

Building a boarding house access control system using IoT and Web API

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Abstract: In the context of increasingly complex boarding house management, this topic introduces an access control system for boarding houses based on Internet of Things (IoT) technology and Web API. The goal is to address security and efficiency issues in managing residents' entry and exit. The topic will combine theoretical research with experimental implementation, focusing on designing a user-friendly interface and system integration capabilities. The expected outcome is a flexible and highly automated solution, contributing to improved housing management performance.

Keywords: IoT, Web API, Boarding house management, Security, Automation