



FAST X

BUS TICKET BOOKING

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The background image shows the interior of a bus. In the foreground, there are yellow patterned seats. A person is sitting in the seat next to the viewer, wearing a blue shirt. Another person is visible further back, wearing a black shirt and a yellow cap. The bus has red handrails and yellow straps. The window on the right shows a street scene with trees and a road.

PROBLEM STATEMENT: The online BUS TICKET BOOKING SYSTEM is a web based application that allows user to search for bus routes and book tickets online. It connects passengers with bus operators, simplifying the process of, planning journeys, and managing bookings.:

Technologies Used:

- Frontend: Angular .
- Backend: Java, Spring Boot.
- Database: MySQL.
- Authentication: JSON Web Tokens (JWT) for secure user authentication.

Roles/Actors:

- Administrator
- Bus Operator
- User
- System

What an Admin can do?

- Log In
- Add Buses
- Manage Users
- Manage Bus Operators
- Manage All Admin Profiles
- Logout

What Bus Operators can do?

- Sign Up as Bus Operator
- Log In as Bus Operator
- Manage Bus Routes
- Can fetch/delete Bus Details
- Logout

What User can do?

- User Registration
- User Login.
- Search Bus by Routes
- Book Bus
- Booking Details

What System will do?

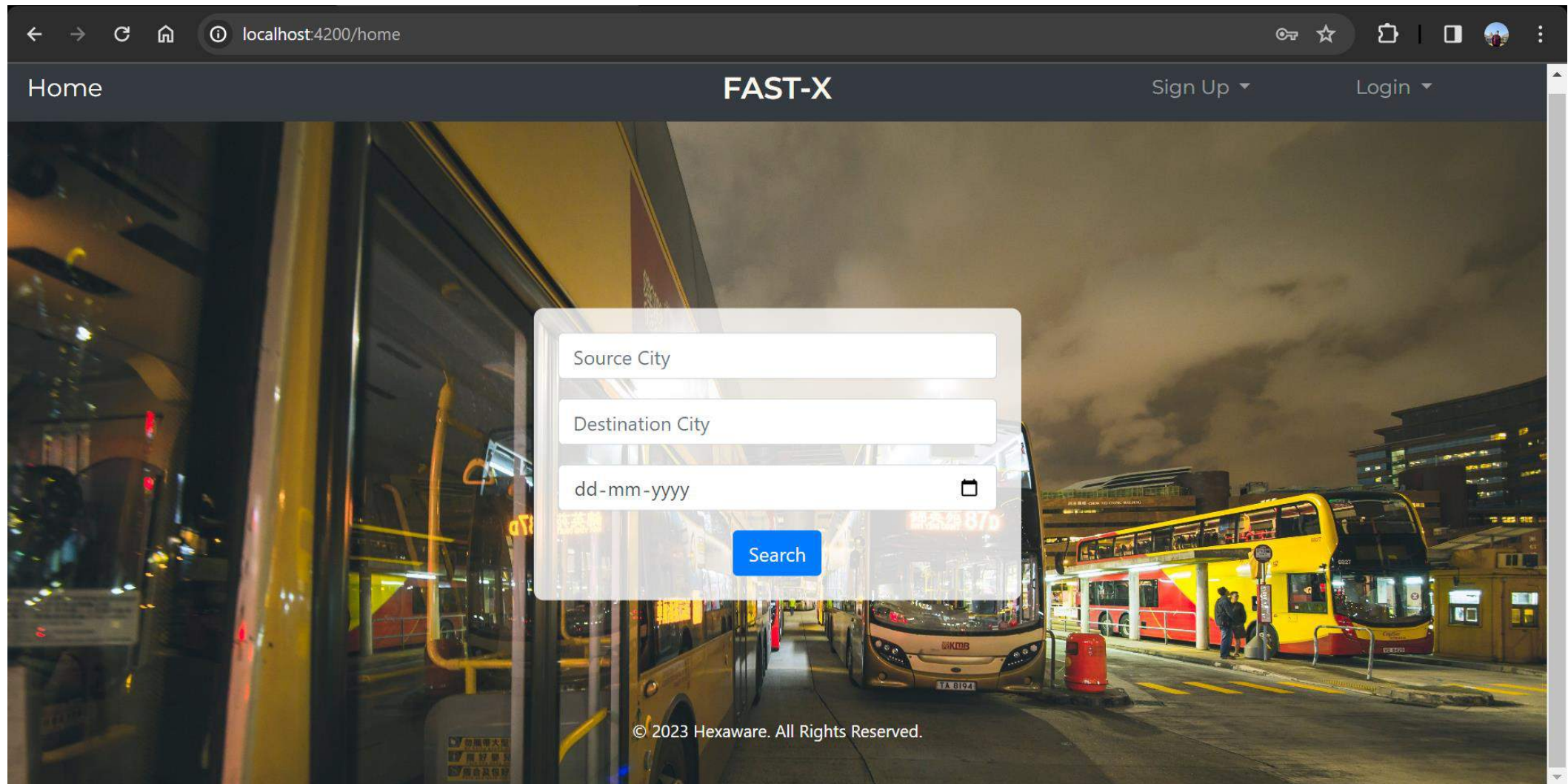
- Authenticate User
- Store Bus routes .
- Store Booking Information.
- Store User and Bus Operator Information.

Flow of Application:

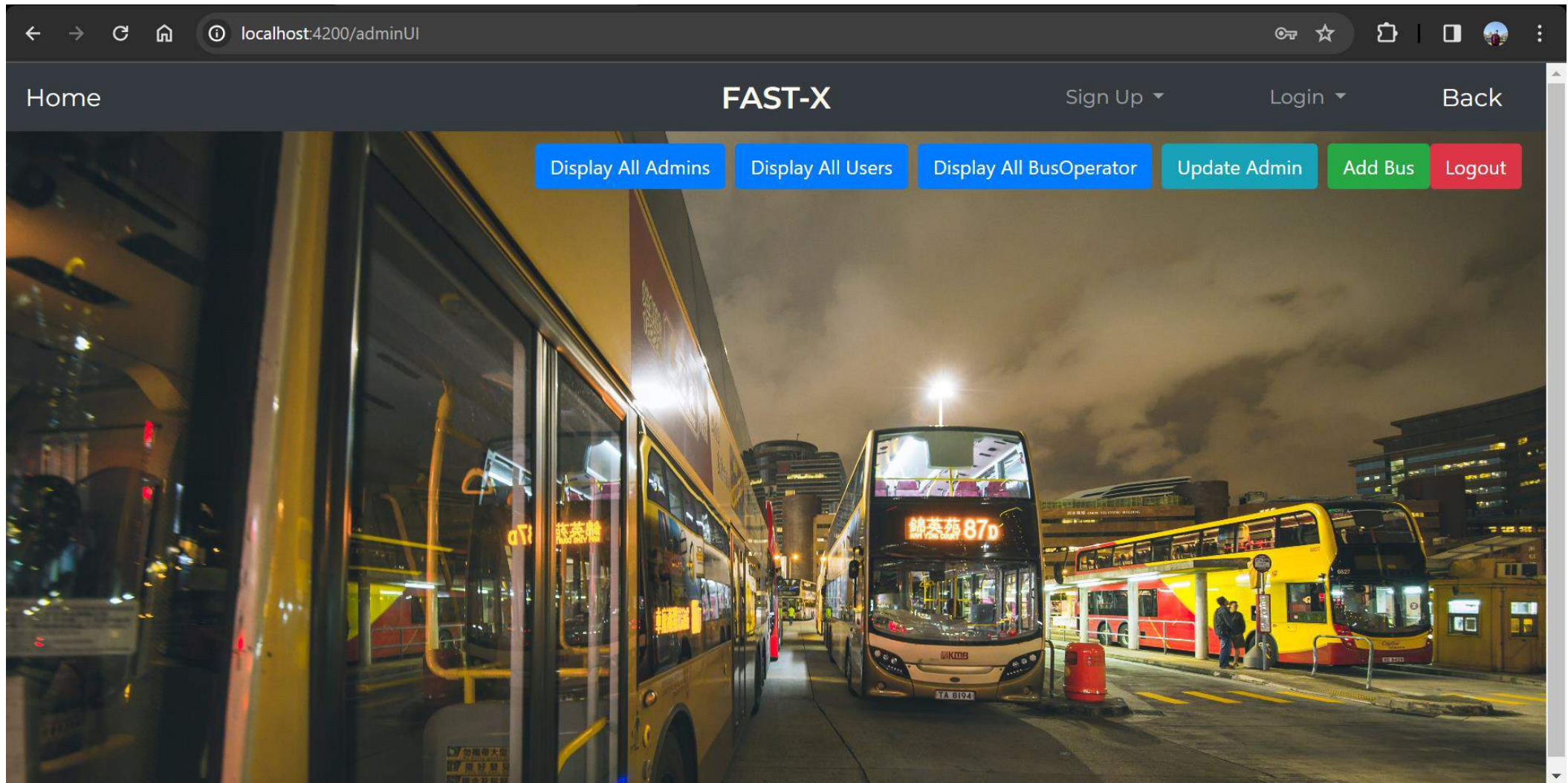
- Firstly, opening the application will redirect you to the home page.
- In home page you will get an option to Search Bus by routes.
- Also you will get an option to sign up and sign in as Admin, Bus Operator and Passenger.

Flow of Application:

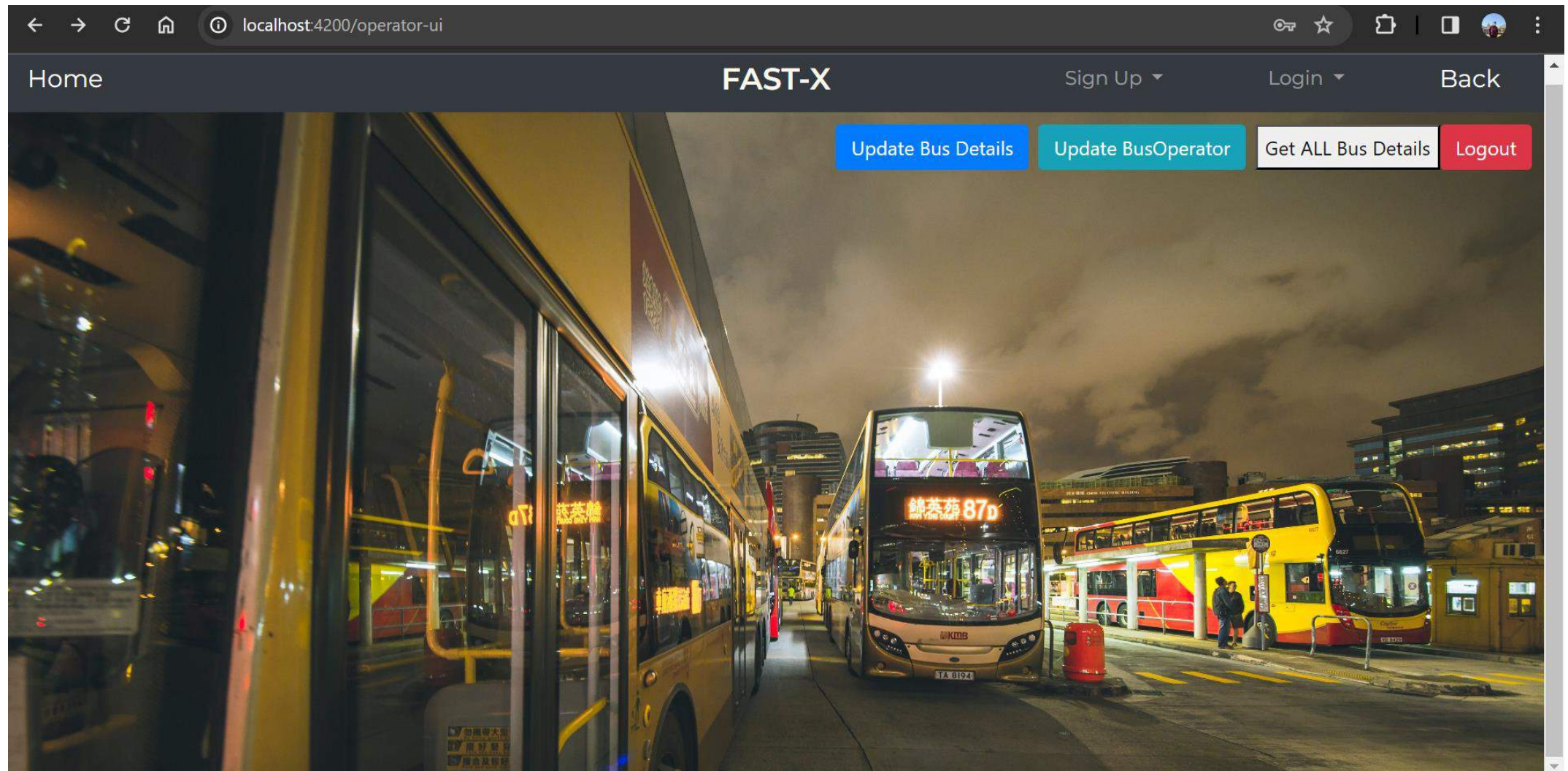
- After signing in as an Admin, you will have rights to Add Bus, Customize Admin, Customize Bus-Operators, View Users and Logout.
- After Signing Up and Signing In as Bus Operator you can manage Bus Routes, Update Bus Operator and Logout.
- After Signing Up and Signing In as Passenger you can Search Bus by Routes and also you can update details, Book Bus and Logout.



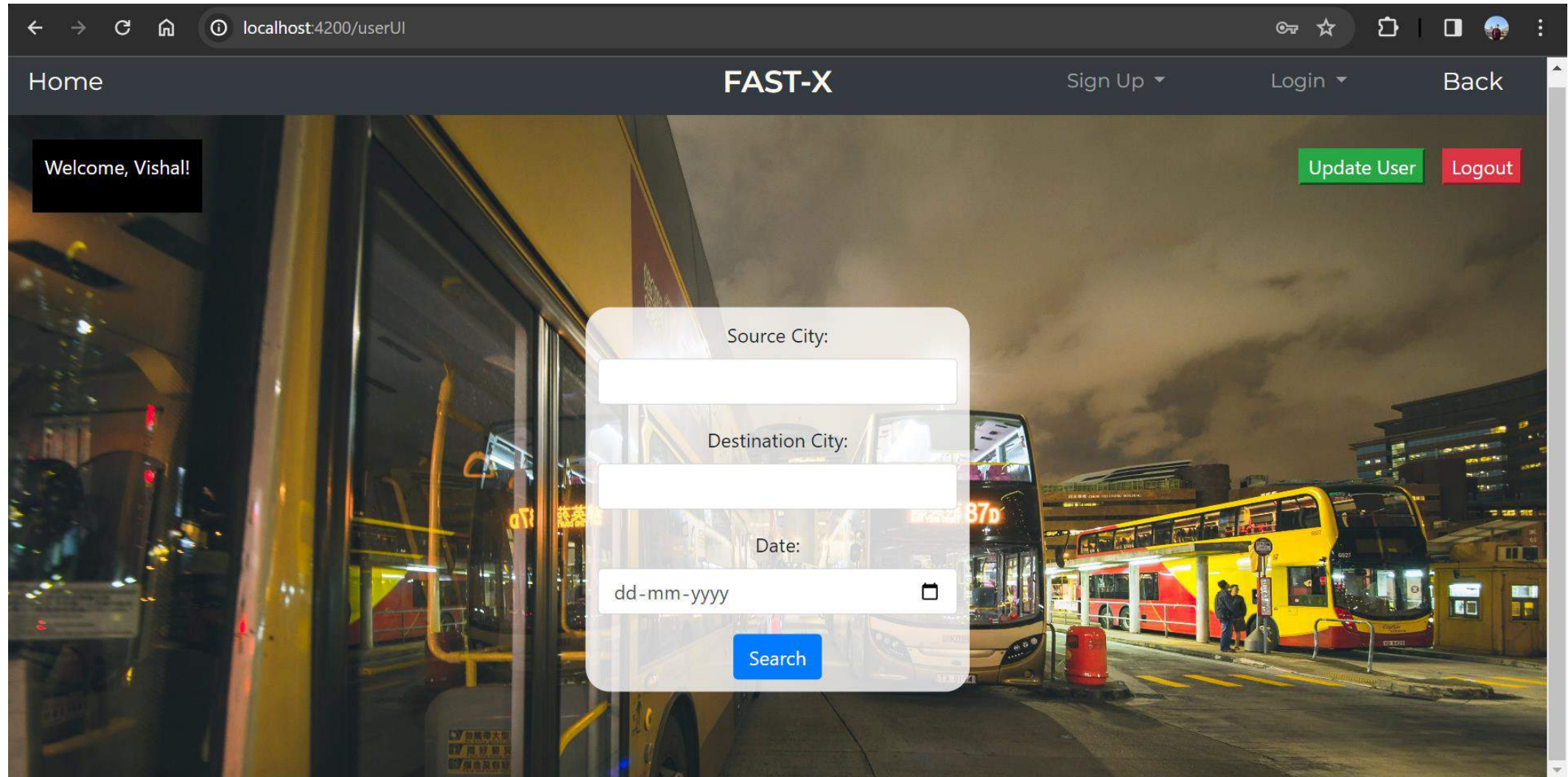
Home Page



Admin's Profile



Bus Operator's Profile



Passenger's Profile