

# WIPRO NGA Program – EP-JAVA Batch

24NAG0970

Capstone Project Presentation – 11 July 2024

Project title - Fast-X Bus Ticket Booking.

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# Overview :

The Online Bus Ticket Booking System is a web-based application that allows users to search for bus routes, view schedules, book tickets, and make payments online. It connects passengers with bus operators, simplifying the process of reserving bus seats, planning journeys, and managing bookings

Scope -

1. User Registration and Authentication: Provide user registration and secure login for passengers.
2. Bus Route Search: Enable users to search for bus routes based on origin, destination, and date.
3. Route Details and Booking: Display detailed route information, seat availability, and ticket prices. Allow users to select seats, make reservations.
4. Ticket Confirmation: Send booking confirmations with e-tickets to users.
5. User Profiles: Enable users to manage their profiles, view booking history, and cancel bookings.
6. Admin Dashboard: Offer bus operators/admins a dashboard to manage schedules, bus availability, and bookings.

# Technologies Used :

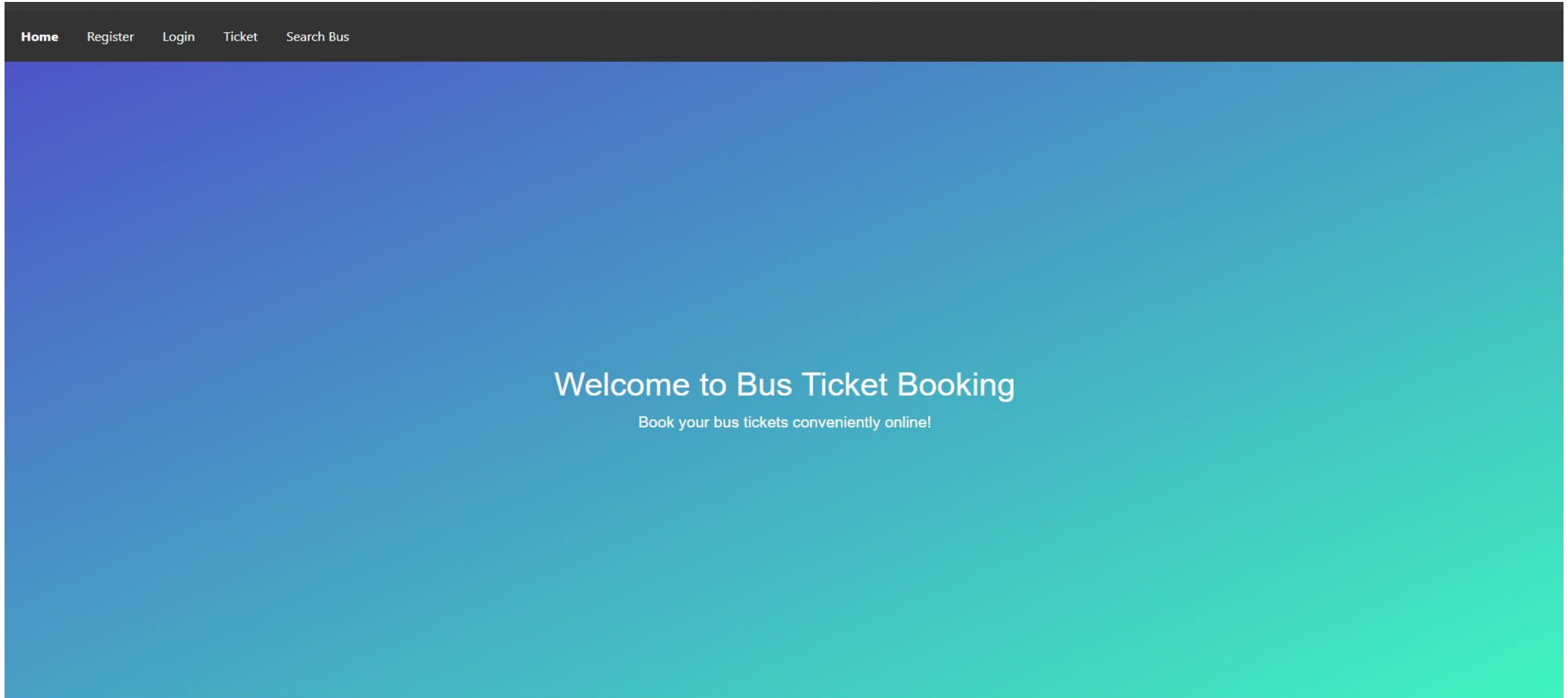
**Front-End :**      **Angular CLI** - The Angular CLI is a command-line interface tool that you use to initialize, develop, scaffold, and maintain Angular applications directly from a command shell.

**Back-End :**      **Java, Spring-Boot** - Spring Boot is a project that is built on the top of the Spring Framework. It provides an easier and faster way to set up, configure, and run both simple and web-based applications.

**Authentication :** **JWT** - JSON Web Tokens (JWT) are compact, URL-safe tokens used for securely transmitting information between parties as a JSON object. They are commonly used for authentication and information exchange

**DataBase :**      **MySQL** - MySQL is an open-source, Relational Database Management System that stores data in a structured format using rows and columns.

# Home Page :



# Admin SignUp Page :

Admin SignUp

Name:

Email:

Password:

Register

# User SignUp Page :

User SignUp

Name:

Email:

Password:

Phone Number:

Address:

Register

# Login User Page :

[Home](#) [Register](#) [Login](#) [Ticket](#) [Search Bus](#)

User Login

Email

Password

Login

# Login Bus-Operator Page :

[Home](#) [Register](#) [Login](#) [Ticket](#) [Search Bus](#)

Bus Operator Login

Email:

Password:

Login

# Book-Ticket Page :

HomeRegisterLoginTicketSearch Bus

Book Ticket

User ID

0

Schedule ID

0

Seat Numbers

Booking Date

dd-mm-yyyy

Total Fare

Status

Submit

# Schedule-Bus Page :

HomeRegisterLoginTicketSearch Bus

Schedule Bus

Bus Name:

Enter Bus Name

Bus Number:

Enter Bus Number

Bus Type:

Enter Bus Type

Number of Seats:

Enter Number of Seats

Origin:

Enter Origin

Destination:

Enter Destination

Timings:

Enter Timings

Fare:

Enter Fare

Submit

# Search-Bus Page :

[Home](#) [Register](#) [Login](#) [Ticket](#) [Search Bus](#)

Search Bus

Origin:

Destination:

Search Buses



# Thank You