**Onetech Asia Project Management Tools Mobile Application**

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**Contextual Report**

**COMP1682 Final Year Project**

**Programme Title, e.g. BSc Computer Science or BSc Computing**

**Due date: November 30th 2020**

**Word count:**

**Abstract**

This is where you succinctly describe your project, the context of and interest in your project, your approach to your project and your progress to date using somewhere between 60 and 120 words. This is much easier to write after you have written the rest of this report.

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# Introduction

## Background

After 6 months of working as a QC (Quality Control) engineer at Onetech Asia, I have realized that there are lots of deficiency issues in our current usage project management tools and task management functions are limited. It is required a high cost and long-term subscription in order to activate all the necessary features and reach the highest performance. Moreover, the back-end service for those tools and application are often setup in another country such as Singapore, Malaysia, Philippines, etc. that make the internet connection become one of the problems that affect our projects business performance. It also put our security at risk of unexpected data leaking, mining or scrapping. For all of those reason, I decide to process my own research to figure out how to create an effective and high-performance project management application that my company can fully control the features and host the back-end server and database on our own with using any third-party tools or applications.

## Aims and objectives

For this research, I’m about to

## Approach

Again, you have already discussed this in your proposal but you may wish to restate this now that you are older and wiser. The key here is to realistically describe your approach and avoid regurgitating tedious guff about DSDM or some other branded ‘methodology’ when your approach is truthfully just making it up as you go along and keeping your fingers crossed.

**2.4 Suitability of a methodology or a framework**

# Literature Review

## Approach to literature searching

Discuss where you have looked and what you have looked for.

## Identifying the problem

This will hopefully expand what you have looked for into what you have found

## Another Section

.

## Yet Another Section

.

## Conclusions

What are you taking forward from this? How is this going to influence what you are going to do next?

# Product Research

## Comparing of similar products or platforms against a set criteria for Usability purpose.

# Requirements

## Analysis of requirements

In this project there are of….

## Comparison of systems

For some projects there may be similar existing systems. This would be a good place to identify these, compare them and elicit requirements from them.

## Requirements elicitation

Perhaps you have conducted some actual research with questionnaires and interviews and such like (having obtained research ethics clearance of course). This would be a good place to discuss this.

## Functional requirements

A clear statement of functional requirements is the starting point for your design. Without this you will look foolish.

## Non-functional requirements

Clear statement of non-functional requirements. It may be an idea here to refer back to your earlier LSEPi section as compliance is likely to (and should) be an important aspect here.

# Design

Describe your approach to design. If perhaps you are using UML use-case notation then the line between requirements and design starts to blur (Šilingas & Butleris, 2015). Other UML notation is however part of the design process, but perhaps overlaps with testing.

# Prototype

Describe your approach to creating your first (and second and third) prototype(s).

## Review of technology

If you need to review technologies this is perhaps the place to do it. Perhaps you need a data base, in which case state what database engines have you considered, which have you decided to use and for what reason. Perhaps you need an app, in which case you could, for example, state which development frameworks are available, compare and contrast all, select 3 for detailed comparison, choose one and state why you have made this choice.

# Reflection

Wrap the whole thing up with some conclusions. A reflective approach is increasingly popular but many students struggle with introducing a critical personal perspective (Day, 2013).

# Bibliography

Day, T. (2013). *Success in Academic Writing.* Palgrave.

Portocarrero, J. M., Delicato, F. C., Pires, P. F., Gámez, N., Fuentes, L., Ludovino, D., & Ferreira, P. (2014). Autonomic Wireless Sensor Networks: A Systematic Literature Review. *Journal of Sensors*.

Rudestam, K. E., & Newton, R. R. (2007). *Surviving Your Dissertation: A Comprehensive Guide to Content and Process* (3rd ed.). SAGE.

Šilingas, D., & Butleris, R. (2015). Towards implementing a framework for modeling software requirements in MagicDraw UML. *Information Technology and Control, 38*(2).