

CHAPTER 1

INTRODUCTION

Now days the Android is became so popular because of its friendly interaction with the users. The android has entered each and every field like Gaming, Media, Medical, Transportation, and so on. Here our idea is to help the person who is in need of public Autos or Taxi. The person can make use of this application to catch the Auto's and the Taxi to reach the destination.

An Android device is a device that runs on the Android operating system. Android cell phone is a Smartphone with touch screen interface, multiple connectivity option, internet browsing capabilities, support for video playback and a camera. Android is an array of software intended for mobile devices that features an operating system, core applications and middleware. An Android device may be a Smartphone, tablet PC, e-book reader or any type of mobile device that requires an OS.

In our project, we make use of different technologies – Android and GPS. Firstly the Auto and Taxi will be registered in the Booth. The booth will be having the server, so that the client application can communicate with the server to catch the Auto or Taxi.

Here the person, who uses this application, gives the source and the destination input, the input data will be sent to the autos or taxi which are near to that person within a certain area. The drivers in the Auto or Taxi receive the alert through there Android mobile and immediately go to the particular place where the person is standing. The person gets into the Vehicle and reaches their destination. The application will be created through the server in customer android set so that there will no confusion while paying precise amount to the Auto and Taxi. Along with this women feel free to travel with all security constraints.

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Our application can be installed only on smart phones. When you will buy tickets, the ticket will be in the form of Quick Response Code. The GPS facility which is available in the Smartphone is used for checking the tickets and the Quick Response code will be deleted from Smartphone automatically once the passenger reaches the destination as in [2]. All the information of passenger will be stored on cloud database for privacy purposes. Ticket checker will be provided with QR code scanner, with which he can get the complete details of the passenger. This application will be very useful for “Metros” which are now going to be established in the cities like pune.

Android is an operating system and a software platform upon which applications are developed. Android, which is a potential game-changer for the mobile development organisation? Android is well placed to address the growing needs of the market place. Android is the first in a new generation technology of mobile development platforms, giving its platform developed opens a distinct edge to the competitors. The latest version of Android is codenamed Gingerbread. Android is an open source platform. For both developers and handset manufacturers, there is no need to pay royalties or license fees to develop for the platform.

Android applications are written in a well-respected programming language: Java. On the Android platform, there is no distinction between native and third-party applications, providing the best services comparing other application developers. Each and every Android applications use the existing libraries. Platforms such as Symbian have suffered from setbacks due to MAL-GM. Android’s application security model helps protect the user and the system from malicious software.