

Building a Maplocation and route-finding application on Android

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Abstract: In the context of the increasing demand for location and navigation services in real life, this topic focuses on building a maplocation and route-finding application on the Android platform. The goal is to provide an effective technical solution to help users easily determine their location, search for places, and predict the shortest path from origin to destination. The research method includes analyzing modern technologies in the field of GPS and GIS, combined with practical implementation on the Android environment. The expected result is a powerful, convenient application that solves the problem of location and route guidance, contributing to the development of mobile technology.

Keywords: Android application, GPS positioning, Route guidance, GIS, Experimental deployment