Universiti Teknologi MARA

Crime Tracker Mobile Application

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ABSTRACT

The crime rates in the area of Bukit Jelutong are increasing in numbers and are becoming a concern to the Bukit Jelutong residents. The Crime Tracker Mobile Application was proposed in order to help reduce the crime rates and benefit the residents of Bukit Jelutong. At the moment, there is no mobile application that uses a GPS as a locator to pinpoint and display the places of crime specifically around the area of Bukit Jelutong, Shah Alam. Thus, developing this Crime Tracker Mobile Application can help a lot of people living in this town, who are concern with the safety of themselves whenever they are alone be it by walking or driving a car. This mobile app can be used by the residents of Bukit Jelutong to view the latest crime reports that are happening around town and also the Bukit Jelutong Residents Associations (BJRA) committees. The BJRA committees act as admin and they can also submit and verify whether the crime reports submitted by the user true or false. In order to develop this mobile app, the principles of human-computer interaction (HCI) were used and the Rapid Application Development (RAD) methodology was applied. The user first evaluated the first design and the second design were enhanced based on the user's evaluation. Based on the technique of comparing the existing mobile apps and user testing, a fully developed and functionally working Crime Tracker Mobile Application was successfully developed. The recommendations suggested for future development would be the feature that allows the user to upload pictures of crime to the mobile app and hopefully this app can be used for locations that are outside of Bukit Jelutong.

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CHAPTER 1

INTRODUCTION

The first chapter covers all of the following aspects such as the background of study, problem statement, research questions, and objectives of project, scope of project and significance of the project. The background of study describes the review of the area that is discussed in this research. The problem statement is the states the current issue that needs to be addressed and solved. The objective of this project is the steps that are taken in order to achieve the aim. The scope of the project states the goals that need to be met with the objectives of the project to achieve the desired result. The significance of study is a description of the project's significance, its benefits and its impact.

1.1   Background of Study

Crime is considered a crime when it "occurs when someone breaks the law by an overt act, omission or neglect that can result in punishment. A person who has violated a law, or has breached a rule, is said to have committed a criminal offense" (Montaldo, 2012). According to a UK website, crime can be broken down into many types such as knife crime, drugs, film and music piracy, rape and sexual assault, anti-social behaviour, gun crime, hate crime, and domestic violence (NiDirect Govt. Services, 2014).