

DriveZy

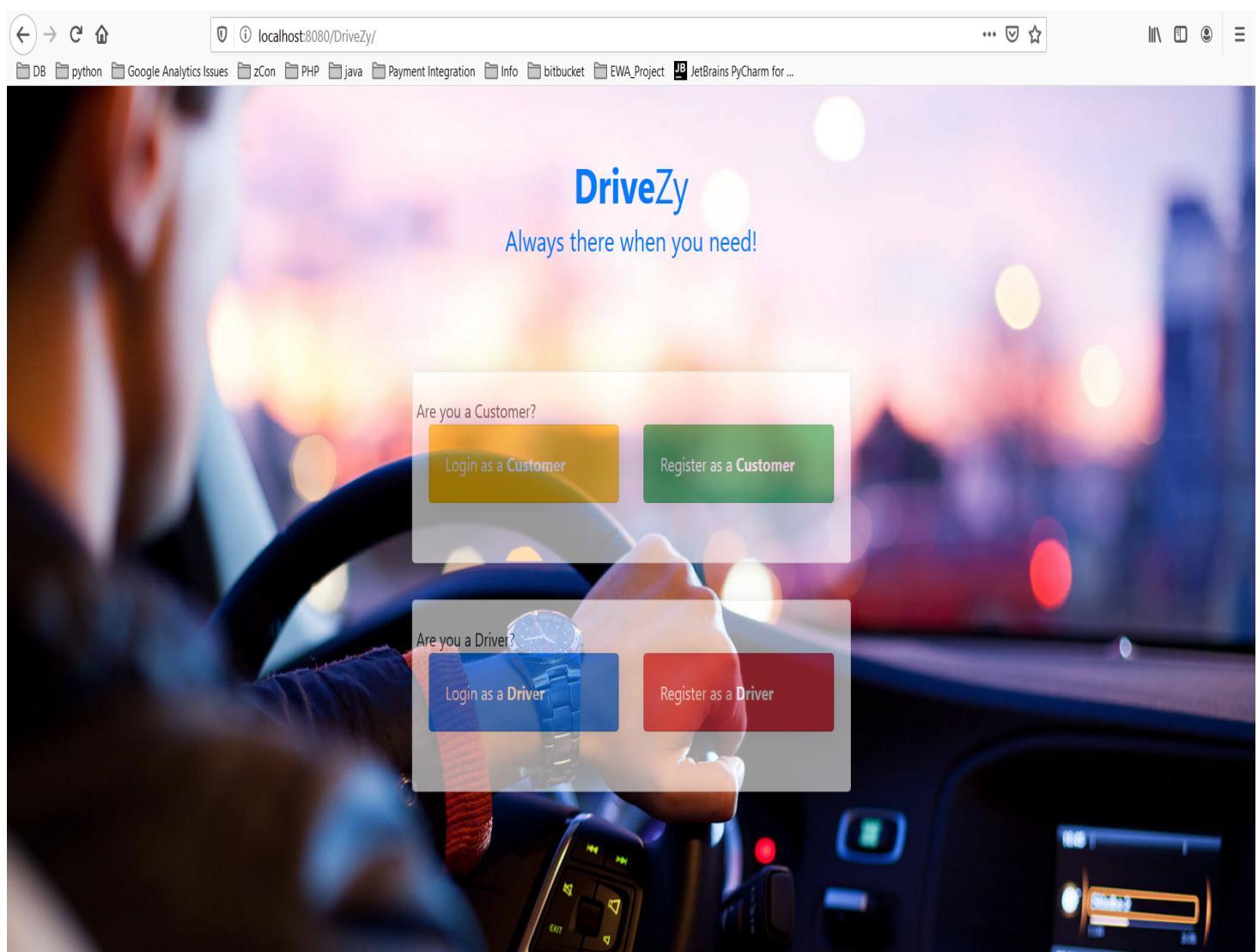
(Ridesharing Application similar to Uber and Lyft using ML for fare estimation)

Project Members:

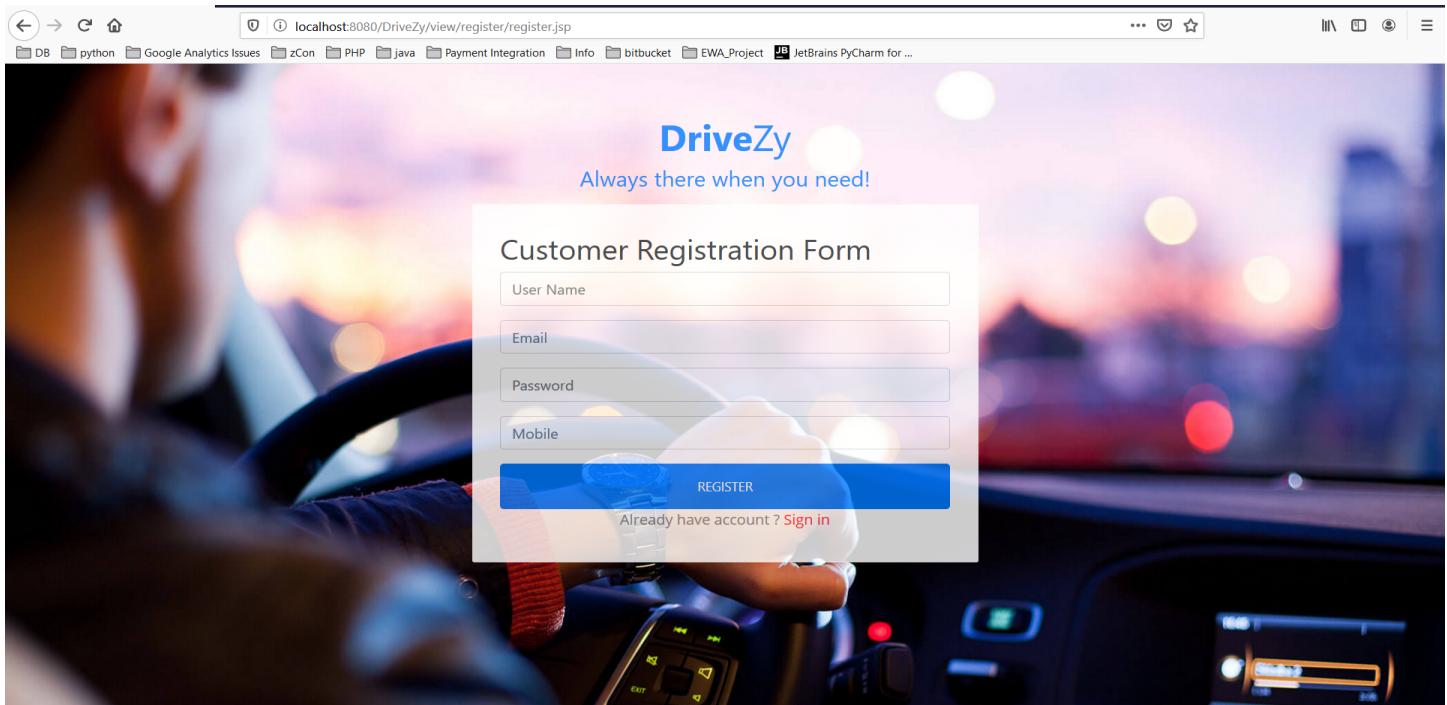
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Screenshots of TOP implemented features as follow:

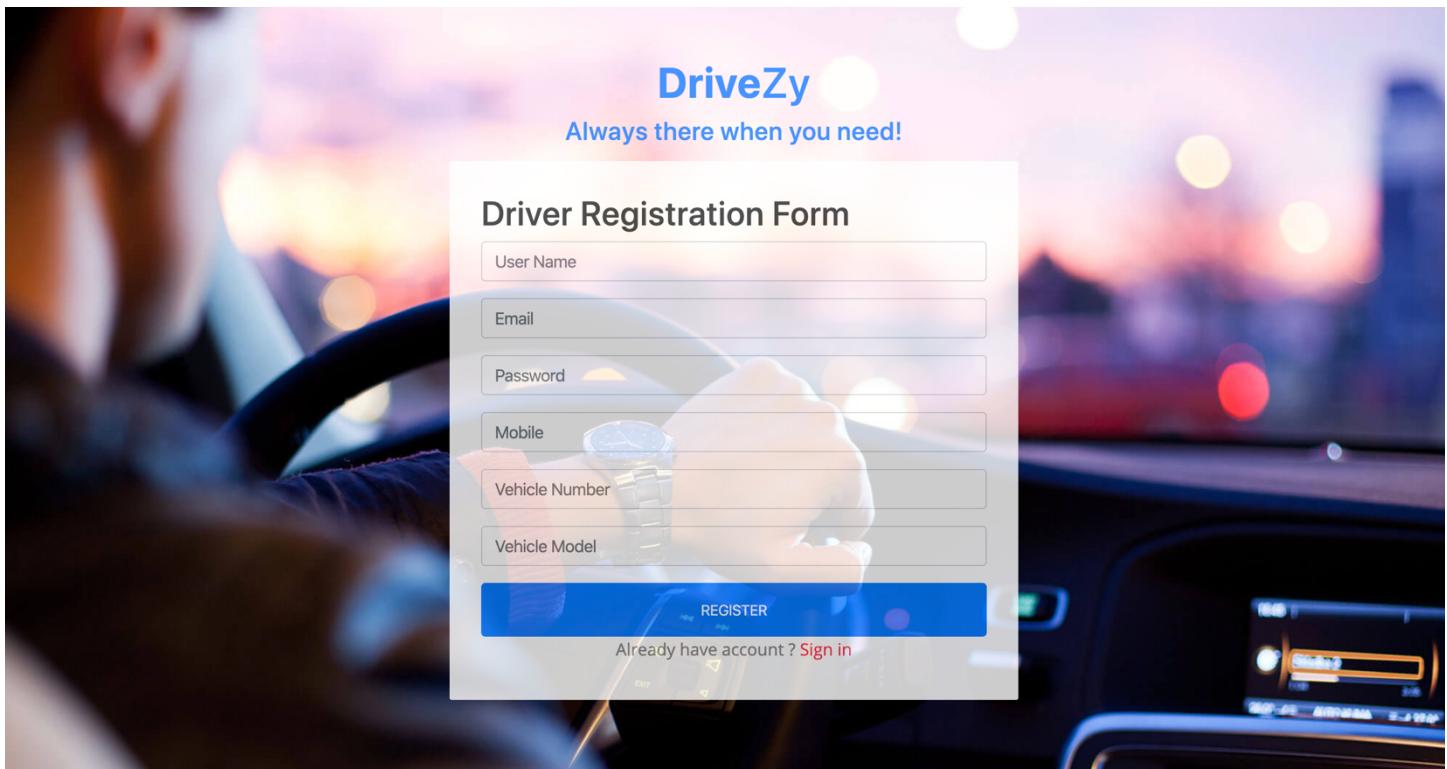
Home Page



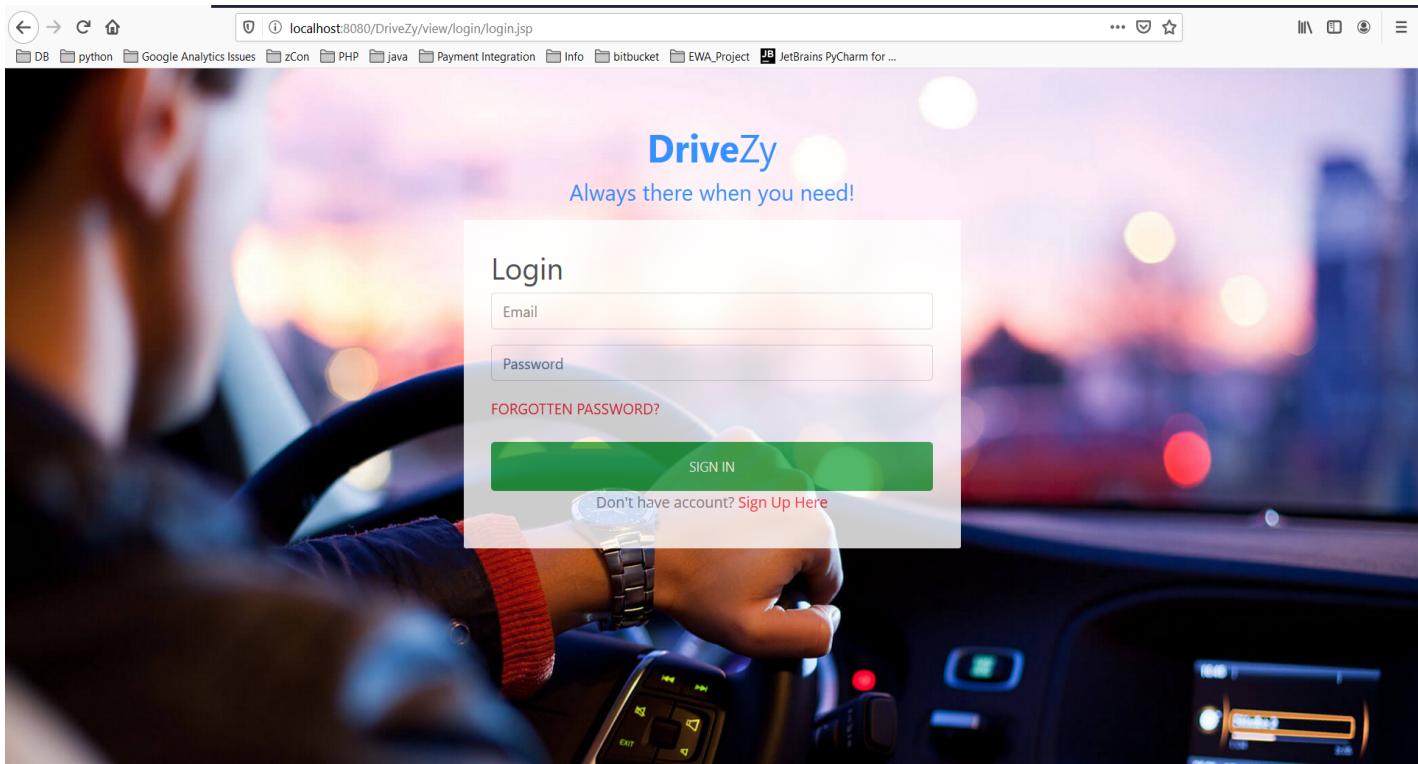
Customer Registration



Driver Registration



Login



Customer Dashboard

A screenshot of the DriveZy customer dashboard. At the top, there's a dark header bar with the DriveZy logo, a search bar, and a user profile icon for "customer3". The main content area has a dark sidebar on the left with links for "Dashboard", "Book Ride", and "My Rides". The main panel features a large "Dashboard" title and a promotional banner for the "RIDE SHARING APP". The banner shows a hand holding a smartphone displaying a map and ride options, with a yellow taxi cab icon to the right. At the bottom of the dashboard, there's a copyright notice: "Copyright © DriveZy 2019".

Customer Book Ride

The screenshot shows a web application interface for booking a ride. At the top, the browser's address bar displays the URL `localhost:8080/DriveZy/view/rides/bookRide.jsp`. The page title is "Book Ride". On the left sidebar, there are three menu items: "Dashboard", "Book Ride" (which is currently selected), and "My Rides". The main content area contains fields for "Source Location" (with a dropdown menu listing various "Millenium Park" locations), "Ride Time" (a placeholder field), and "Ride Type" (a dropdown menu with the option "Select Ride Type"). A large blue button at the bottom right is labeled "Book Ride". The top right corner of the screen shows the text "Customer1 0".

localhost:8080/DriveZy/view/rides/bookRide.jsp

DriveZy

Dashboard

Book Ride

My Rides

Search for...

Customer1 0

Book Ride

Source Location:

- Millenium park pla
- Millenium Park Playground Blanchardstown, Dublin, Ireland
- Millennium Park Plaza North Michigan Avenue, Chicago, IL, USA
- Millennium Park Plaza RFO Calle 2, Guaynabo, Puerto Rico
- Millenium Park Place Prosper, TX, USA
- Millennium Plaza Park 1st Street, Lake Oswego, OR, USA

powered by Google

Ride Time:

Time

Ride Type:

Select Ride Type

Book Ride

Customer Book Ride Form

Screenshot of the 'Book Ride' form in the DriveZy application.

The form fields are as follows:

- Source Location: Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA
- Destination: 500 East 33rd Street, Chicago, IL, USA
- Ride Date: 25-Nov-2019
- Ride Time: 5:42 PM
- Ride Type: Private Ride

A blue 'Book Ride' button is located at the bottom left of the form.

JSON Response for Ride Cost

Screenshot of the 'Ride Confirmation' page showing the JSON response for the ride cost.

The ride details are:

- Start Location: Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA
- End Location: 500 East 33rd Street, Chicago, IL, USA
- Ride Date and Time: 25-Nov-2019 5:40 PM
- Ride Cost: \$ 19.98

A map of Chicago is displayed, showing the route from the start location to the end location.

The Network tab of the browser developer tools shows the following request and response:

Status	Method	Domain	File	Cause	Type	Transferred	Size	Time
200	GET	cdnjs.cloudflare...	bootstrap-datetimepicker.css	stylesheet	css	cached	8.83 KB	0ms
200	GET	cdn.datatables.net	jquery.dataTables.min.css	stylesheet	css	cached	13.57 KB	1.28s
200	POST	localhost:5000	predict_api	xhr	json	210 B	32.8	16 ms

The Response tab shows the JSON payload:

```
fare: 19.981666666666667
```

Customer Book Ride Confirmation along with payment details

Booking Confirmation

Driver: Upcoming Ride Details Page

Screenshot of the 'Upcoming Ride Details' page for a driver on the DriveZy platform.

The page shows a map of Chicago with the route from the start location to the end location highlighted. The start location is Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA. The end location is 500 East 33rd Street, Chicago, IL, USA. The total distance is 4.8 mi. and the estimated time is about 12 mins.

The route details are listed below:

- Head north on N Michigan Ave toward E Lake St 0.1 mi
- Turn right onto East South Water Street 217 ft
- Slight right to stay on East South Water Street 384 ft
- Turn left at the 1st cross street onto Lower Stetson Ave 459 ft
- Turn right at the 1st cross street onto E Lower Wacker Dr 436 ft
- Continue straight to stay on E Lower Wacker Dr 0.2 mi
- Take the ramp onto US-41 S/N Lake Shore Dr 3.5 mi
- Take the US-41 S/31st St exit 0.1 mi
- Keep left to continue toward E 31st St 240 ft
- Turn right onto E 31st St 0.2 mi
- Turn left onto S Rhodes Ave 0.3 mi
- S Rhodes Ave turns slightly right and becomes E 33rd St 112 ft

Customer Details:
Name-Customer1
Email-Customer1@gmail.com
Mobile-+1 (231) 432-5678

Ride Type:
private

Start Location:
Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA

End Location:
500 East 33rd Street, Chicago, IL, USA

Ride Date and Time:
2019-11-25 17:42:00

Map data ©2019 · Terms of Use · Report a map error

Destination will be on the right

Map data ©2019

Customer Ride History

The screenshot shows a web browser window with the URL localhost:8080/DriveZy/view/rides/customerRideHistory.jsp. The page title is "Ride History". On the left, there is a sidebar with links: "Dashboard", "Book Ride", and "My Rides". The main content area displays a table of ride history entries. The table has columns: #, Source, Destination, Date, Time, Cost, Driver Name, Vehicle Details, and Write Review. There are 7 entries listed, all from Nov 25, 2019. The table includes search and pagination controls at the bottom.

#	Source	Destination	Date	Time	Cost	Driver Name	Vehicle Details	Write Review
1	Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA	Stuart Building, Chicago, IL, USA	Nov 25, 2019	06:00 PM	23.75	Padmajeet Driver	Honda Amaze MH 12 AD 2526	Edit
2	Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA	500 East 33rd Street, Chicago, IL, USA	Nov 25, 2019	05:42 PM	19.98	Padmajeet Driver	Honda Amaze MH 12 AD 2526	Edit
3	10 West 35th Street, Chicago, IL, USA	Navy Pier, East Grand Avenue, Chicago, IL, USA	Nov 25, 2019	04:59 PM	13.13	Ashutosh Driver	Honda Unicorn MH12 LY 4334	Edit
4	10 West 35th Street, Chicago, IL, USA	Navy Pier, East Grand Avenue, Chicago, IL, USA	Nov 25, 2019	04:58 PM	18.61	Ashutosh Driver	Honda Unicorn MH12 LY 4334	Edit
5	Stuart Building, Chicago, IL, USA	Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA	Nov 25, 2019	09:00 AM	17.9	Ashutosh Driver	Honda Unicorn MH12 LY 4334	Edit
6	Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA	Stuart Building, Chicago, IL, USA	Nov 25, 2019	09:00 AM	17.68	Ashutosh Driver	Honda Unicorn MH12 LY 4334	Edit
7	500 East 33rd Street, Chicago, IL, USA	Union Station, Illinois 50, Chicago, IL, USA	Nov 24, 2019	05:00 PM	24.4	Padmajeet Driver	Honda Amaze MH 12 AD 2526	Edit

Showing 1 to 7 of 7 entries

Previous [1](#) Next

Section Footer

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Driver Rides History

The screenshot shows a web application interface for a driver's ride history. The top navigation bar includes links for DB, python, Google Analytics Issues, zCon, PHP, java, Payment Integration, Info, bitbucket, EWA_Project, and JetBrains PyCharm. The main header says "DriveZy" and shows a search bar with "Padmajet Driver". On the left, a sidebar lists Dashboard, My Rides (selected), Upcoming Rides, and My Reviews.

My Rides

Show 10 entries Search:

#	Source	Destination	Date	Time	Cost	Customer Name	View
1	2951 South King Drive, Chicago, IL, USA	O'Hare International Airport (ORD), West O'Hare Avenue, Chicago, IL, USA	Dec 02, 2019	12:00 PM	\$59.54	Customer2	View
2	Stuart Building, Chicago, IL, USA	Millennium Park, Chicago, IL, USA	Dec 02, 2019	07:30 AM	\$14.77	Customer2	View
3	500 East 33rd Street, Chicago, IL, USA	Union Station, Illinois 50, Chicago, IL, USA	Nov 28, 2019	04:00 PM	\$30.05	Customer2	View
4	10 West 35th Street, Chicago, IL, USA	Navy Pier, East Grand Avenue, Chicago, IL, USA	Nov 26, 2019	05:24 PM	\$12.63	Customer5	View
5	Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA	Stuart Building, Chicago, IL, USA	Nov 25, 2019	06:00 PM	\$23.75	Customer1	View
6	Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA	500 East 33rd Street, Chicago, IL, USA	Nov 25, 2019	05:42 PM	\$19.98	Customer1	View
7	Stuart Building, Chicago, IL, USA	Union Station, West Monroe Street, Chicago, IL, USA	Nov 25, 2019	10:00 AM	\$18.71	Ashutosh Wadhvekar	View
8	Union Station, West Monroe Street, Chicago, IL, USA	Stuart Building, Chicago, IL, USA	Nov 25, 2019	10:00 AM	\$13.61	Ashutosh Wadhvekar	View
9	500 East 33rd Street, Chicago, IL, USA	Union Station, Illinois 50, Chicago, IL, USA	Nov 24, 2019	05:00 PM	\$24.4	Customer1	View
10	Stuart Building, Chicago, IL, USA	Millennium Park, Chicago, IL, USA	Nov 23, 2019	08:00 PM	\$16.38	Ashutosh Wadhvekar	View

Showing 1 to 10 of 13 entries Previous 1 2 Next

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Customer Book Ride Case 1 : Private Ride

Screenshot of the "Ride Details" page for a private ride.

Ride Rating: ★★★☆☆

Review: (Empty text area)

Submit Review button (Green)

Map: Shows a route from point A (10 West 35th Street, Chicago) to point B (Navy Pier, Chicago). The map includes labels for Franklin Park, Elmhurst, Melrose Park, Oak Park, Berwyn, Cicero, Little Village, Brighton Park, Back of the Yards, and Hyde Park.

Start Location: 10 West 35th Street, Chicago, IL, USA

Ride Cost: \$ 18.61

End Location: Navy Pier, East Grand Avenue, Chicago, IL, USA

Expected Ride Time (in minutes): 13 mins

Ride Date and Time: Nov 25, 2019 04:58 PM

Ride Type: private

Ride Cost: \$ 18.61

Driver Details:
Name-Ashutosh Driver
Email-wadhvekar.ashutosh@gmail.com
Mobile-+1 (312) 567-1234

Vehicle Details:
Model: Honda Unicorn
Number: MH12 LY 4334

Customer Book Ride Case 2 : Shared Ride

Screenshot of the "Ride Details" page for a shared ride.

Ride Rating: ★★★☆☆

Review: (Empty text area)

Submit Review button (Green)

Map: Shows a route from point A (10 West 35th Street, Chicago) to point B (Navy Pier, Chicago). The map includes labels for Franklin Park, Elmhurst, Melrose Park, Oak Park, Berwyn, Cicero, Little Village, Brighton Park, Back of the Yards, and Hyde Park.

Start Location: 10 West 35th Street, Chicago, IL, USA

Ride Cost: \$ 13.13

End Location: Navy Pier, East Grand Avenue, Chicago, IL, USA

Expected Ride Time (in minutes): 13 mins

Ride Date and Time: Nov 25, 2019 04:59 PM

Ride Type: share

Ride Cost: \$ 13.13

Driver Details:
Name-Ashutosh Driver
Email-wadhvekar.ashutosh@gmail.com
Mobile-+1 (312) 567-1234

Vehicle Details:
Model: Honda Unicorn
Number: MH12 LY 4334

Customer Book Ride Case 3 : Peak Time from Source to Destination

localhost:8080/DriveZy/view/rides/writeRideReview.jsp?ridId=22

DriveZy

- Dashboard
- Book Ride
- My Rides
- All Rides History
- My Reviews
- Reports
- Driver Reviews

Ride Details

Section Header

Ride Rating: ★★★☆☆

Review:

Submit Review

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Start Location: Stuart Building, Chicago, IL, USA	Ride Cost: \$ 18.71	Driver Details: Name-Padmajeet Driver Email-ppawar2@gmail.com Mobile-+1 (124) 356-8790
End Location: Union Station, West Monroe Street, Chicago, IL, USA	Expected Ride Time (in minutes): 12 mins	Vehicle Details: Model: Honda Amaze Number: MH 12 AD 2526
Ride Date and Time: Nov 25, 2019 10:00 AM	Ride Type: private	

Section Footer

Customer Book Ride Case 4 : Reverse of case 3

localhost:8080/DriveZy/view/rides/writeRideReview.jsp?ridId=23

DriveZy

- Dashboard
- Book Ride
- My Rides
- All Rides History
- My Reviews
- Reports
- Driver Reviews

Ride Details

Section Header

Ride Rating: ★★★☆☆

Review:

Submit Review

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Start Location: Union Station, West Monroe Street, Chicago, IL, USA	Ride Cost: \$ 13.61	Driver Details: Name-Padmajeet Driver Email-ppawar2@gmail.com Mobile-+1 (124) 356-8790
End Location: Stuart Building, Chicago, IL, USA	Expected Ride Time (in minutes): 11 mins	Vehicle Details: Model: Honda Amaze Number: MH 12 AD 2526
Ride Date and Time: Nov 25, 2019 10:00 AM	Ride Type: private	

Section Footer

Customer Write Review / Star Rating

localhost:8080/DriveZy/view/rides/writeRideReview.jsp?rideId=47 70% ⚡

DB python Google Analytics Issues zCon PHP java Payment Integration Info bitbucket EWA_Project JetBrains PyCharm for ...

DriveZy Search for... Customer1

Ride Details

Section Header

Ride Rating:

★★★★★

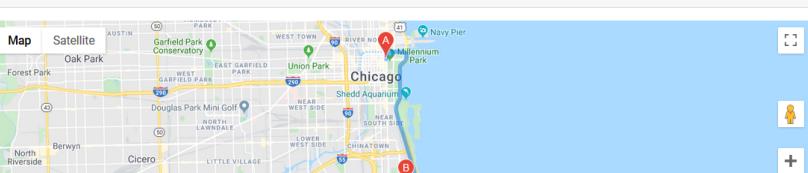
Review:

Awesome Ride!!

Submit Review

Map Satellite

Map data ©2019 Terms of Use Report a map error



Start Location:
Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA

Ride Cost:
\$ 19.98

Driver Details:
Name-Padmajeet Driver
Email-pawar2@gmail.com
Mobile-+1 (124) 356-8790

End Location:
500 East 33rd Street, Chicago, IL, USA

Expected Ride Time (in minutes):
12 mins

Vehicle Details:
Model: Honda Amaze
Number: MH 12 AD 2526

Ride Date and Time:
Nov 25, 2019 05:42 PM

Ride Type:
private

Section Footer

Super Admin Dashboard

localhost:8080/DriveZy/view/dashboard/dashboard.jsp

DB python Google Analytics Issues zCon PHP Java Payment Integration Info bitbucket EWA_Project JB JetBrains PyCharm for ...

Search for... Ashutosh Wadhvekar

Dashboard

Number of rides as per Source Location zipcode

Number of rides as per Source Locations zipcode

Zipcode	Percentage
60616	60.9%
60601	~10%
60626	~10%
60653	~10%

Number of Rides on particular date

Number of Rides on particular date

Number of rides

Number of rides according to Rating

Number of rides according to Rating

Ride Rating	Number of Rides
0	~18
1	~5
2	~8
3	~5
4	~12
5	~3

Postman to check predict_api for cost

The screenshot shows the Postman application interface. On the left, there's a sidebar with a 'History' tab selected, showing a list of API requests made on different dates. The main area is titled 'Untitled Request' and shows a POST request to 'http://localhost:5000/predict_api'. The 'Body' tab is active, displaying a JSON payload:

```
[{"passenger_count":2,"pickup_latitude":41.8348739,"pickup_longitude":-87.6139668999998,"dropoff_latitude":41.831204,"dropoff_longitude":-87.74364109999999,"H_Distance":9.5,"Year":2019,"Month":11,"Date":23,"Day of Week":6,"Hour":0}]
```

The response status is 200 OK with a fare of 20.04000000000003.

User table in MySQL database

The screenshot shows the MySQL Workbench application. The left sidebar has sections for MANAGEMENT, INSTANCE, and PERFORMANCE. The central area has a 'Query 1' tab with the following SQL code:

```
1 • use drivezy;
2
3 •   SELECT * FROM user;
4 •   SELECT * FROM rides;
5 •   SELECT * FROM driver;
```

The right side shows the 'Result Grid' tab with a table of user data:

userId	name	email	password	mobile	userType
1	Ashutosh Wadhwkar	awadhwkar@gmail.com	DriveZY@123	+1 312 843 7477	Super Admin
2	Ashutosh Customer	awadhwkar@hawk.it.edu	Zpl@123	+1 779 852 6612	Customer
3	Rohit	rohit.jogadale@gmail.com	Drivezy@123	1234567890	Customer
4	Akash Tangade	akash.tangade007@gmail.com	Akash@123	+1 (312) 566-7869	Customer
5	Padmajeet Pawar	ppawar2@hawk.it.edu	DriveZY@123	+1 (123) 456-7890	Customer
6	Customer2	Customer2@gmail.com	Customer2	+1 (234) 516-7890	Customer
7	customer3	customer3@gmail.com	12345	+1 (312) 973-9220	Customer
8	Customer1	Customer1@gmail.com	Customer1	+1 (231) 432-5678	Customer
10	Customer5	Customer5@gmail.com	Customer5	+1 (234) 567-8091	Customer
*	HULL	HULL	HULL	HULL	HULL

Rides table in MySQL database

The screenshot shows the MySQL Workbench interface with the 'rides' table selected. The table has 15 columns: source, sourceZipcode, destination, rideDate, rideTime, estimatedArrivalTime, rideDistance, rideType, rideReview, rideRating, payee, driverId, driverName, driverEmail, driverPassword, and driverMobile.

source	sourceZipcode	destination	rideDate	rideTime	estimatedArrivalTime	rideDistance	rideType	rideReview	rideRating	payee	driverId	driverName	driverEmail	driverPassword	driverMobile
500 East 33rd Street, Chicago, IL, USA	60616	1333 S Wabash, South Wabash Avenue, Chicago, IL, USA	2019-11-17	19:29:00	12 mins	2.8 mi	NULL	4	22.45					Zpl@123	+1 (312) 567-1234
500 East 33rd Street, Chicago, IL, USA	60616	Millennium Park, Chicago, IL, USA	2019-11-18	22:00:00	11 mins	4.0 mi	NULL	5	22.45					DriveZy@123	+1 (124) 356-8790
500 East 33rd Street, Chicago, IL, USA	60616	Millennium Park, Chicago, IL, USA	2019-11-22	13:00:00	11 mins	4.0 mi	NULL	2	14.98						
Stuart Building, Chicago, IL, USA	60616	Union Station, Illinois 50, Chicago, IL, USA	2019-11-22	13:30:00	11 mins	7.8 mi	NULL	1	23.77						
500 East 33rd Street, Chicago, IL, USA	60616	Millennium Park, East Randolph Street, Chicago, IL, USA	2019-11-22	14:45:00	11 mins	3.7 mi	NULL	2	13.25						
500 East 33rd Street, Chicago, IL, USA	60616	Millennium Park, East Randolph Street, Chicago, IL, USA	2019-11-23	10:00:00	11 mins	3.7 mi	NULL	3	13.32						
Stuart Building, Chicago, IL, USA	60616	Union Station, West Monroe Street, Chicago, IL, USA	2019-11-25	10:00:00	12 mins	4.2 mi	NULL	4	18.71						
Union Station, West Monroe Street, Chicago, IL, USA	60601	Stuart Building, Chicago, IL, USA	2019-11-25	10:00:00	11 mins	4.3 mi	NULL	4	13.61						
Stuart Building, Chicago, IL, USA	60616	Millennium Park, Chicago, IL, USA	2019-11-23	20:00:00	13 mins	4.9 mi	NULL	4	16.38						
Millennium Park, Chicago, IL, USA	60601	Stuart Building, Chicago, IL, USA	2019-11-27	20:00:00	11 mins	4.4 mi	NULL	Awesome ...	4	13.98					
Stuart Building, Chicago, IL, USA	60616	Apple Michigan Avenue, North Michigan Avenue, Chicago, IL, USA	2019-11-22	16:30:00	14 mins	5.7 mi	NULL	1	23.69						
Millennium Park Plaza, North Michigan Avenue, Chicago, IL, USA	60601	500 East 33rd Street, Chicago, IL, USA	2019-11-23	19:00:00	12 mins	4.8 mi	NULL	2	15.8						
costco wholesale near Chicago, IL, USA	60608	500 East 33rd Street, Chicago, IL, USA	2019-11-23	18:40:00	17 mins	5.4 mi	NULL	3	13.03						
500 East 33rd Street, Chicago, IL, USA	60616	Union Station, Illinois 50, Chicago, IL, USA	2019-11-28	16:00:00	28 mins	8.3 mi	Nice Ride!...	4	30.05						

Driver table in MySQL database

The screenshot shows the MySQL Workbench interface with the 'driver' table selected. The table has 8 columns: driverId, driverName, driverEmail, driverPassword, driverMobile, userType, vehicleNumber, and vehicleModel.

driverId	driverName	driverEmail	driverPassword	driverMobile	userType	vehicleNumber	vehicleModel	driverRating
1	Ashutosh Driver	wadhvekar.ashutosh@gmail.com	Zpl@123	+1 (312) 567-1234	Driver	MH12 LY 4334	Honda Unicorn	4
2	Padmajeeet Driver	ppawar2@gmail.com	DriveZy@123	+1 (124) 356-8790	Driver	MH 12 AD 2526	Honda Amaze	3