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PAPER

An Android Application in Searching for Hospitals

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This research focuses on Android application development techniques needed to implement a mobile application that consists of features that can search information about hospitals with its exact or nearest location. Since there is no application available to developers to explain such techniques, this research presents such a development. We have been able to create a number of different applications where we provide the user with information regarding a place he or she wants to visit. But these applications are limited to desktops only. The objective of this research is to develop such an application for Android mobile devices.

The application can help users to find the location of hospitals with the hospital and doctors' information. From this application, Android users can search any hospital in the country with its exact or nearest location using the Google Maps in satellite or map view. This is an information service, accessible with Android mobile devices through the mobile network, and utilizing the ability to make use of geographical position of any hospital in the country. Also, from this application users can search for information about doctors such as day, time and the hospital that has the facility to channel them according to their specialty.

Data is inserted into the database by the administrator through the developed service based web interface and then the Android application fetches that data according to the given details. This application is used as automated testing tools on the Android API to build a map for integrating Google maps to display the location of hospitals by using their coordinates.

People have to face a lot of difficulties to find information about hospitals for a variety of reasons. Therefore, the Hospital Search Application for Android Mobiles is developed to find information about hospitals and doctors in order to provide a solution for people who face difficulties when they search for such service providers and places.