

HELPERBEA
PROJECT SYNOPSIS



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DECLARATION

I hereby declare that the work which is being presented in the mini project-“HELPERBEA”, in partial fulfillment of the requirements for the mini project lab, is an authentic record of my own work carried under the supervision of Mr. Neeraj Khanna.

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INTRODUCTION

We are living in a world where everything is happening in the blink of an eye. Keeping track of essentials in this fast-paced life sometimes turns out to be quite demanding. Therein comes the use of 'HELPERBEA'. In today's world, mobile phones have become a huge necessity for all. This application controls the notification. Modern hand held devices such as smartphone and PDAs have become increasingly powerful in recent years. The era of mobile technology opens the window to the android app. The websites are vanishing and mobile phones are emerging. But it's a common phenomenon to lose your smartphone and that too on silent. Our app solves this problem by providing a unique solution via text message. In case it is lost or misplaced, there comes the use of this application and that too without internet. Through this application we can access some basic functionalities of our mobile such as phone's contact book, sound settings, etc, and also can track our mobile location. If for any reason one has forgot to lock his phone, then this app can be used to lock its screen with just one click and thus sustaining its security. To use this application, one need not to be an expert in technicalities or do any major settings so as to execute it, instead he only needs to login and send an sms from that app for whatever details or functionality he want to access. A basic android phone with limited features can use also be used to entertain the features of this app. This android app interacts with the user through G.U.I. The interface is simple, easy to handle and self-explanatory. Once opened, user will easily come into the flow with the application and easily uses all interfaces properly.

System Requirements

Supported Operating system: Windows 7 or above

Software Required: -

- Android Studio
- Android SDK
- sqlLite for database

Hardware Requirements

For Android Studio:-

- Intel i3 6th Gen (1.8 GHz minimum).
- 4 GB of RAM.
- 2GB GPU
- 5000x Hard Disk
- Internet Connection

For Android Application:-

- Emulator
- Basic android mobile

Frontend and Backend

Frontend: Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, macOS and Linux based operating systems. It is a replacement for the Eclipse Android Development Tools (ADT) as primary IDE for native Android application development.

Backend: Back End of the project lies on Sql Lite. SQLite is an open source SQL database that stores data to a text file on a device. Android comes in with built in SQLite database implementation.

SQLite supports all the relational database features. In order to access this database, you don't need to establish any kind of connections for it like JDBC, ODBC etc.

The main package is android.database.sqlite that contains the classes to manage your own databases

Idea

In today's era, mobile has become a basic need for a person. Day by day, the technology is becoming an increasingly important part of our everyday life. Using new technology, everything seems easier. Thus, losing one's phone can be a bizarre situation and that too on silent. So our app solves this problem. Losing a mobile phone might be a scariest thing to happen. If in case this happens, HELPERBEA can help us find the lost mobile and can fetch its data too there and then with its amazing features.

Objective

1. Safety: Device gets safer as the app reduces the chances of losing the mobile phone.
2. Peace of mind: Getting panicked is quite common when your phone is lost and is on silent. This app reduces the panic and thereby ensuring peace of mind.

Module Description

- Access Contact: Just send a sms to your phone with contact name and you will get number back as an sms.
- Access Mobile Location: HELPERBEA will send you an sms with your phones current location immediately.
- Change Sound Profile: HELPERBEA will help you change the sound profile of the phone from silent to normal mode so you could search for it easily.
- Lock Your Phone: HELPERBEA will help you lock your screen immediately.
- Block Contact: This app can even block any desired contact.
- Mobile Alarm: Alarm your mobile through sms.

Future Scope

- In future, system can be enhanced to maintain a list of last tracked places and route map.
- Can access more functionalities of mobile such as viewing photo gallery and other apps of that mobile.
- The sms feature can be enhanced further to clickable icons.
- We can even add gestures to change any settings of the lost mobile. This can be done faster.

DFD

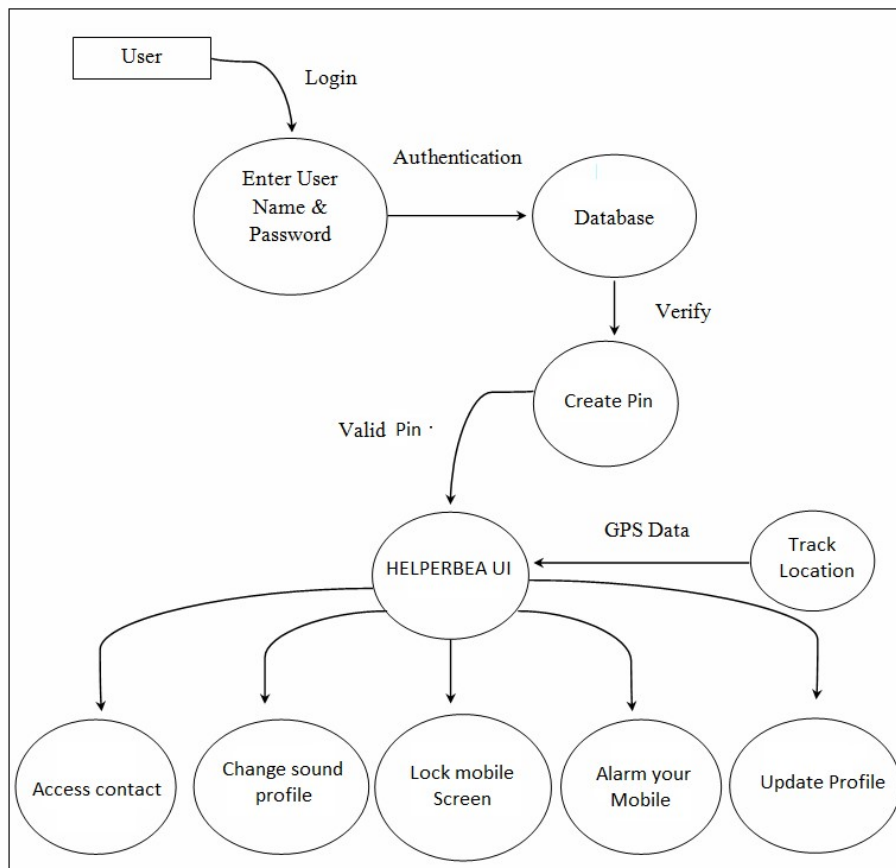


Fig 1: 1 Level DFD

AVAILABILITY

This HELPERBEA application works for all android versions. It provides various features which is not present in other applications.

CONCLUSION

An app to help in all the device locating related problems. The techniques which are going to use in android automation include those in detecting location as well as changing notifications. After studying and understanding literature survey and other existing works, we proposed a Novel technique that will gives us better understanding of the Environmental conditions of mobile.

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