Title: FixDC: A Cross-Platform Hybrid Mobile Application for Reporting Local Environment and Public Work Issues Using Apache Cordova and Ionic Framework

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EXECUTIVE SUMMARY

Effective engagement system between local government agencies and its citizens is becoming increasingly important factors for the development and the progression of a city to become a better living place. With that at hand, this study aims to improve and innovate the way of citizens to inform the government of Davao City about the problems, issues and concerns around the community specifically in related to the environment and public works by utilizing our current latest mobile technologies. This study aims to provide a better way in accommodating large scale of mobile users regardless of what platform they are using whether Android, iOS or Windows devices. With this objective, it will provide an effective way in providing the system into different kinds of mobile users in the city.

This study will implement a cross-platform and hybrid mobile application in which the citizens can efficiently report their concerns on their neighborhood into different maintenance department in the local government. This can be approached by utilizing the web technologies that are currently available in our technology today such as HTML, CSS and JavaScript instead of using a native programming language in developing a mobile application. With this approach, the development would be much more easy, efficient, lessens the development process and to provide a much better cost-effective factor that can be applied into different organization.

As mobile technology is becoming more relevant and with its massive increase of users on our current period, the researchers strongly believe that an implementation and effective utilization of the mobile technology in innovating information system in the community would be a great tool to provide a much better service and information system flow between different community's important components; the citizens and the government

Keywords: FixDC, Hybrid Mobile Application, Environment and Public Works Issue