JAVA FULL STACK DEVELOPMENT PHASE 3 PROJECT Screenshots

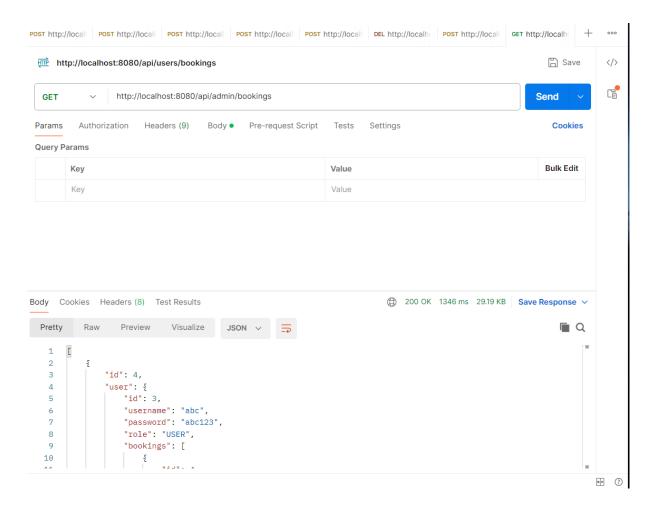
Project Name: Travel Booking Cab

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GetMapping:

Booking:

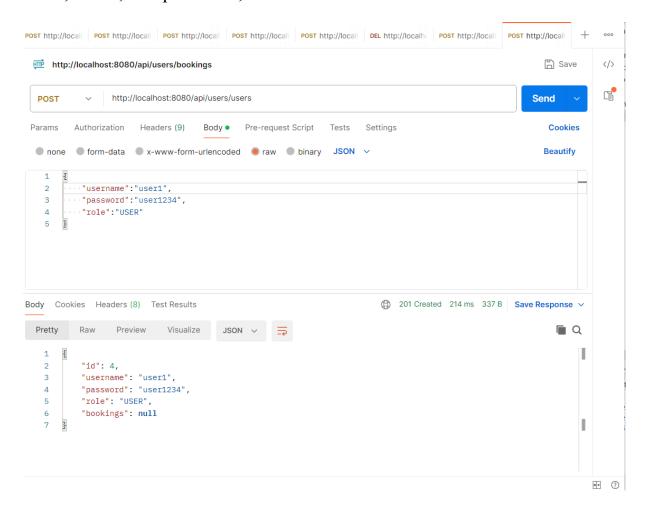
This endpoint retrieves all booking records, displaying user information, cab details, and travel dates. Ideal for both users and admins to review travel data.

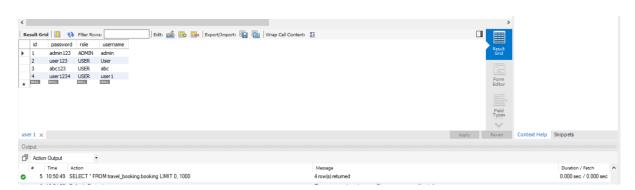


PostMapping:

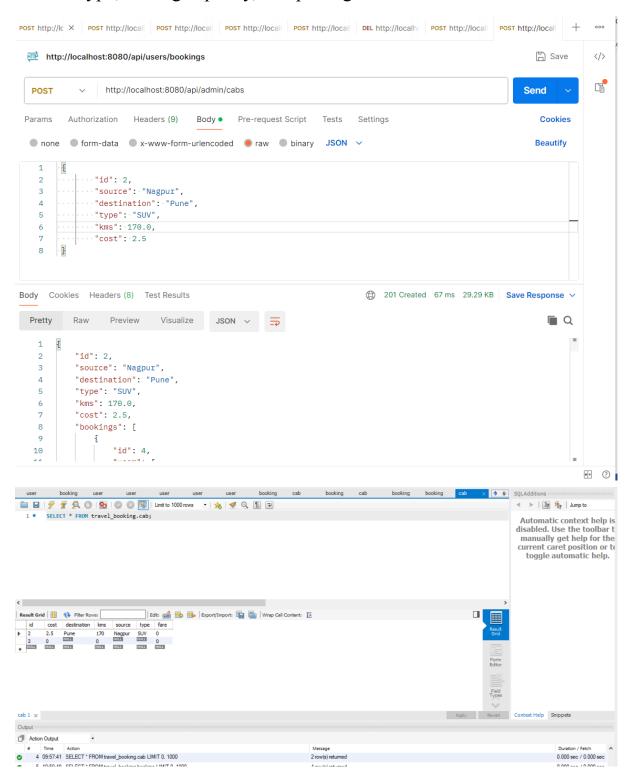
Users:

Facilitates user registration by securely submitting user data, such as name, email, and password, to the backend for account creation.



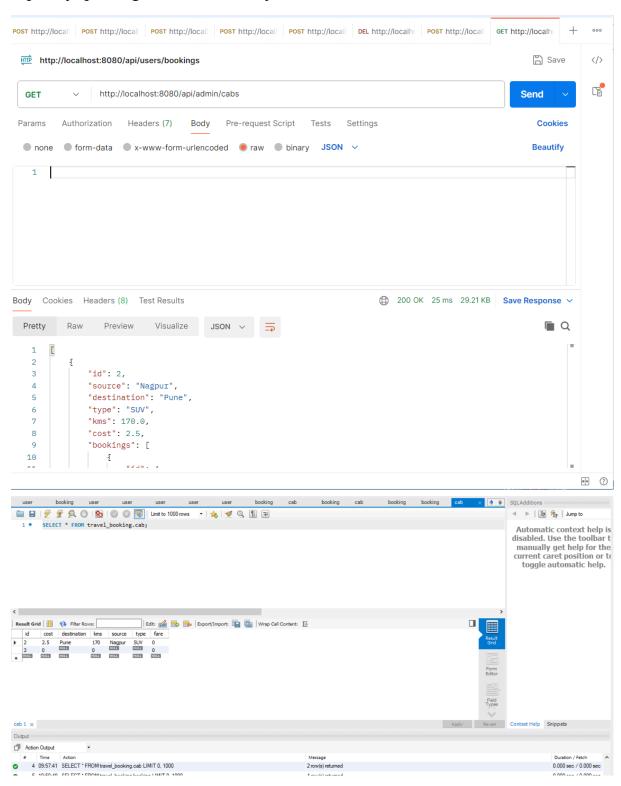


Cabs: Admins can add new cabs to the system, providing essential details like cab type, seating capacity, and pricing.



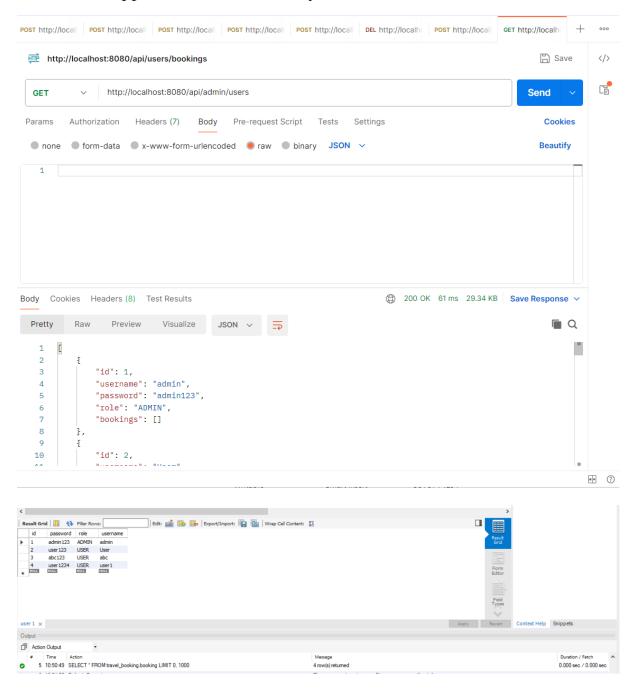
GetMapping:

Cabs: Fetches a complete list of cabs, including their attributes like capacity, pricing, and availability, for users to make informed decisions.



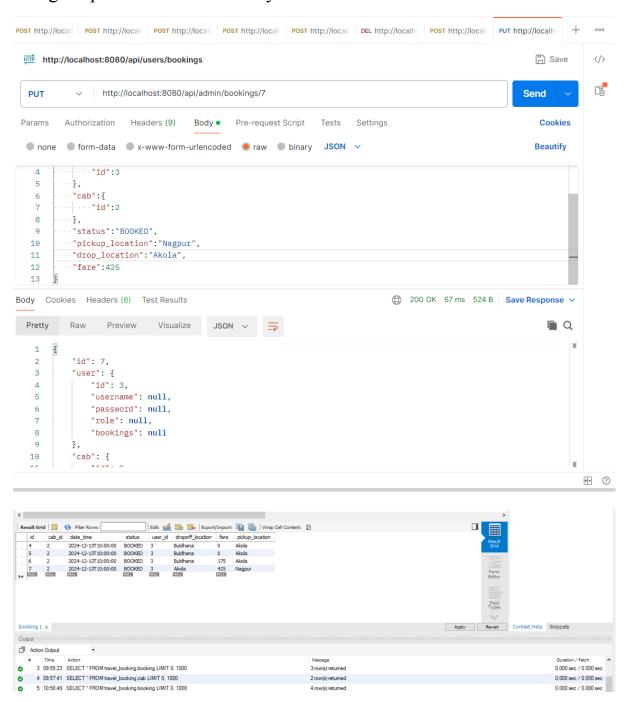
GetMapping:

Users: Admins can access the entire list of registered users, helping them monitor the application's user activity and database health

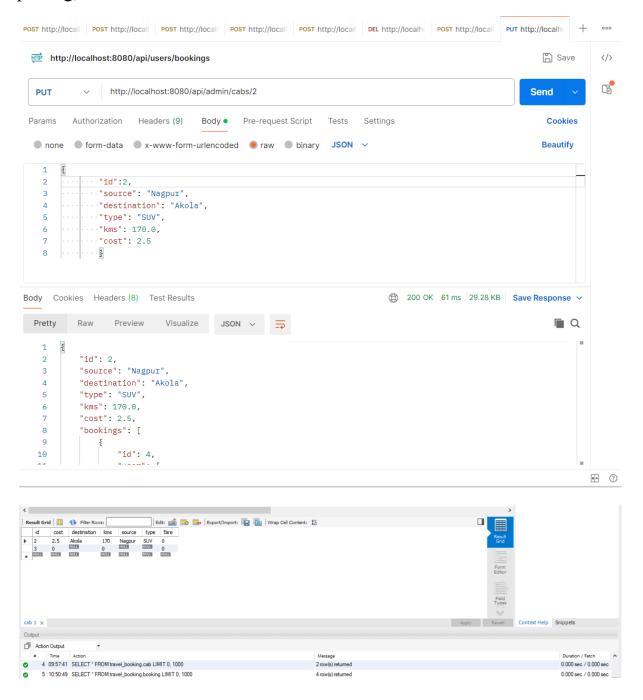


Put Mapping:

Bookings: Enables updates to existing bookings, allowing users to change trip details or resolve any errors.

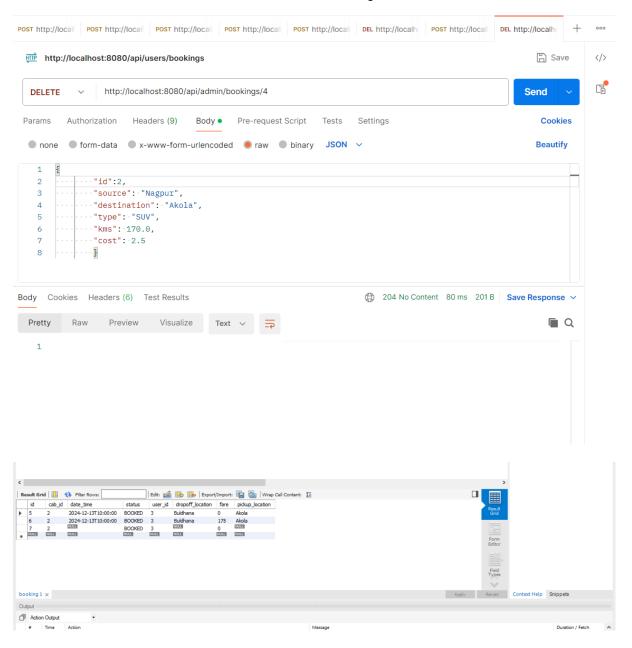


Cabs: Allows admins to modify cab records for changes in availability, pricing, or maintenance schedules.



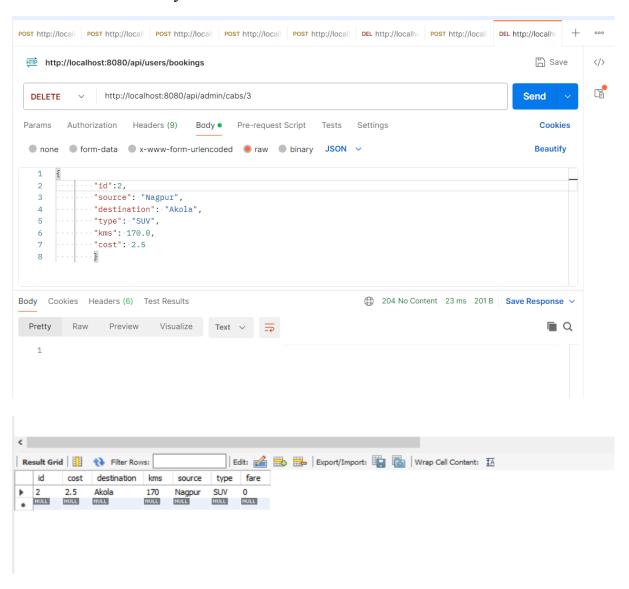
DeleteMapping:

Bookings:Removes selected booking records from the database, either due to cancellations or administrative cleanup.



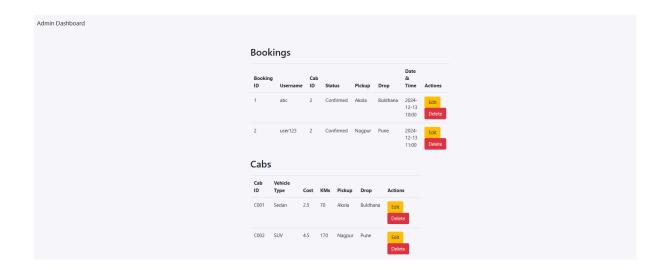
DeleteMappings:

Cabs: Deletes cab entries that are no longer in service, ensuring the database reflects only active resources.

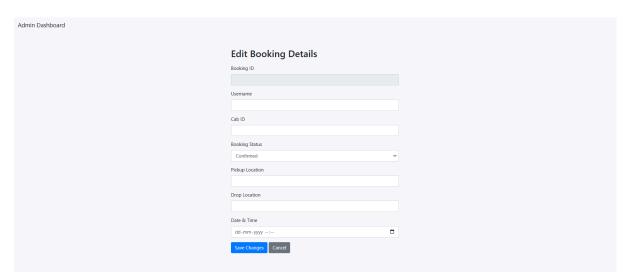


Frontend

Admin Dashboard:A centralized control panel for administrators to manage the app's resources, including users, bookings, and cab details. It provides options to create, update, delete, or retrieve information quickly.

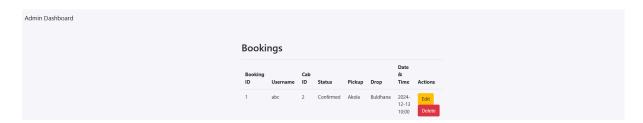


Edit Booking:Provides users and admins with the flexibility to modify the details of an existing booking, such as changing dates, destinations, or selected cabs.

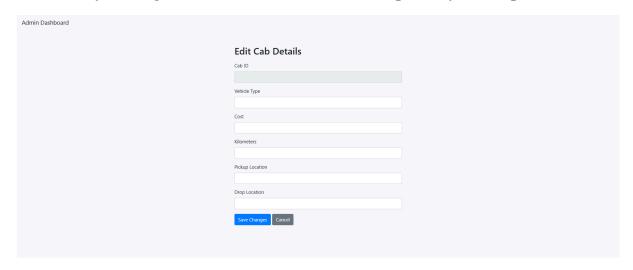


Delete Bookings

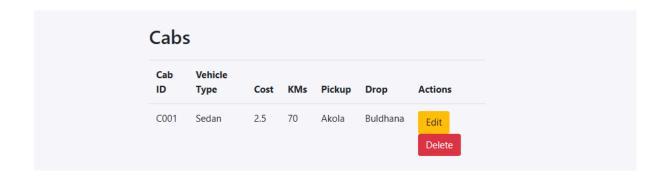
A straightforward option to delete old or invalid bookings, helping maintain the application's database integrity.



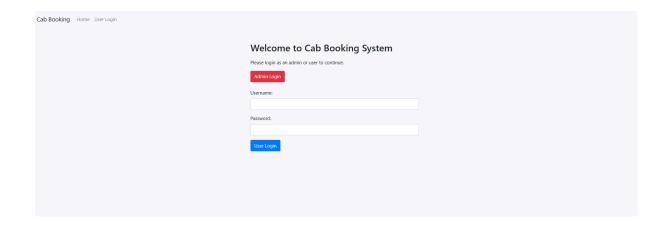
Edit Cab: Admins can update cab details such as pricing, capacity, and availability through an intuitive interface to keep the system up-to-date.



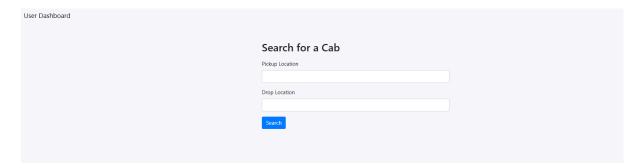
Delete Cabs: Discontinued or inactive cabs can be removed from the database to streamline operations and improve user experience.



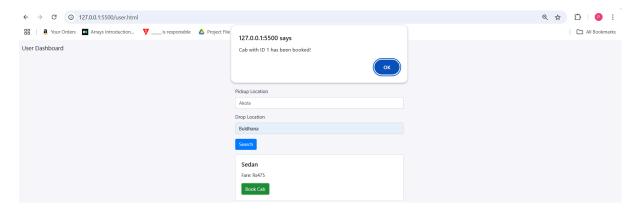
Login Page: This secure login interface allows users and administrators to enter their credentials and access their respective dashboards. Users are directed to their booking dashboard, while admins can manage the entire portal.



User Dashboard to book Cab: Designed with simplicity in mind, this dashboard allows customers to search for available cabs and book them for their desired travel dates and locations.



Cab Booking: A dedicated section that enables users to input trip details, view available options, and confirm their bookings with ease.



BookingService Junit:Comprehensive test cases ensure that all booking operations, including creation, updates, and deletions, function as expected without errors.

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Problems Servers Ferminal Properties Console X Progress

<terminated> BookingServiceTest [JUnit] |Library/Java/JavaVirtualMachines/jdk-17.jdk/Contents/Home/bin/java (Dec 15, 2024, 11:22:44 AM - 11:22:46 AM) [pid: 37753]

Java HotSpot(TM) 64-Bit Server VM warning: Sharing is only supported for boot loader classes because bootstrap classpath has been appen

Cab Cost: 10.0

Cab Kms: 15.0

Calculated Fare: 150.0

Cab Booked Successfully
```

CabService Junit: Verifies the functionality of cab management, such as adding, editing, and deleting cab details. This ensures the accuracy and reliability of cab-related features.

UserService Junit:

Focuses on testing user operations, including account registration, updates, and login functionality, to provide a seamless user experience.

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Reproblems ★ Servers Freminal Properties

Console X Progress

Cterminated> UserServiceTest [JUnit] /Library/Java/JavaVirtualMachines/jdk-17.jdk/Contents/Home/bin/java (Dec 15, 2024, 11:34:44 AM − 11:34:46 AM) [pid: 42889]

Java HotSpot(TM) 64-Bit Server VM warning: Sharing is only supported for boot loader classes because bootstrap classpath has been appendent test case completed.

Test case completed.

Test case completed.

Writable Smart Insert 75:2:2235 

Writable Smart Insert 75:2:2235
```

AdminService Junit:

Ensures that admin-specific actions, such as managing users, cabs, and bookings, are error-free and align with the system's requirements.

Flow Chart of the project:

