

FINDNPARK ANDROID APP

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ABSTRACT

Last few years India use more car and bike, that's why the number of cars and bikes has increased, and various problem arrives, one of the measure problem is to find a parking spot for park car or bike, for this reason we make a app for finding parking slot. To make things easier for parking car or bike of owner it is important to have app for finding parking slot. Searching for the parking space is a time consuming, when you visiting shopping mall, cinema hall or unknown area then it's really hard to find parking space. Using this app the driver can select the desire spot to park. And also we have given the total no. of empty slot and where the parking slot is, this help driver to park easily.

Keyword: - Application, Google Map APIs/SDK, Android Studio

1. Introduction

In this project we introduce the concept of FindNPark Android app which is based on android version 5.0 lollipop or above. This project is implemented using Android Studio, Google maps API and SDK.. When user can't find parking slots for parking car nearby him, then he can use our app for finding slot. This app will be very useful for those people who are visiting new places and those people who don't know much about the new places.

Living in urban area could get little hectic, especially when you are out in your car for some reason and need to find parking slot for park your car, and like everyone follow traditional way to of driving around the parking area, to find the free space but what when there is no free slot for park your car, you lost your time and also fuel. For finding parking slot you can use FindNPark app this app will help you to finding parking slot and booking slot.

This app saves your time and also your fuel. And this app show exact location of closest parking area. And you can book parking slot even before entering a parking slot

2. SCOPE OF PROJECT AND LIMITATION

a) Scope

- It can be used without Sign-Up process.
- Easy to use and find exact location of parking space.
- It's save your time and fuel.

b) Limitations

- It requires android smartphone.
- It requires internet connection.
- It cannot run on computer system.

3. BASIC CONCEPT OF APPLICATION

This application use for finding parking slot and booking slot even before entering a parking slot, this app not use camera for scanning purpose. It directly book parking slot.

4. MODULES IN APPLICATION

- Find exact location
- Get information about free space
- Book Parking slot

5. REQUIREMENT GATHERING

The developer will be responsible for controlling the system and user can find parking slot according to his need and book the slot before entering the slot.

The developer will be executive of upgrade the app features as well as the requirement of users, and the developer will also be executive for maintaining the app through finding the bug.

5.1 Business Problem

The main objective if this app is to save time and make it easier to locate the free space in a parking slot without any external help of a third person. It shows the real time location of the free space and also tells the route map to the location not only tells about the free space but also tells the map

5.2 Solution Approach

Everyone knows how mobile applications have become an inevitable part of our lives. We spend most of our time on mobile applications. This is because the world has turned out to be digital and mobile application are the only source to do day by day activities. This is the why number mobile application development is increasing day by day. FindNPak app helps one of the measure problems in driving in urban areas is finding a empty parking slot.

5.3 Proposed System

It allows pre-booking and the system allows users to give individual parking preferences. The system checks if any parking slot is free and finds the best available parking slot according to user requirement.

5.4 Proposed process of The App



Fig.1 Proposed System

5.6 Technology Survey

Android is an open source application, Linux-based software stack which is created for a wide area of device and from factor. The below diagram shows the major components of the Android platform

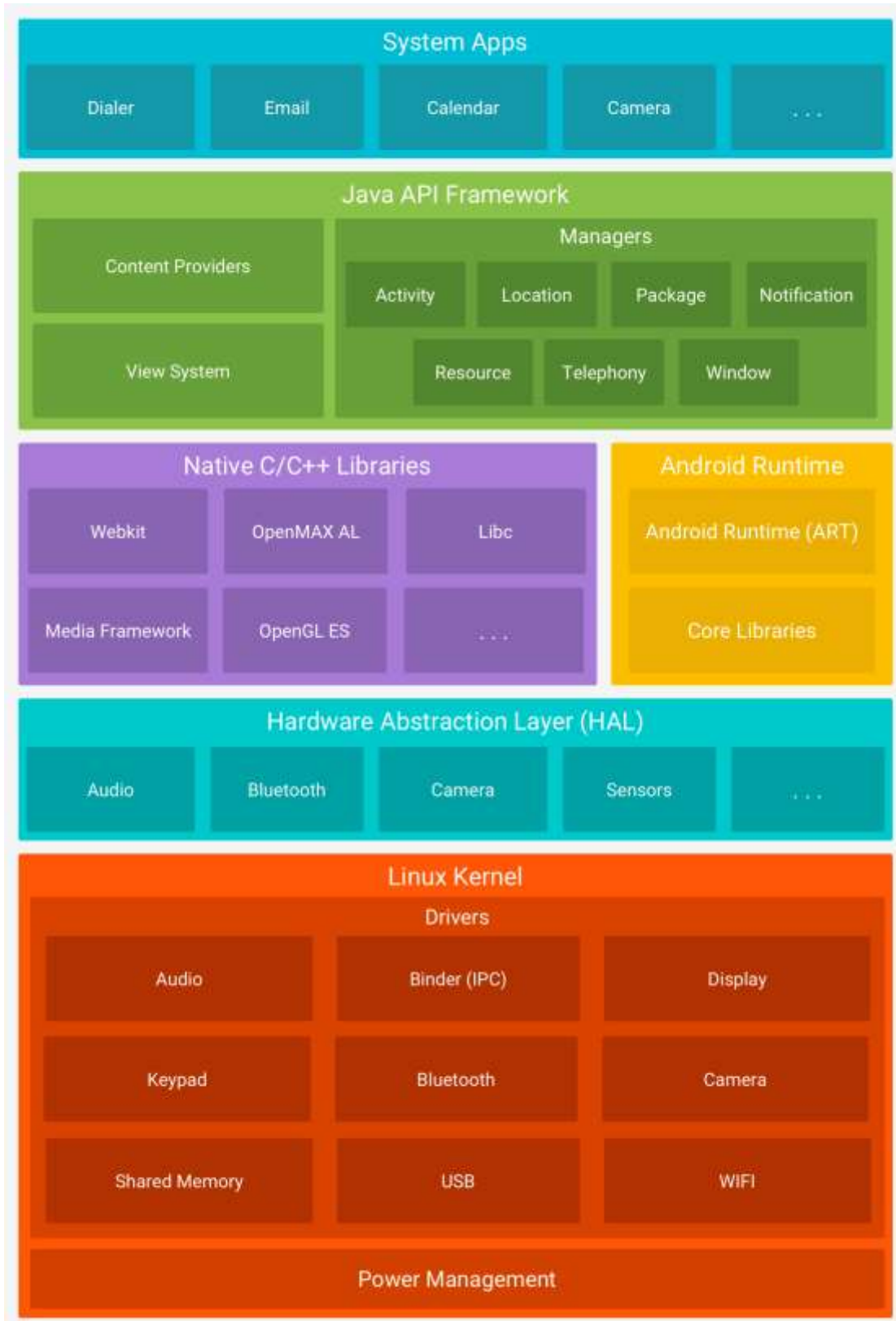
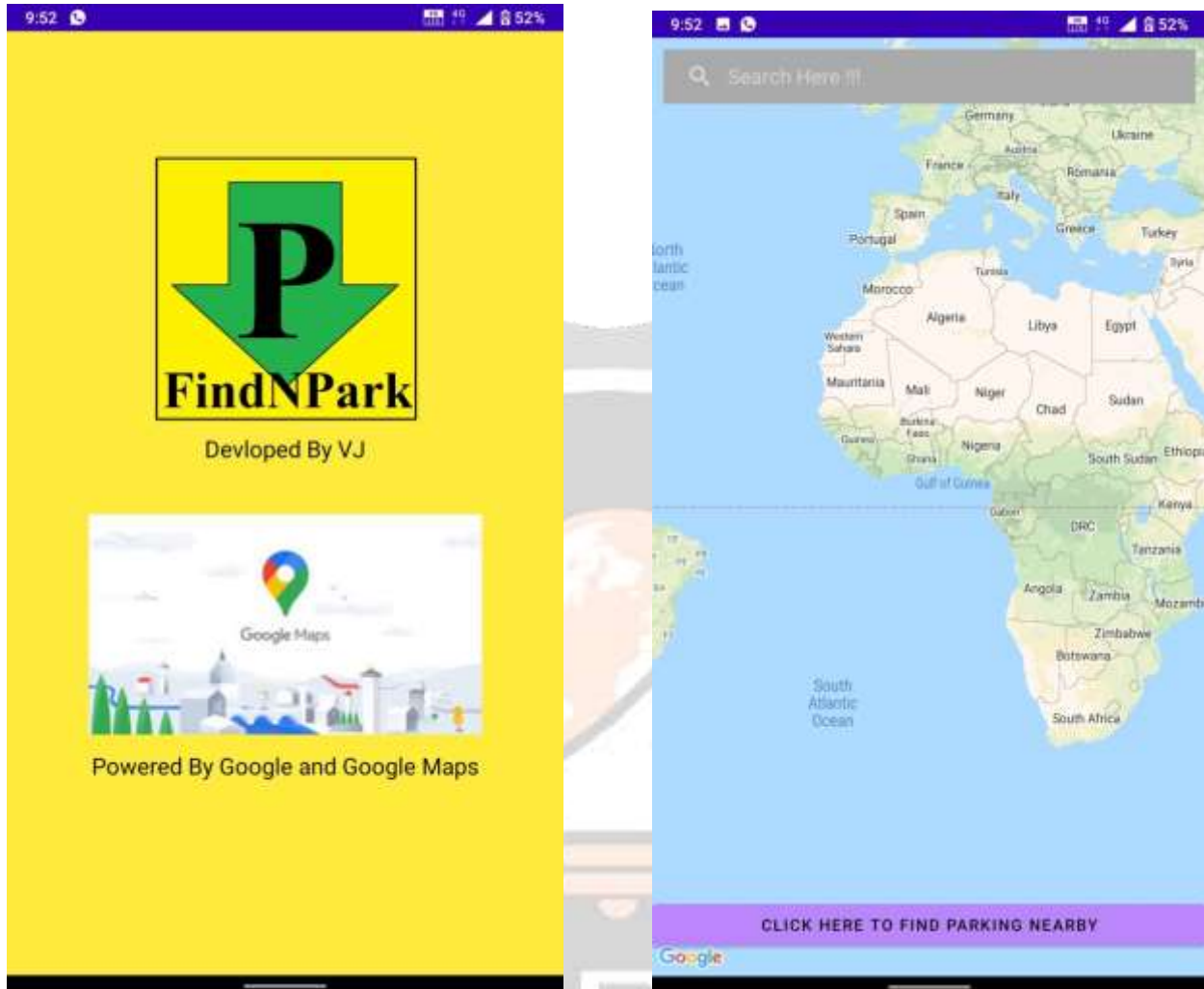


Fig.2 Android Architecture

5.7 Demo App Screenshot



CONCLUSION

In the past five years, the usage of smart phone has been increasing rapidly most of people are using android mobile device which in turn enhance the scope of developing android application, android application is an open source platform and this app only for android mobile devices.

The application is used to select a parking slot even before entering the lot for parking vehicle. This app save your time as well as fuel you don't need to driving around the parking area it's just waste of your time and fuel.

This application is compatible with several version of android ranging 5.0lollipop to recent android version.

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