

Software Development for Mobile Devices

Submission for Assignment A8.2D

Rationale

The rapidly development of mobile application recently has led to the number of Android application emerges in app store. Therefore, the need for a good architecture which easy to extend and maintain application effectively and efficiently. With the purpose to understand in depth the strength and limitation in MVC, MVP and MVVM when applying in Android application, the research paper will evaluate these two architectures to find out the better architecture in terms of reusability, extension and maintenance.

Research Plan

In order to perform a research, the paper will briefly introduce the way to apply MVC, MVP and MVVM in Android application. Then the research will address the strength and limitation of those architectures. Thereafter, the paper will analyse and compare those architectures with regards to reusability, extension and maintenance. Based on the analysis, the research will identify the most appropriate design architectures in Android application in specific situation.