

Bikers Hub Application

Abstract

The Biker'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 Biker'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. User registration.
2. User login.
1. User:
 - a. Can create/join rides according to their comfort (After login).
 - b. Can view the description of their rides.
 - c. Can buy biker/travel related goods.
 - d. Can pay for their purchased products.
 - e. Can track their order.
 - f. Can cancel rides.
 - g. Can give feedback on the user experience.
2. Admin:
 - a. Can view all the rides/orders made in the application.
 - b. Can decide on the discounts.
 - c. Can add/delete items to the list of all items.

Technical Specifications

Front End Layer

Framework(s)/SDK/Libraries	Version
AngularJS	6.14.11
Bootstrap	4.0 or above

CSS	3
HTML	5
JavaScript	1.8 or above
JQuery	3.x

Middle Tier Layer

Framework(s)/SDK/Libraries	Version
SpringBoot	2.4.3

Database & Integration Layer

Framework(s)/SDK/Libraries	Version
MongoDB	3.0 or above

Ancillary Layer

Technology	Framework(s)/SDK/Libraries	Version
Source Code Management Tool	GIT	2.14.2
Dependency Management Tool	NPM	4.x
Testing Tool	Jasmine	3.x

Deployment & Infrastructure

Technology	Framework(s)/SDK/Libraries	Version
Docker	-	20.10.5
Dependency Management Tool	NPM	6.14.11

Tomcat server		8.5
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Editors

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

Wireframes

Home page before login: This is the home page visible to bikers before login.

Bikers Hub	
Login	Register
Welcome to Bikers Hub	
IMAGES	
Footer	

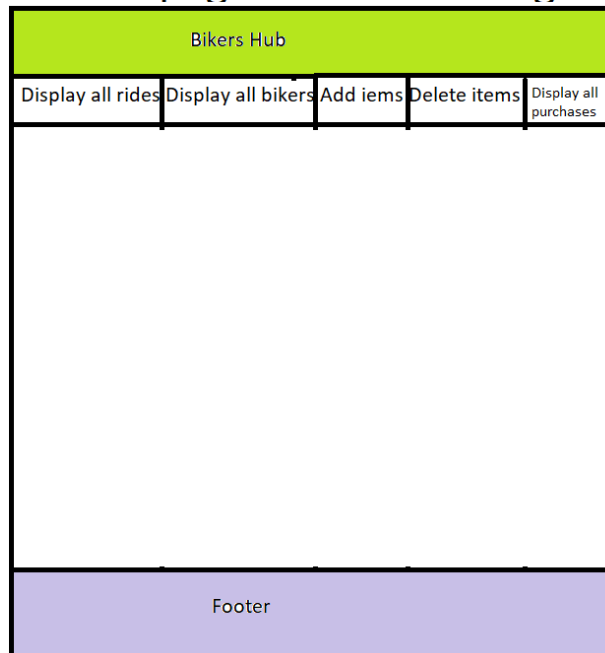
Registration page: This is the registration page for bikers.

Bikers Hub	
Login	Register
<p>Name: Phone Number: Gender: Email: Address: Bike number: Bike name: Password</p> <p>Register</p>	
Footer	

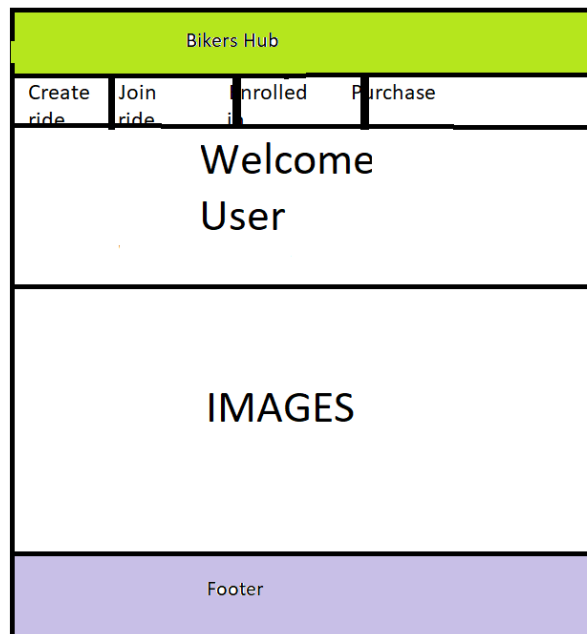
Login page: Login page for admin and biker

Bikers Hub	
Login	Register
<p>Email: Password:</p> <p>Login</p>	
Footer	

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



Home page after login for Biker: This is the home page that will be visible to bikers after login



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

Bikers Hub			
Create ride	Join ride	Enrolled	Purchase
<div>Ride name: From: To: Date: Other details</div> <div>Create ride</div>			
Footer			

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

Bikers Hub			
Create ride	Join ride	Enrolled	Purchase
<div>Rides available</div> <div><div><div>Ride name: From: To: Date: Bikers enrolled: JOIN</div><div><div>Ride name: From: To: Date: Bikers enrolled: JOIN</div><div><div>Ride name: From: To: Date: Bikers enrolled: JOIN</div><div><div>Ride name: From: To: Date: Bikers enrolled: JOIN</div></div></div></div><div>Footer</div></div></div>			

Enrolled rides page: Views the rides done till date.

Bikers Hub			
Create ride	Join ride	Enrolled	Purchase
<div>Name: Ride1 Ride ID: 123 From: To: Date: Cancel ride</div> <div>Name: Ride1 Ride ID: 123 From: To: Date: Cancel ride</div>			
Footer			

Purchase page: Page that lists all biker/travel related products, with their pricing.

Bikers Hub			
Create ride	Join ride	Enrolled	Purchase
<div>Item ! Details: Price: BUY</div>	<div>Item ! Details: Price: BUY</div>	<div>Item ! Details: Price: BUY</div>	
<div>Item ! Details: Price: BUY</div>	<div>Item ! Details: Price: BUY</div>	<div>Item ! Details: Price: BUY</div>	
Footer			

Billing page: Page where the user can make their payments, after deciding on the list of goods.

Bikers Hub

Create ride

Join ride

Enrolled

Purchase

Product details

Address details:

Confirm

Footer

Database Collections

Users

- User_ID
- Customer_Name
- Phone Number
- Password
- Gender
- Email
- Bike number
- Bike name
- Rides : List of enrolled rides

Rides

- Ride_ID
- Ride name
- From (Start point)
- To (Destination)
- Date
- Description
- UsersEnrolled: List of users

Items

- Item_ID
- Item name
- Description
- Rating
- Price
- Discount

Orders

- Order_ID
- Customer_Name
- Item name
- Ordered date