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Title:- **CHAUFFEUR**

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CHAUFFEUR

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ABSTRACT:

'**Chauffeur**"is an online driving booking application. It was built to hire an unemployed person to drive a private or hired car through mobile to avoid road accidents. Background check is done for every driver before approving their application into the app. Any negative traffic reviews or bad performances on the driver in the past will be considered strictly and never let the driver to be employed. The main benefit of this applica-tion is to provide employment opportunities to several people, to reduce drunk and drive, rash driving accidents, mostly suitable to people who don"t know how to drive. All the drivers will follow the safety measures and maintains social distance from the client while driving the vehicle.

1. INTRODUCTION

'Chauffeur' is an online driving booking application. It was build to hire an unemployed person to drive a private or hired car through mobile to avoid road accidents. Background check is done for every driver before approving theirappli-cation into the app. Any negative traffic reviews or bad performances on the driver in the past will be considered strictly and never let the driver to be employed. The main benefit of this application is to provide employment opportuni-ties to several people, to reduce drunk and drive, rash driving accidents, mostly suitable to people who don't know how to drive.

All the drivers will follow the safety measures and maintains social distance from the client while driving the vehicle. The project is categorised into two sides. The Front-end side and the Back-end side.The proposed system not only overcome the loopholes of the existing system but also provides additional features.The system consists of students' registration of new users, Login to the portal, Book-ing of a driver, Status of their booking, User profile settings, List of previ-ous booking history, Online payment mode, Location access. The main objective of the application is to reduce the accidents rate along with increasing employability rate. The drivers who have good track record in the field of driving are eligible.All the details of drivers, user booking history, transactions are stored in the databases and can have an easy access using RestClient API service, which makes the app work more efficiently. This software is very flexible and easy to use.

2. REATED WORK

Existing Systems

In the existing system, we only have online cab booking services but not to hire a driver for your owned vehicle. This leads to several road acci-dents as there are many people who don't know how to drive, doesn't having any kind of driving licences, rash driving , driving while drunk, minor aged people can cause disasters. To eradicate these type of issues we had developed this specific application

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particularly for four wheelers and two wheelers. Unemployed people who doesn't own any vehicle to provide taxi services can be hired. Problems facing with existing systemsNo feature of hiring drivers. Can only be able to book vehicles. No increasing employability rate. Can't solve the issue of minor aged driving

Proposed Systems

In the proposed system, we can be able to experience the safe journey from the source to destination stops. The hired drivers will undergo the background check verification process like past driving history etc. All the hygienic safety measures will be considered while driving keeping the pandemic situation in mind.

3. METHODOLOGY

An application architecture describes the patterns and techniques used to design and build an application. The architecture gives you a roadmap and best practices to follow when building an application, so that you end up with a well-structured app. Software design patterns can help you to build an application. A pattern describes a repeatable solution to a problem. Patterns can be linked together to create more generic application archi-tectures. Instead of completely creating the architecture yourself, you can use existing design patterns, which also ensure that things will work the way they"re supposed to. As part of an application architecture, there will be both front-end and back-end services. Front-end development is concerned with the user experience of the app, while back-end development focuses on providing access to the data, services, and other existing systems that make the app work. The architecture is a starting point or roadmap for building an applica-tion, but you"ll need to make implementation choices not captured in an architecture. For example, a first step is to choose a programming lan-guage in which to write the application. There are many programming languages used for software development. Certain languages may be used to build certain types of applications, such as Swift for mobile apps or JavaScript for front-end development.Modern application architectures are more often loosely coupled, using micro services and application programming interfaces (APIs) to connect services, which provide the foundation for cloud-native applications.

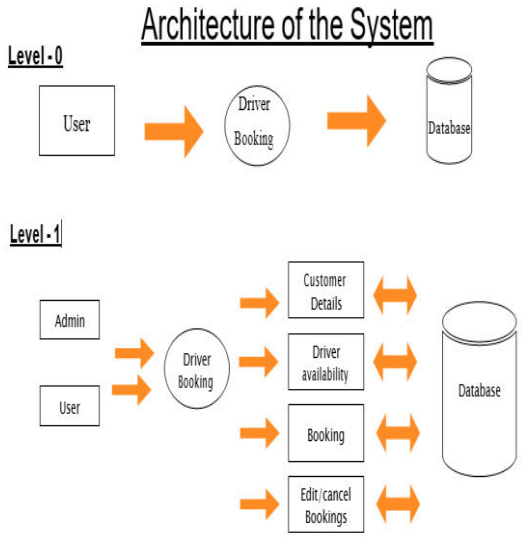

Figure 1: Architecture

'**Chauffeur**' is an online driving booking application. It was build to hire an unemployed person to drive a private or hired car through mobile to avoid road accidents. Background check is done for every driver before approving their application into the app. Any negative traffic reviews or bad performances on the

driver in the past will be considered strictly and never let the driver to be employed. The main benefit of this application is to provide employment opportuni-ties to several people, to reduce drunk and drive, rash driving accidents, mostly suitable to people who don't know how to drive. All the drivers will follow the safety measures and maintains social distance from the client while driving the vehicle. Unlike existing online cab booking applications, it was specifically de-signed for those people who owns a vehicle but unable to drive or for those who are intoxicated.

There are several online cab booking applications currently. But all those applications works on hiring a cab or a two-wheeler basis but not actual-ly hiring a driver. There are various below poverty line people who are unable to afford a two-wheeler or four-wheeler to provide cab services for income. The ex-isting online systems works for those people who owns a vehicle and provide driving servicesonly. Chauffeur aims to provide employability opportunities to such unem-ployed Candidates.

The Chauffeur project was divided into front-end and the back-end. The front end side enables the users to book the driver, login, signup, search-ing. The backend side contains the accessibility of data from database, passing the user requests to the server, location access.

Front end side description

The front end is a user interface on which the user can perform the op-erations. It is a side which is visible to the user. It contains all the story-board frameworks and illustrates how the screens are sequenced. It gen-erally contains buttons and switches to take the input from the users. Every frame which is displayed on the screen comes under front end de-velopment.

Back end side description

The backend side is something that a user is unable to see. It's a side where all the operations will be carried to the database server. Every user request which comes from the front end side, will be passed to database server using API's to evaluate and sends the request to the user. Lan-guages such as php, .net is used to develop backend side.

Input Design

Input design is part of overall system design that requires special atten-tion designing input data is to make the data entered easy and error-free. The initial stage of this project is the user needs to login into their re-spective accounts before performing any booking operations. If the user doesn't have any account, they need to create a new account with their email id's. These actions will be considered as the inputs of the ap-plications. All the actions such as searching for the location, accessing the current location access of the driver, maintaining history records, updating pro-files, integrating social media accounts comes under the inputs.

OUTPUT DESIGN

Output design of this application %Online Grievance Redressal System" generally refers booking of a driver for the user's vehicle to experience hassle-free journey. The output is designed in such a way that

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it is easi-er, efficient and effective. Frameworks are designed in a user-friendly manner which is easier to understand and access. As the outputs are the most important sources of information to the users, better design should improve the application's relationships with end users. The output will be produced when the user request is sent and retrieved from the database using JSON and API services.

4. STUDY OF RESULTS:

Figure2:**Open Screen**

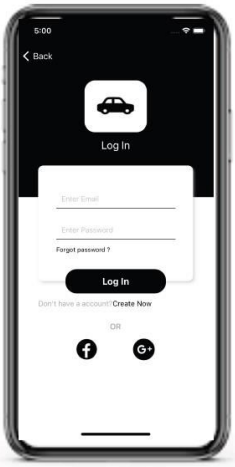

Figure3:**Login Page**

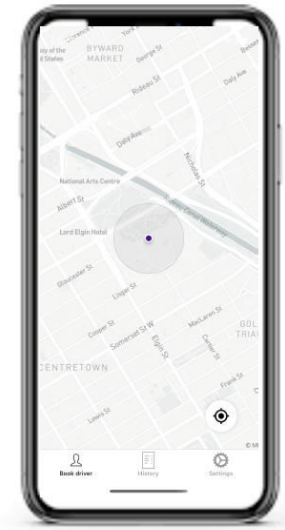

Figure4: **Location Screen**

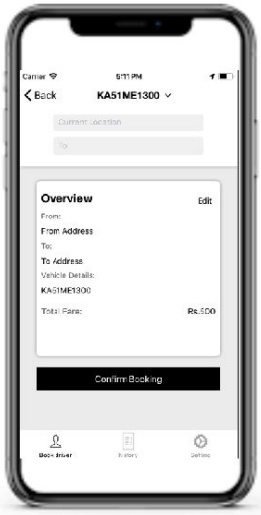

Figure5: **Booking Status**

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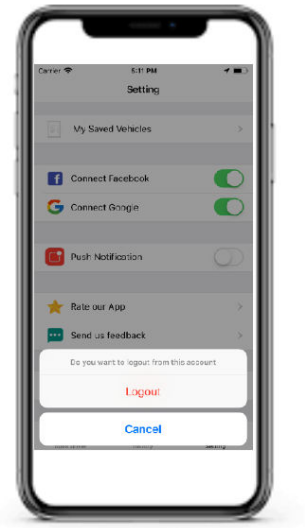

Figure6: **Logout Screen**

5.CONCLUSION :

The Main motto of "**Chauffeur**" is to reduce the drunk and drive acci-dents along with providing more employability opportunities. It motivates the citizens to follow all traffic related rules, regulations and guidelines. Background profile checking is done to all the designated drivers before hiring them as an employees. All safety measures will be taken while picking and dropping the clients. To provide an hassle-free and safe journey experience to the passengers especially designed for ladies and adults.

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