

Research Google Maps API and build an application on Android

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Abstract: This topic aims to study and evaluate the effectiveness of the Google Maps API in developing mobile applications for the Android operating system. The context of the topic is defined by the necessity of mapping solutions in practice, especially in the field of positioning and navigation. The objective of the research is to build a professional map application on the Android platform to support users in finding places and reviewing information about public services such as cafes, restaurants, etc. The method is carried out by synthesizing relevant theoretical knowledge and implementing a practical application. The expected results of the topic not only demonstrate high applicability in developing map applications on Android but also contribute significantly to the development of geographic technology by maximizing the functionality of the Google Maps API.

Keywords: Google Maps API, Android, Map application development