

Building a mobile application for searching for rental rooms and matching roommates using a similarity evaluation algorithm for ICTU students.

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Abstract: This topic focuses on building a mobile application to help students search for and allocate rental rooms efficiently. The practical context raises the issue of a lack of convenience in the process of finding and sharing accommodation among ICTU students, leading to unnecessary complications. The objective of the research is to develop a system using a similarity evaluation algorithm to optimize the room-finding process. The research method involves integrating machine learning techniques and data analysis into the mobile application, combined with experiments on a sample of ICTU students. The expected outcome of the topic is an effective system that improves the quality of life and enhances interaction among students in the ICTU community.

Keywords: Mobile application, similarity evaluation algorithm, rental rooms, ICTU students, roommate distribution