*A PROJECT REPORT*

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*By*

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*Of*

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**INTRODUCTION**

Out of the several taxi app existing out there, it becomes difficult for the users to identify, compare and book the cab that is charging them the minimum fare. Well, they have to keep toggling between different taxi booking apps such as **Ola**, **Uber** etc before booking a taxi for a particular destination.

Now certainly the above scenario looks quite overawed and thus the users are looking for the pursuits so as to simplify this taxi fare estimation procedure. Thus, owing to the current scenario the concept of taxi fare comparison app had made a clear-cut way in the mainstream of taxi business.

Users can now compare the fare charges under the one roof and can book the cab at the lowest price. The taxi fare comparison will book the cab for a concerned vendor whether **Uber,Ola**etc. without even registering on any of them. Well, doesn’t the concept sounds pretty much interesting?

So here keep reading this documentation for identifying the**best features of Cab fare comparison app**.

When you need to book a cab these days, you end up launching the app of services you know. So let's say you start by launching the Ola app, and it displays the cabs that are available nearby. If there's nothing that's close enough, then you launch another app like Uber, or Ola, or Rapido, and work your way through the list until you find something that is close enough to book.

Sometimes you want to compare the apps to see if you can save five minutes by changing your provider or can save some bucks. This can be quite inconvenient and wastes a lot of time going back and forth between apps.

That's where this app for Android comes into the picture. The interface is simple and easy to use. After you've confirmed your details and phone number with the app, it starts at the booking screen.

**OBJECTIVES OF PROJECT AND ADVANTAGES**

Main objectives of this project will be to achive following goals :-

* Help the user to save time in comparing taxi fares
* Help user to save some amount of money upon showing lowest rated cabs around them
* Help user to save memory occupied by all the other cab applications so that they can directly book the cabs from the app after comparing the rates/fares
* Bring a change in Cab booking Scenario
* Provide a Simple UI/UX to the user so that it will be easy for people of any age to use the application

**FEASIBILITY STUDY**

Owing to the current scenario the concept of [taxi fare comparison app development](https://www.octalsoftware.com/taxi-fare-comparison-app-development) had made a clear-cut way in the mainstream of taxi business.

Users can now compare the fare charges under the one roof and can book the cab at the lowest price. The taxi fare comparison will book the cab for a concerned vendor whether **Uber,Lyft, DIDI**etc. without even registering on any of them. Well, doesn’t the concept sounds pretty much interesting?

So here keep reading the post for identifying the**best features of a taxi fare comparison app**. it will also aid you in case you are having the similar idea running through the mind.

This Project will bring a great change in the race of cabs app development and will attract more and more users towards booking cabs.

There is a great need of this application in today’s cabs applications so that it will automate some of the tasks that user had to do manually , Such as Comparing lowest rates of cabs and comparing the lowest time taken by which cab and many more.

**METHODOLOGY/PLANNING OF WORK**

The Metholodies and Work Plannings used are as follows :

1. **Taxi aggregators API:**

Since app will showcase the fare estimated by the different taxi aggregators, it is important to link the API of all the connected taxi providers to the app.Now, what the API will do?  **It will fetch the price from the libraries and the database of the cab service providers enlisted in your app thus allowing the user make a comparison in a very simple way**.

**2.)    Taxi Fare Calculator**

Taxi fare app calculates the charges as per the provided **pick –up and drop-off location**. It compares the price with all the fares that are outlined by the different taxi aggregators. This way the fares are not only verified but also the chances of unrealistic fare calculation decreases.

**3.)    Real-time surge pricing information**

Users get the surge pricing information attuned to the all the cab service providers. It may happen that different taxi services can have different surge pricing standards, for instance, the fare price listed by the Uber may be high when compared with any other taxi service provider. Thus, the users can find and compare the surge prices and can accordingly book a taxi with a reasonable fare.

Under this section, users get real-time updates about the surge pricing, therefore, for their confined distances they can check the prices in a very convenient way before proceeding for booking a cab.

**4.)    Book instantly**

Once the users identify the taxi they want to travel in, they can book them instantly. The book instantly feature will allow them to [book the taxi within the app](https://www.octalsoftware.com/on-demand-taxi-booking-app-development) itself. Users are not required to register with the respective app or with any other service provider. With just one single app, their task of booking the Cab can be accomplished.

**5.)    Find the nearest taxi**

Users can select the nearby taxi based on the pick-up location. They can book the cab that reaches their desired location within a minimal time. This feature can help the users in accomplishing their instant plans in a very convenient and cost-effective manner.

**6.)    Select your own driving machines**

Users can select their own driving machines such as **SUV**, **Auto**, **Sedan** etc. Since the price varies for all of them, hence the users can discover the required car model and can compare the charges outlined by the different cab service providers. Once selected, they can book the cab when required.

For instance, the **Uber may charge less when compared with the Ola in the case when the user selected Sedan**. Thus, it becomes quite easy for the users to select the appropriate car as per their requirement and comfort at a minimal price.

**9.)    Push Notifications**

Push technology comes as great deal in keeping the users engaged with the app. All the information regarding the app updates, offers and discounts can be delivered. It helps in keeping users aware of the services that are offering and at the same time increase the users’ base as well.

**FACILITIES REQUIRED**

**Facilities/Technologies Required for this Projects will be :**

1. Java : For Backend working of the application that will make the app work dynamically.
2. XML: For Front End working that will basically provide a great UI/UX to the user.
3. API’s: For fetching the Uber and Ola API’s.
4. Android: Used for converting the above working into an android application.

**BIBLIOGRAPHY**

Resources used for Referencing this project are :

* Udemy
* GeeksForGeeks
* Wikipedia
* Book-“Java-The Complete Reference”