

RidersHub Application

Project team

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Abstract

The Rider's Hub is a Single Page Application (SPA) to collaborate with like-minded people interested in travelling together.

Developer

JAVA Full Stack Developer

Business Requirements

The Rider's Hub Application helps you find your travel buddies. Users can decide who is interested to travel with them, where and for how long they would like to travel. Below are the features of this application:

1. Default home page

- Includes images of various two-wheelers and events.
- Users can view this default home page without getting logged in.
- Includes feedback provided by riders (hard code)
- Includes login and registration buttons.
- Includes “About Us” and “Contact Us” sections

2. Registration

- Registers user with following details:
 - Name*
 - Phone Number*
 - Gender
 - Email*
 - Password*
 - Address*
 - Vehicle type (Scooters, Bikes, and Cycles)
 - Vehicle Number*
 - Vehicle model*

3. Login

- Rider login
 - Riders can login with valid email and password that have been registered.
- Admin login
 - Admin can login based on fixed credentials (admin@mail.in, admin@1234)

4. Home for Rider

- Includes following options:
 - Create a ride
 - Join a ride (all users)
 - View enrolled rides (Includes option to cancel enrolled ride)
 - Purchase products related to travel
 - Sign out button
- Includes various vehicles and events images.

5. Create ride

- Logged in user can create a ride with following details:
 - Creator* (Name of logged in user is fetched automatically)
 - rideTitle*
 - description*

- source*
- destination*
- startDate* (Start date cannot be previous date of today's date)
- endDate* (End date cannot be previous date of start date)
- Maximum number of co-riders* (Minimum 2)
- Number of co-riders
- Co-riders list

6. Join ride

- A list of all the rides created by all riders will be displayed here.
- Logged in users can also view the ride details of the ride they wish to join(i.e. start date, end date, from(source), to(destination)).
- Logged in users can join any ride by clicking on the JOIN button.
- Rider cannot join his own ride.
- Rider cannot join an already joined ride.
- If no rides are available to join, then a relevant message will be displayed.

7. Enrolled rides

- All the rides in which the current user has been enrolled in will be displayed here.
- Every ride will also have an option to cancel the ride.

8. Purchase

- Users can view the products list.
- Users can purchase vehicle accessories required for the ride here.
- All the items that have been added in the DB by admin will be displayed here.
- Users can click on the buy button to purchase items.

9. Admin

- View all the rides' details
- View all riders' details
- View all items' details
- Add, update & delete items from database

Technical Specifications

Front End Layer

Framework(s)/SDK/Libraries	Version
Angular	10 or above
Bootstrap	4.0 or above
CSS	3
HTML	5
JavaScript	ES2015

Middle Tier Layer

Framework(s)/SDK/Libraries	Version
SpringBoot	2.4.3

Database & Integration Layer

Framework(s)/SDK/Libraries	Version
MySQL	5.x

Ancillary Layer

Technology	Framework(s)/SDK/Libraries	Version
Source Code Management Tool	GIT	2.30.1
Dependency Management Tool	NPM	6.x
Testing Tool	Jasmine	3.x

Deployment & Infrastructure

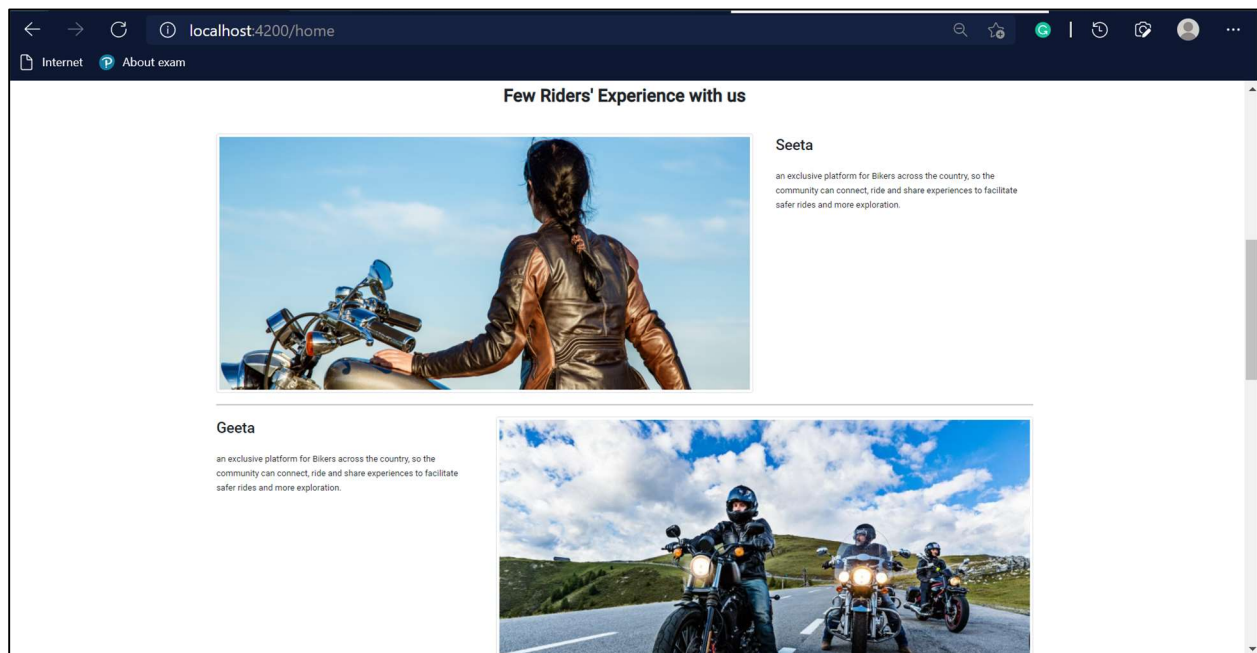
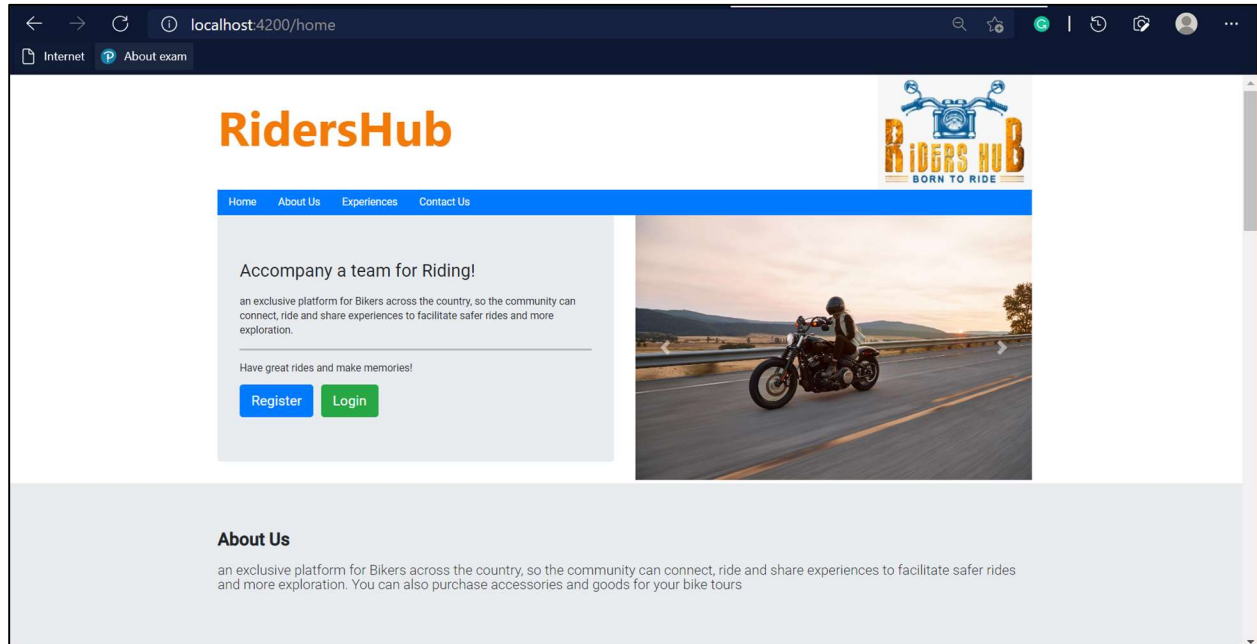
Technology	Framework(s)/SDK/Libraries	Version
Dependency Management Tool	NPM	6.x
Tomcat server	-	8.5

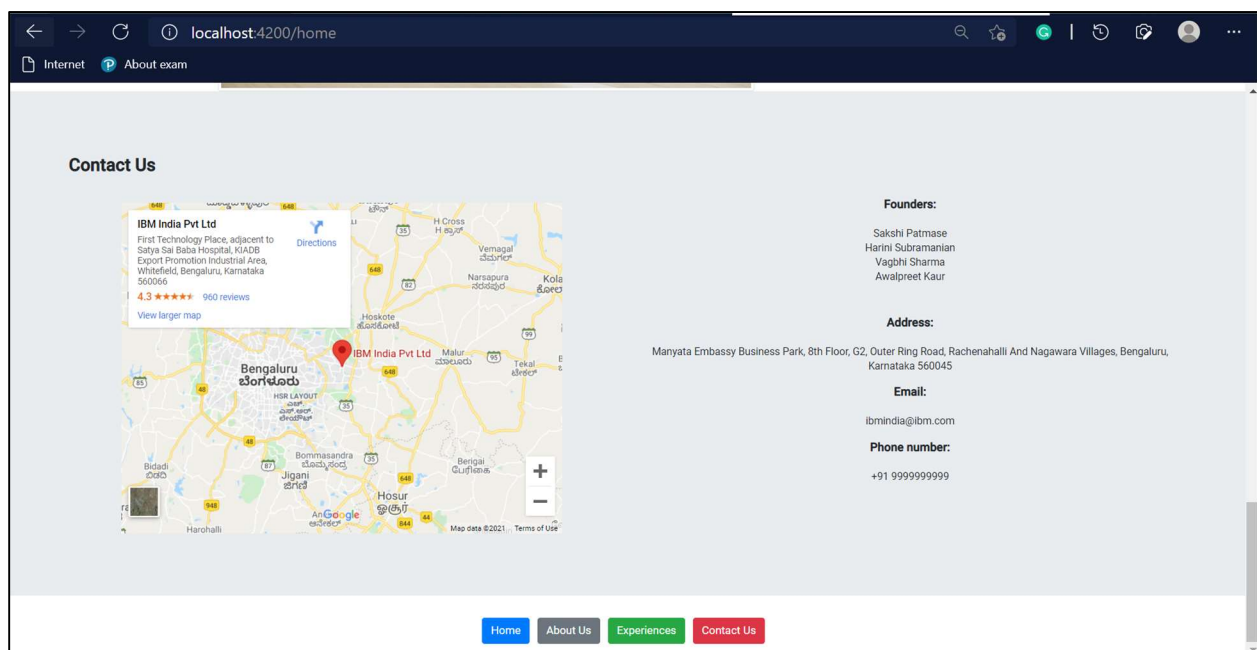
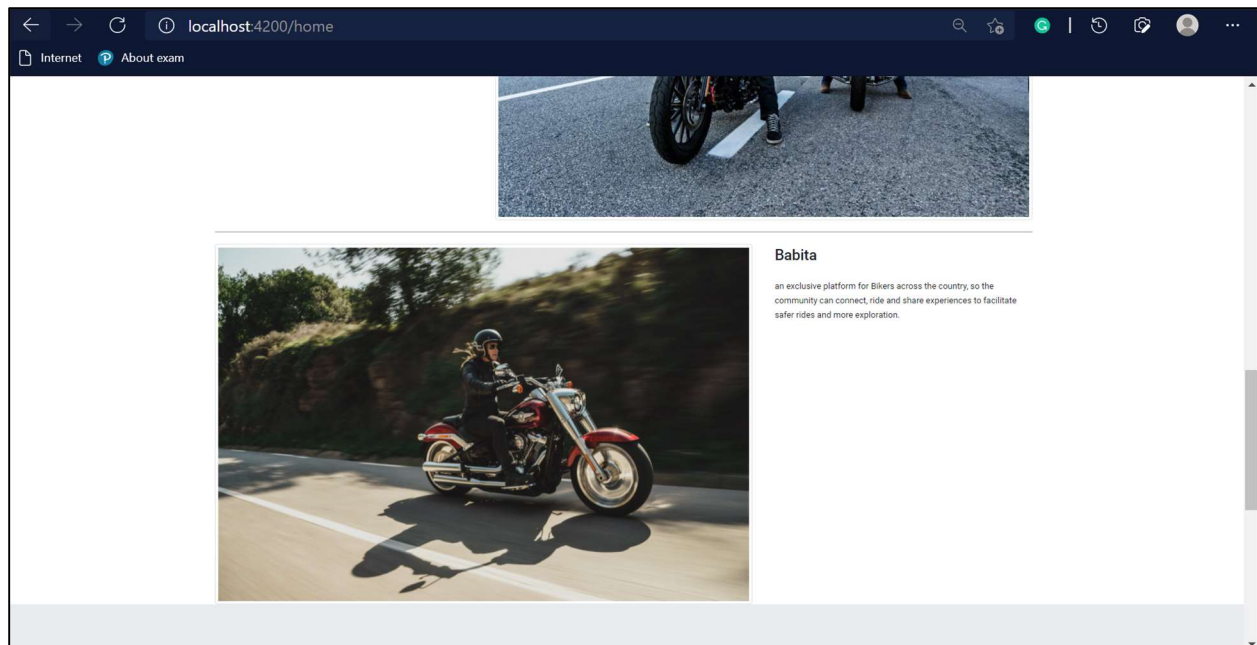
Editors

Name	Version
Visual Studio Code	1.55.0
Eclipse	2019-09 R (4.13.0)

Wireframes

1. **Home page before login:** This is the home page visible to riders before login.





2. Registration page: This is the registration page for riders.

localhost:4200/registration

Internet About exam

Be the member of RidersHub!

Step 1: Fill Personal Information Step 2: Fill Vehicle Information

Personal Information

Name Phone Number

Gender
☐ Male
☐ Female

Email Password

Address

Vehicle Information

Vehicle type: ☐ Scooty ☐ Bike

Vehicle number

Vehicle model

Already Registered? [Login here](#)
[Go back to Home](#)

3. Login page: Login page for admin and rider

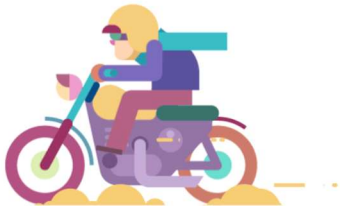
localhost:4200/login

Internet About exam

LOGIN TO CONTINUE

Email

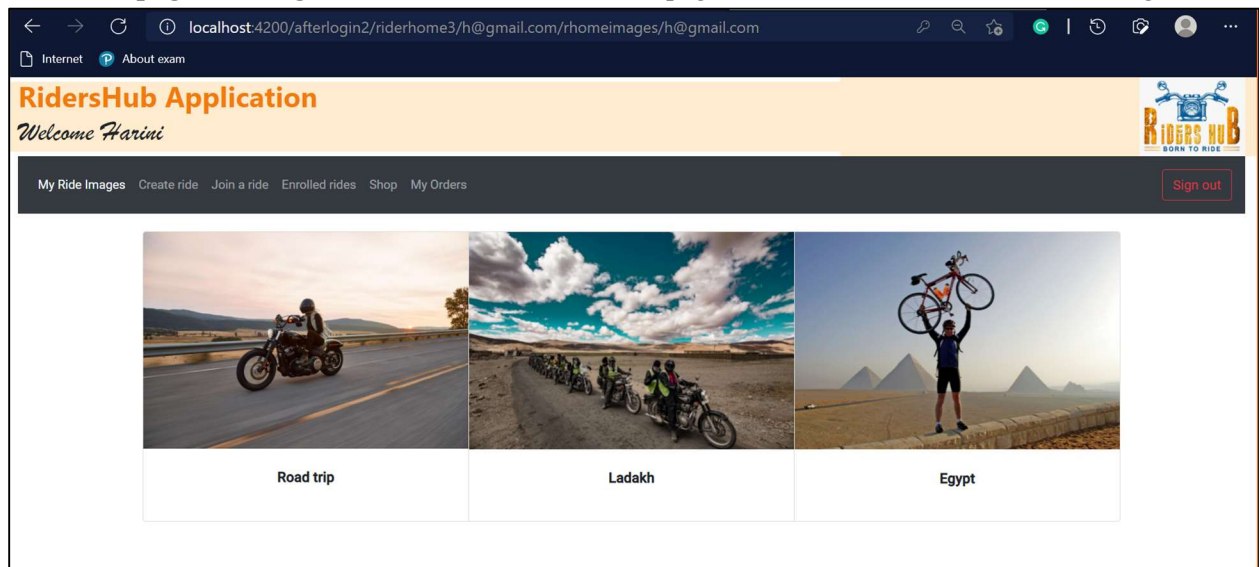
Password



New to RidersHub? [Register here](#)

Go back to [Home](#)

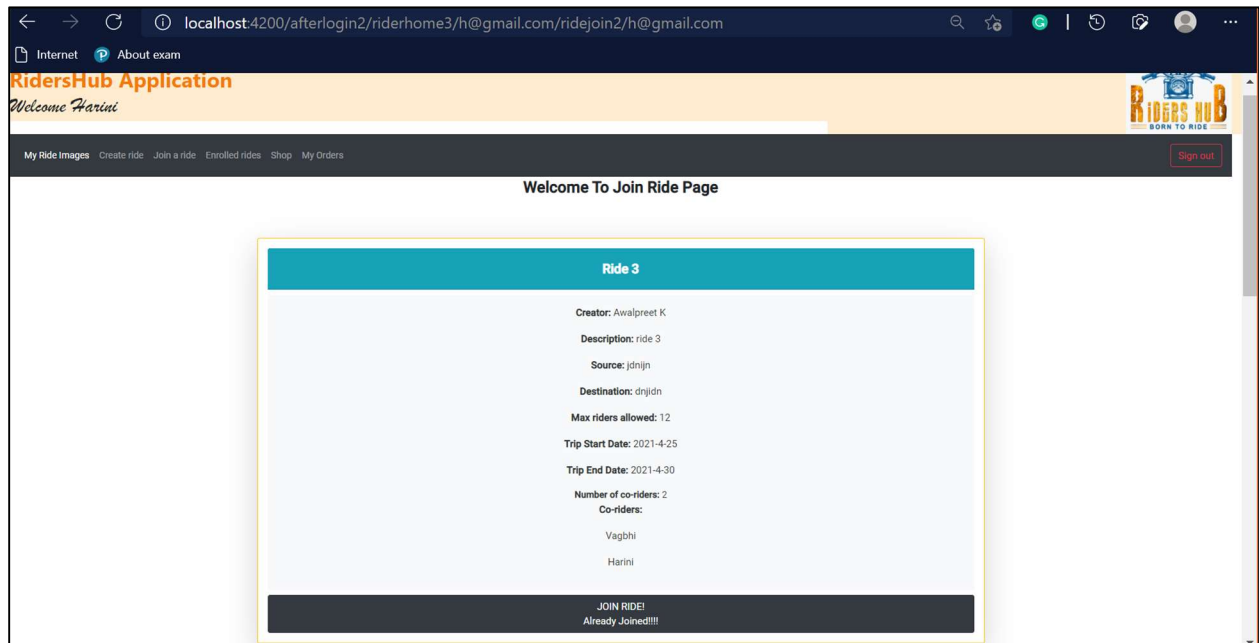
4. **Home page after login for rider:** This is the home page that will be visible to riders after login



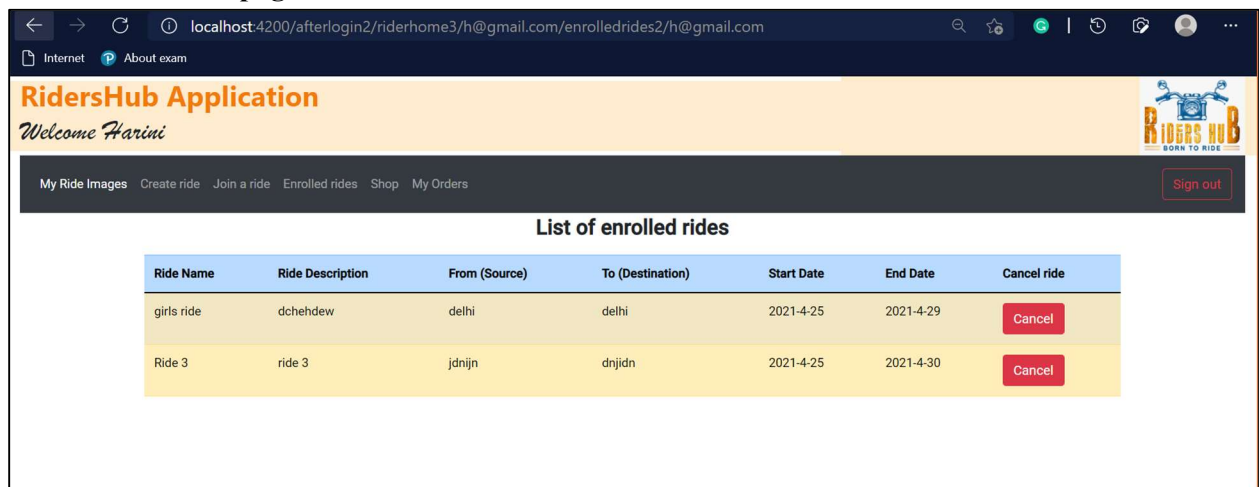
5. **Create ride page:** Page that enables users to create rides and invite other riders.

The screenshot shows the 'CREATE NEW RIDE' page in the RidersHub Application. The browser address bar displays the URL: localhost:4200/afterlogin2/riderhome3/h@gmail.com/ridecreate2/h@gmail.com. The page features a navigation bar with links: My Ride Images, Create ride, Join a ride, Enrolled rides, Shop, and My Orders. A 'Sign out' button is located in the top right corner. The main content area is titled 'CREATE NEW RIDE' and contains a form with the following fields: Creator (pre-filled with 'Harini'), Ride Title, Ride Description, Source, Destination, Max number of co-riders allowed, Trip Start date (with a date picker icon), and Trip End Date (with a date picker icon). A green 'Create Ride' button is at the bottom. The form is flanked by a location pin icon on the left and a flag icon on the right.

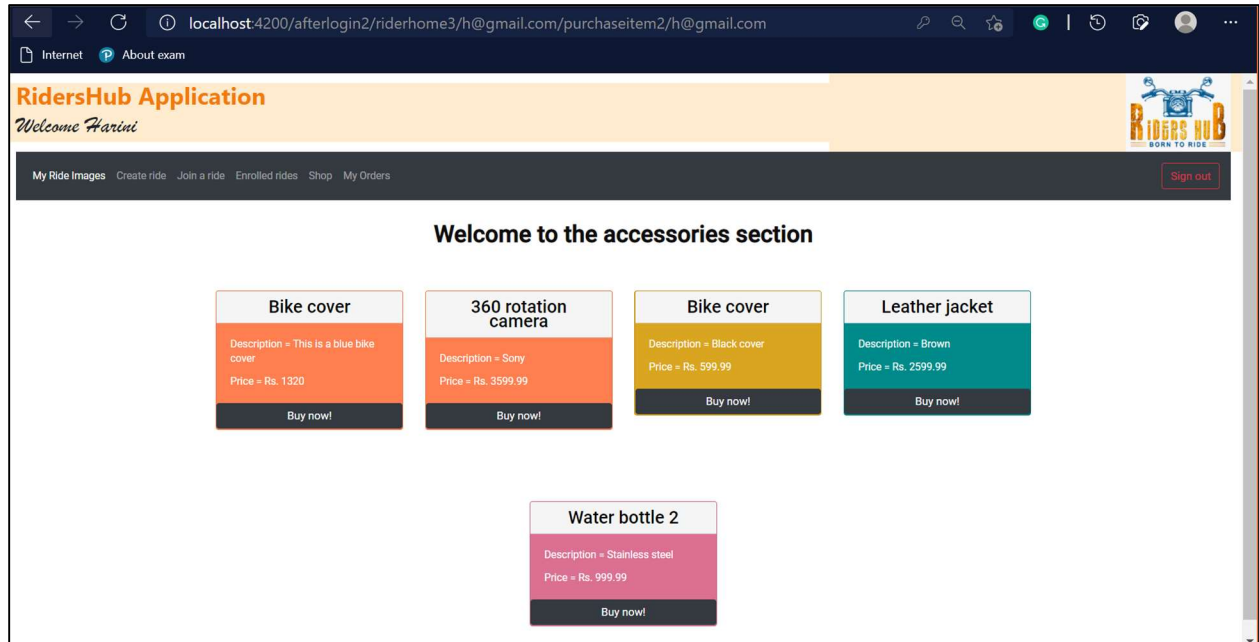
6. **Join ride page:** Page that helps users to join rides according to their comfort.



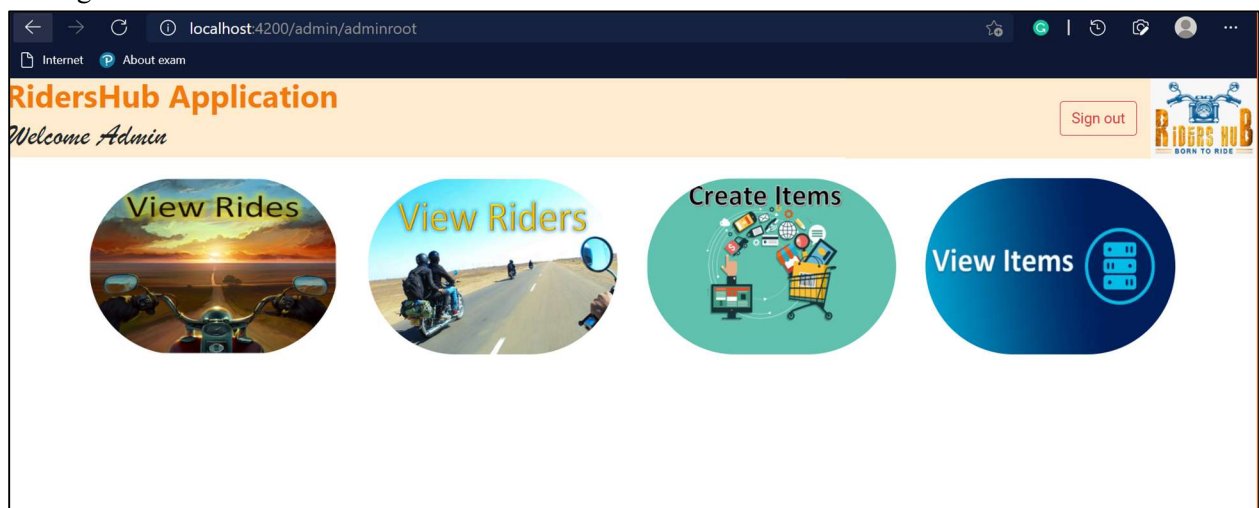
7. **Enrolled rides page:** Views the rides done till date.



8. **Purchase page:** Page that lists all bikes/travel related products/accessories with their pricing.



9. **Home page after login for Admin:** This is the home page that will be visible to admin after login.



10. View rides page for admin

localhost:4200/admin/adminroot/viewrides

RidersHub Application

Welcome Admin

Sign out

RIDERS HUB
BORN TO RIDE

View Rides View Riders Create Items View Items

List of rides

Ride Name	Ride Description	From (Source)	To (Destination)	Start Date	End Date
Ride 3	ride 3	jdijn	dnjdn	2021-4-25	2021-4-30
girls ride	dchehdew	delhi	delhi	2021-4-25	2021-4-29
New ride	New ride	delhi	bangalore	2021-4-28	2021-4-30

11. View riders page for admin

localhost:4200/admin/adminroot/viewriders

RidersHub Application

Welcome Admin

Sign out

RIDERS HUB
BORN TO RIDE

View Rides View Riders Create Items View Items

List of riders

Name	Gender	Phone Number	Email	Address	Vehicle type	Vehicle number	Vehicle model
Awalpreet K	Female	9999999999	a@gmail.com	abc	Scooty	12	sd
Vagbhi	Female	5555555555	v@gmail.com	avc	Scooty	32	de
Sakshi		3333333333	s@gmail.com	dfd		32	fewdew
Harini	Female	3333333333	h@gmail.com	rfe	Scooty	344	fwf
Awalpreet Kaur	Female	9090909090	awalpreet@gmail.com	H.No. 378, Punjab	Scooty	123H 6yd	ncjdcen 87 ydh38&

12. Create items page for admin

localhost:4200/admin/adminroot/createtitem

RidersHub Application

Welcome Admin

Sign out

RIDERS HUB
BORN TO RIDE

View Rides View Riders Create Items View Items

Add item

Item name

Description

Price

Create Item

13. View items page for admin

localhost:4200/admin/adminroot/viewItems

RidersHub Application

Welcome Admin

Sign out

RIDERS HUB
BORN TO RIDE

View Rides View Riders Create Items View Items

List of items

Name	Description	Price	Update	Delete
Bike cover	This is a blue bike cover	1320	Update	Delete
360 rotation camera	Sony	3599.99	Update	Delete
Bike cover	Black cover	599.99	Update	Delete
Leather jacket	Brown	2599.99	Update	Delete

Database Tables

Rider

- ID (Automatic)
- Name
- Phone Number
- Gender
- Email
- Password
- Address
- Vehicle type
- Vehicle number
- Vehicle model
- Enrolled rides list
- Purchased items list

Ride

- ID (Automatic)
- ID
- Name
- Description
- Source
- Destination
- Trip start date
- Trip end date
- Creator
- Enrolled users list

Item

- ID
- Name
- Description
- Price