

Developing the cross-platform Famer application on mobile devices

Ha Quang Minh

Abstract: In the context of the increasing demand for mobile applications to provide agricultural information, this study focuses on developing a cross-platform application called Famer. The study aims to address the lack of consistency and efficiency in sharing agricultural knowledge and resources via mobile devices. The objective is to build a cross-platform agricultural information system that supports farmers and relevant stakeholders in the agricultural sector by providing weather data, market prices, technical farming guidance, and a community networking platform. The research methodology includes integrating APIs from online news sources, conducting experiments on iOS and Android mobile devices, and evaluating the application's performance through user surveys. The expected results will provide a suitable technological solution to enhance agricultural productivity and decision-making.

Keywords: Cross-platform application, Famer, Mobile agriculture, API, Mobile device