

# Illinois Tech

TAXI 1729

RIDE TO INFINITY

ITMD – 566 Group Signup 3

Ramanuja Sreenidhi A20390002

Shivank Saxena A20388347

RIDE APP FEATURES



RIDE TAXI



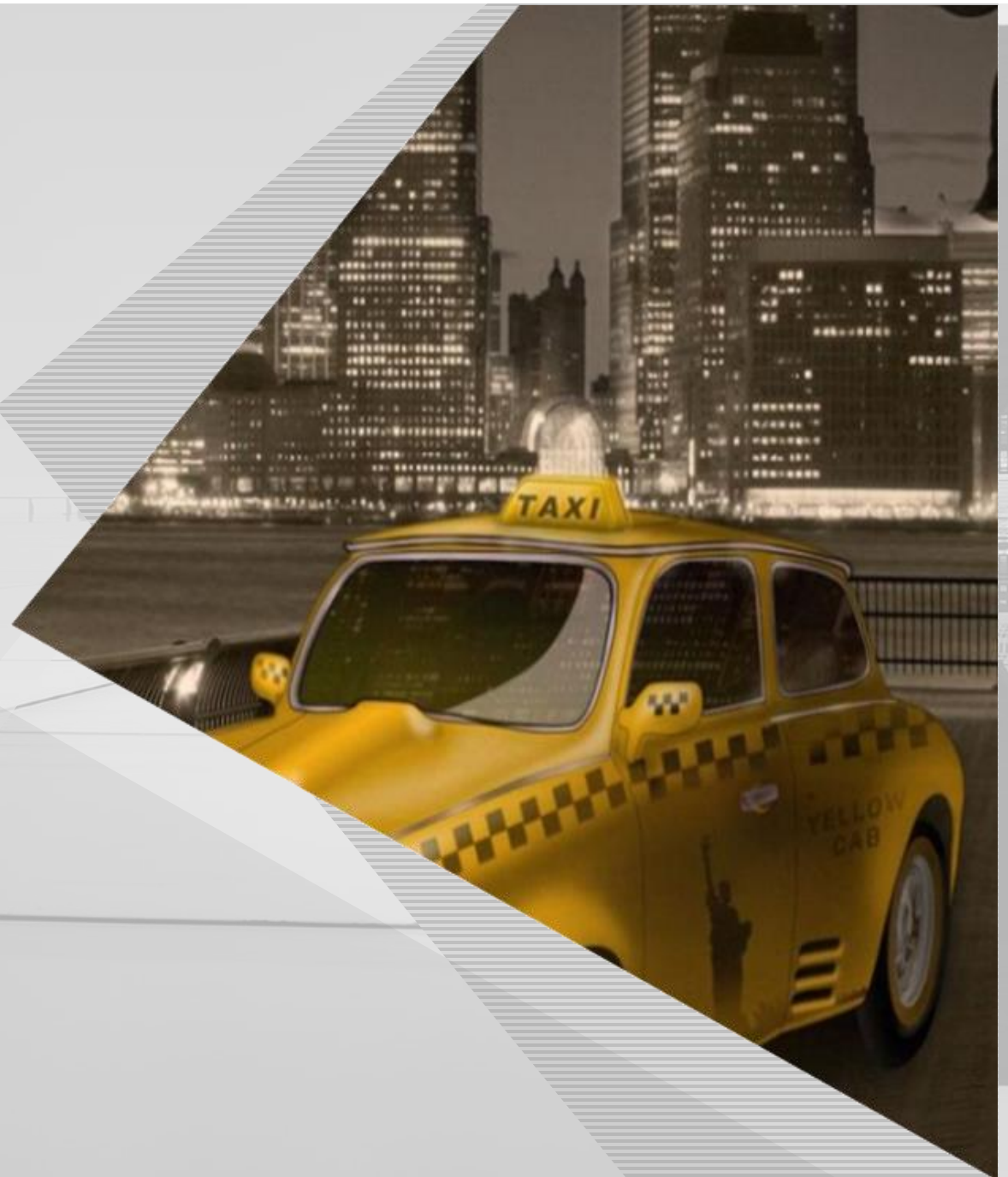
RENT TAXI



COST  
CALCULATION



RIDE HISTORY



# Introduction

- ▶ Taxi 1729 is Car Rental and Taxi Ride app, like Uber.
- ▶ App is named in memory of one of the greatest mathematician

SRINIVASA  
RAMANUJAN

- ▶ A User friendly app.
- ▶ Importance given to user experience



## Ramanujan's Number

$$10^3 + 9^3 = 1729 = 12^3 + 1^3$$

# TAXI 1729 Features

RIDE TAXI

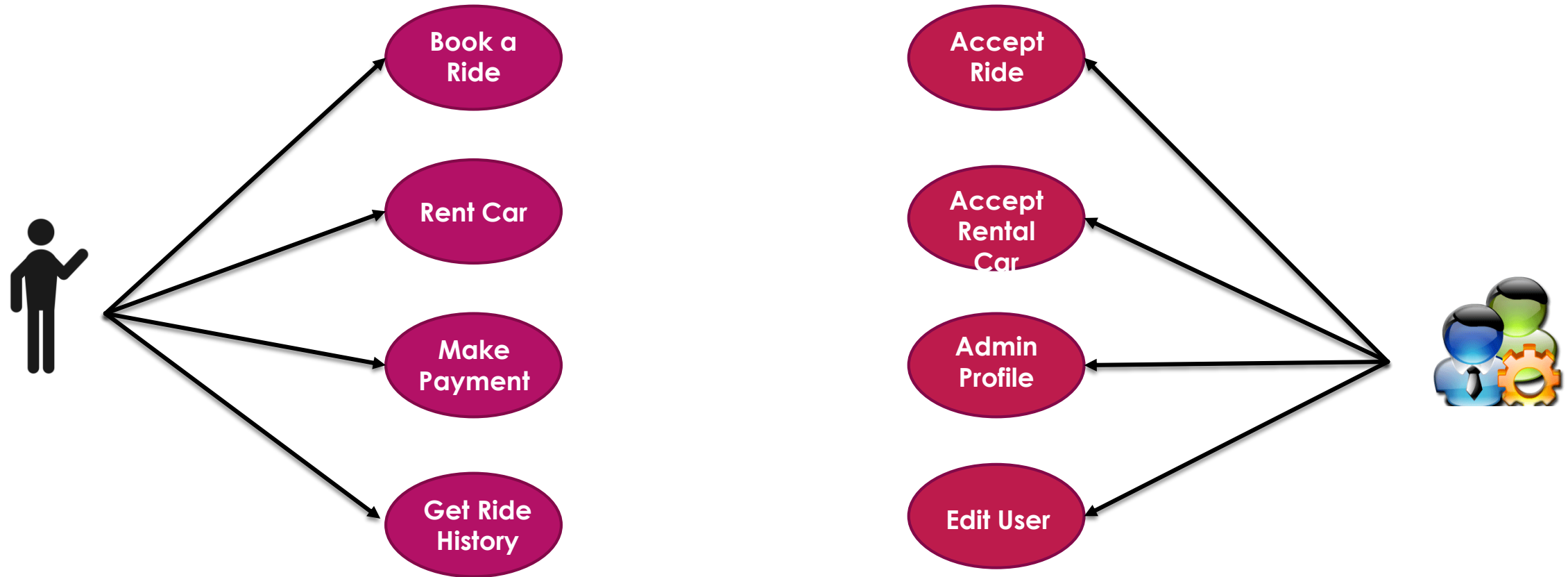
COST  
CALCULATION

RENT CAR

RIDE / RENT HISTORY



# Use Case





Log in

[New to site? Create Account](#)



©2018 All Rights Reserved

# Login





Create Account

Already a member? [Log in](#)



©2018 All Rights Reserved

# Register

Success! Registraion Successful!! You can login now.



Username

Password

Log in

New to site? [Create Account](#)

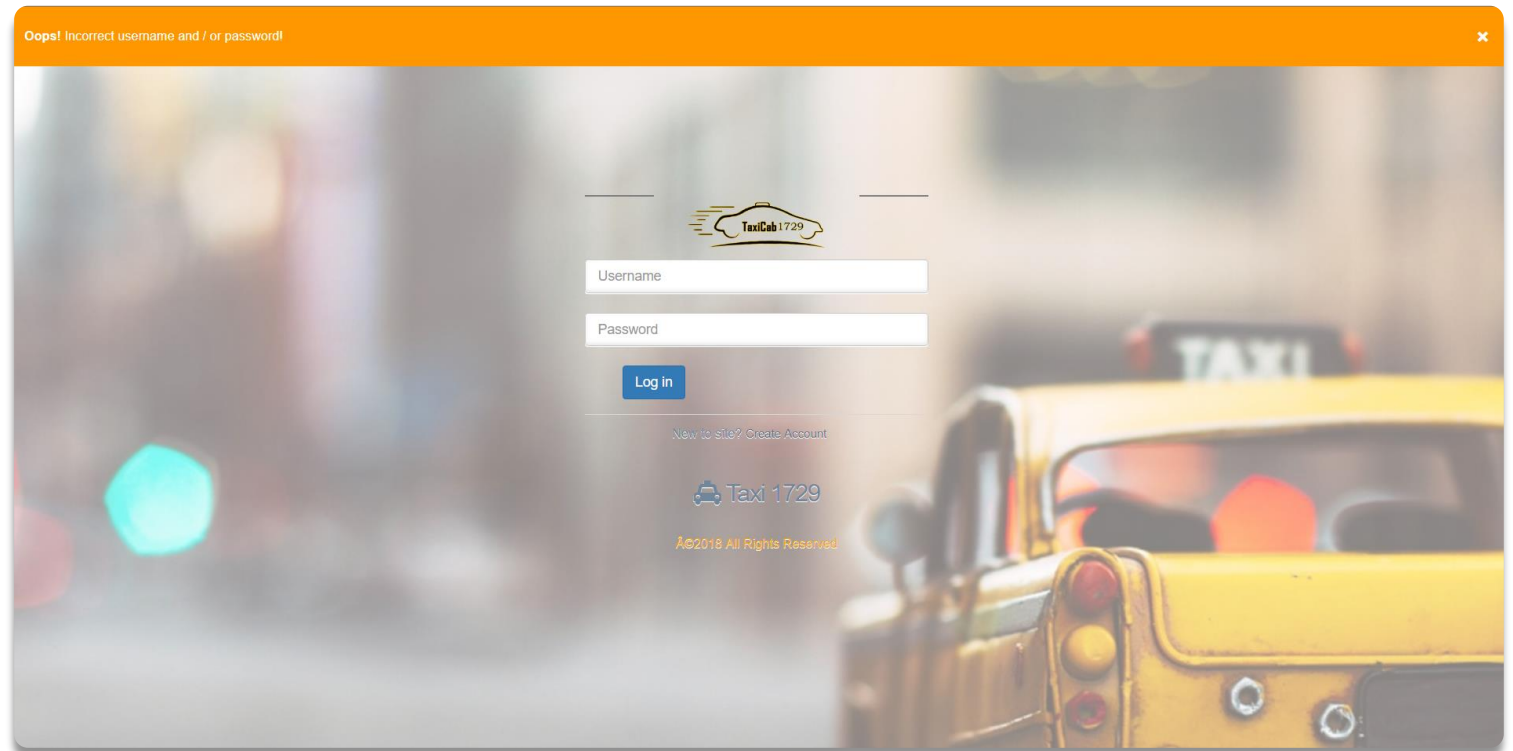
 Taxi 1729

*©2018 All Rights Reserved*

# Notifications


# Error Handling

- ▶ Username and Password Validation
- ▶ Registration Form Validation
- ▶ All input field validations





Taxi 1729



rsreenidhi

GENERAL

Home

Book Ride

Rent Car

Logout

My Trips Complete trip History!

Search for... Go!

Show 10 entries

Copy CSV Print

Search:

Trip Id	Date	Driver	Fare	Car	Service Type	Rating
1	2018-01-05	Nixon	\$5.0	BMW	ride	4.5
2	2018-01-25	Patel	\$12.0	Mazda	ride	4.0
3	2018-02-21	Bauer	\$8.5	Audi	rent	5.0
4	2018-04-26	Self	\$130.0	BMW	Rent	5.0

Showing 1 to 4 of 4 entries

Previous 1 Next

©2018 All Rights Reserved  
Taxi 1729

# User Login

COMPLETE RIDE AND RENT HISTORY

Taxi 1729

rsreenidhi

GENERAL

- Home
- Book Ride
- Rent Car
- Logout

My Trips Complete trip History!

Search for... Go!

Show 10 entries

Copy CSV Print

Trip Id	Date	Driver	Fare	Car	Service Type	Rating
1	2018-01-05	Nixon	\$5.0	BMW	ride	4.5
2	2018-01-25	Patel	\$12.0	Mazda	ride	4.0
3	2018-02-21	Bauer	\$8.5	Audi	rent	5.0
4	2018-04-26	Self	\$130.0	BMW	Rent	5.0

Showing 1 to 4 of 4 entries

Previous 1 Next

©2018 All Rights Reserved  
Taxi 1729

# Sessions and Attributes...

```
01. HttpSession session=request.getSession();
02. session.setAttribute("user",loggedUser);
03.
04. <%
05.     User user = (User) session.getAttribute("user");
06. %>
07. <%=user.getUserName() %>
08.
09. <%
10. String distance = (String) request.getAttribute("distanceString");
11. %>
```

# Book Ride

- ▶ Get From and To address
- ▶ Calculate Distance and duration using Google Distance Matrix API
- ▶ Calculate Ride Cost, based on Distance and cost per kilometer

rsreenidhi

GENERAL

- Home
- Book Ride
- Rent Car
- Logout

Where do you want us to take you?

From \* 2901 South King Drive

To \* MTCC

Cancel Submit

Hyundai Sedan

Car Type: Sedan

Rent per km:	\$1.2
Distance	1.805 Km
Time	5 mins
Driver	Steven Smith

**Final Cost: \$2.17**


Hire Me

```
01. URL url = new URL(  
02.     "https://maps.googleapis.com/maps/api/distancematrix/json?origins=" +  
03.     URIUtil.encodeQuery(from) + "&destinations=" + URIUtil.encodeQuery(to) + "&key=AIzaSyA3eaK3zaQI_pBJ5kR-wCx_dUuIP8mKR44");
```

# Rent Car

- ▶ Select Date Range
- ▶ Select Car from the list
- ▶ Get Ride

Taxi 1729



rsreenidhi

GENERAL

[Home](#)

[Book Ride](#)

[Rent Car](#)

[Logout](#)

Rent Cars Its your car!


When do you want the car?

Date Range

04/26/2018 - 04/28/2018

Cancel Book

Ferrari Sedan



Ferrari 2015

BMW, Ferrari, Merc are one of the top brand cars available for rent.

Available Colors

Green Blue Red Orange

Car Type: Sedan

Color: red

Rent per day: \$30

Insurance per day: \$80


Number of Days: 7

Final Cost: \$770

Get this for Ride

[f](#) [t](#) [e](#) [r](#)

BMW Sedan



BMW 2012

BMW, Ferrari, Merc are one of the top brand cars available for rent.

Available Colors

Green Blue Red Orange

Car Type: Sedan

Color: black

Rent per day: \$25

Insurance per day: \$40

Number of Days: 7

Final Cost: \$455

Get this for Ride

[f](#) [t](#) [e](#) [r](#)




## Checkout



**BMW** Sedan

- ✓ Car Model: 2012
- ✓ Car Color: black
- ✓ Trip Days 7
- ✓ Cost per day 25.0
- ✓ Insurance per day 40.0
- ✓ Final Cost 455.0



### Your payment details

NAME

---

CARD NUMBER

EXPIRATION DATE CVC ?

MM

YY

123

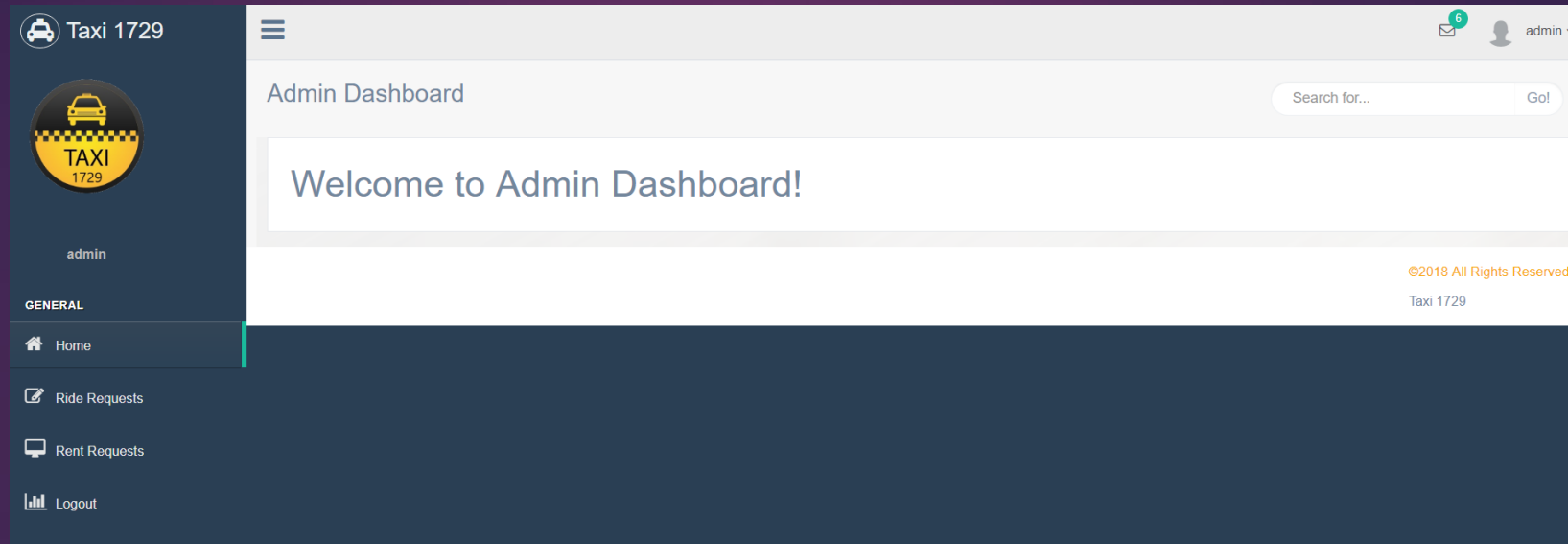
☒ Save my card for future purchases

**PAY NOW**

©2018 All Rights Reserved

Taxi 1729

# Payment

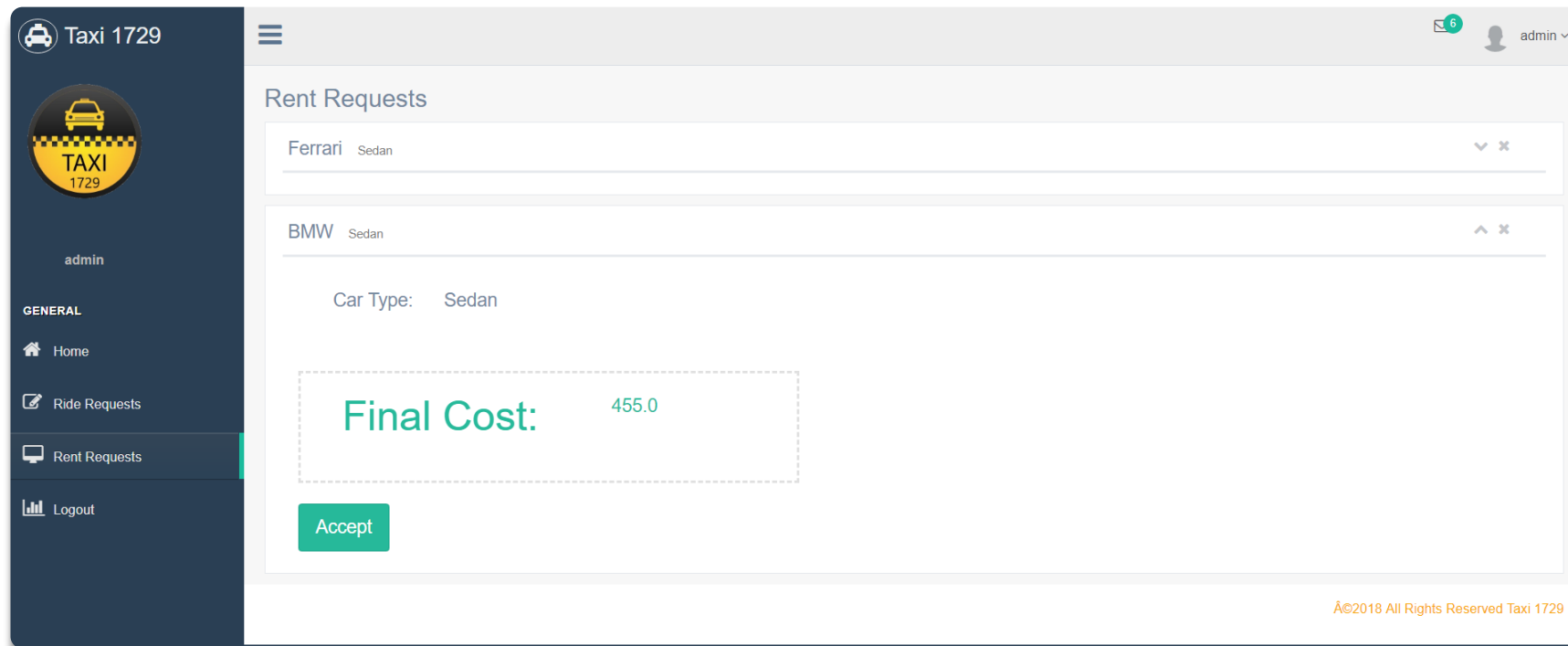


# Admin Login

ACCEPT RIDE AND ACCEPT CAR RENTAL

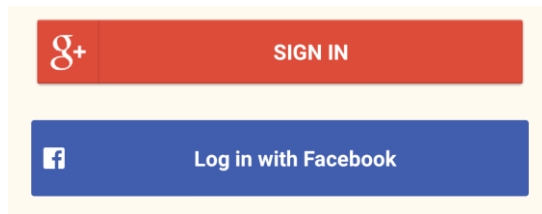


# Accept Ride, Accept Car Rental



# FUTURE IMPLEMENTATIONS

- ▶ Google Maps API for navigation and dropping Pin
- ▶ OAUTH 2 for Login using Google or Facebook



“

Thank You...

”