

Research the Android operating system and build a hotel booking application.

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Abstract: In the era of rapidly developing information technology, hotel management and booking have become more convenient with the advent of mobile applications. This topic aims to analyze the structure and main functions of the Android operating system to build a mobile application that allows users to easily search, compare, and book hotels online. Through a combination of theoretical research and experimentation, the topic is expected to provide an effective technical solution to optimize the user experience in managing and selecting accommodations. This result not only contributes to diversifying services but also brings significant benefits to the tourism industry through mobile applications.

Keywords: Android operating system, hotel booking application, travel management