

Building a QR code attendance software on the Android platform.

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Abstract: This topic focuses on designing and implementing a QR code-based attendance software system for mobile applications on the Android platform. Against the backdrop of increasing student management needs in educational environments, the topic aims to address the inaccuracies and delays in controlling student reception through the use of traditional attendance cards. The objective of the research is to build a stable and efficient system to automate the attendance process, enhance security through QR codes, and optimize the mobile user experience. The approach includes requirements analysis, intuitive user interface design, and application deployment as a Capstone project on the Android platform. The expected outcome of this research is to create a useful, easy-to-use solution for educational institutions and contribute to the development of mobile technology in student management.

Keywords: QR code, Android, attendance system, digital education, mobile application