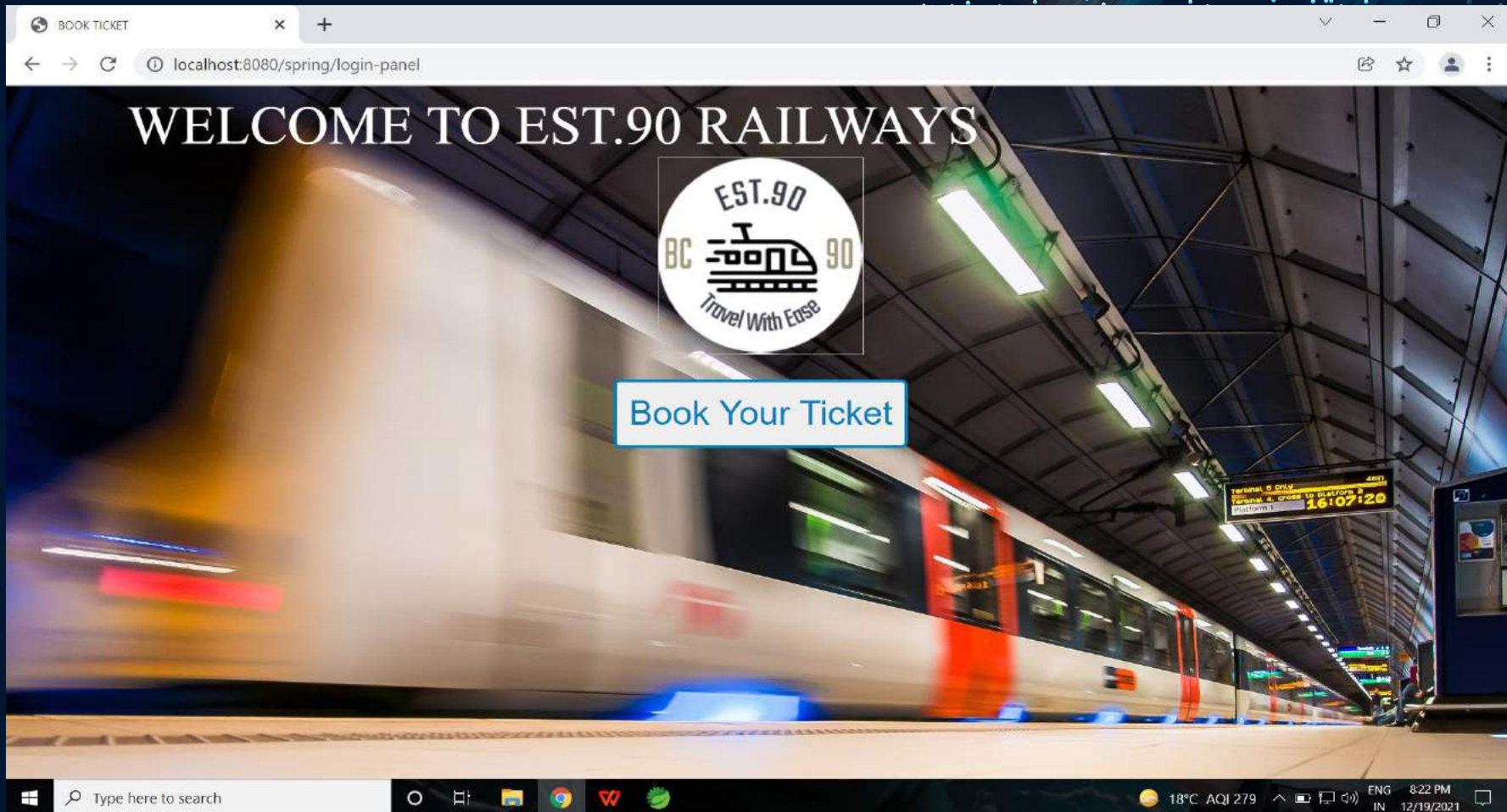
User Password  City

Gender ☐ Male ☐ Female ☐ Other

[Register Now](#)

Type here to search

19°C Clear 7:58 AM 12/23/2021





# Train Details

Train Details

Train Number	Train Name	Source	Destination	Ticket Price	Confirm Booking
1001	Shatabdi Express	Bangalore	Delhi	2500.0	<a href="#">Book</a>
1002	Shatabdi Express	Delhi	Bangalore	2500.0	<a href="#">Book</a>
1003	Udyan Express	Bangalore	Mumbai	1500.0	<a href="#">Book</a>
1004	Udyan Express	Mumbai	Bangalore	1500.0	<a href="#">Book</a>
1005	Brindavan Express	Bangalore	Chennai	1000.0	<a href="#">Book</a>
1006	Brindavan Express	Chennai	Bangalore	1000.0	<a href="#">Book</a>

[Home](#)

Train Details

localhost:8080/spring/select?


18°C Haze 8:22 PM 12/19/2021

# Passenger Details

Passenger Details

localhost:8080/spring/find?trainNo=1001

## Enter Your Details

Enter the Train Number	<input type="text" value="1001"/>
Enter the Travel Date	<input type="text" value="mm/dd/yyyy"/> 
Name	<input type="text"/>
Age	<input type="text"/>
Enter Gender	<input type="text"/>

submit

Type here to search

18°C Haze 8:22 PM 12/19/2021



# Book

Ticket Details

localhost:8080/spring/take?trainNo=1001&date=2021-12-23&name=Krishna&age=12&gender=M

Train no:	1001
Train name:	Shatabdi
Source:	Bangalore
Destination:	Delhi
PNR:	BD_20211223_100
Name:	Krishna
Age:	12
Gender:	M
Amount:	1250.0
Travel Date:	2021-12-23

[Payment](#)

[Book](#)

Windows Taskbar: Type here to search, 20°C Haze, 10:07 PM 12/22/2021

# Payment Getway

Payment

localhost:8080/spring/payment

## PAYMENT DETAILS

Card Holder Name

Card Number

Expiration Date: Month

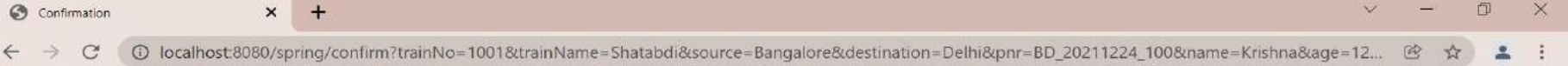
Year

CVV

[Go Back](#)

30°C Sunny 3:30 AM 12/23/2021

# Confirmation



## Successfully Booked

PNR	:	BD_20211224_100
Train No	:	1001
Train Name	:	Shatabdi
From	:	Bangalore
To	:	Delhi
Travel Date	:	2021-12-24

## Passengers

Name	Age	Gender	Fare
Krishna	12	M	1250.0

Total Fare : Rs:1250.0

Print Ticket

Thank you !!![HOME](#)



The background features a dark blue gradient with several wavy, translucent teal lines that flow across the frame. A bright, horizontal orange and yellow glow is positioned in the upper-middle section, creating a sense of depth and light. The overall aesthetic is modern and digital.

THANK YOU

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