

# Mobile Applications Development - ToDoApp

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## 1 Introduction

This report is for the module Mobile Applications Development (SET08114). The aim of my coursework is to design and implement a mobile application, using the program android studio. My application that i have chosen to design and implement was my take on a 'to do list'. The application is a very simple yet effective design for taking simple day to day tasks and reminders.

## 2 Software Design

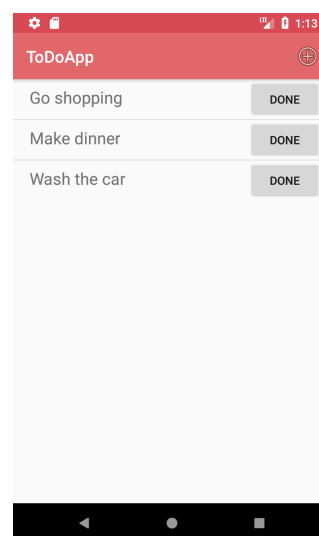
For my software design and the idea of my app, i started by sketching some ideas down of what app i was going to design. I had several ideas for my original app, a local delivery app, a notepad app, a calculator and my to do list app. I had originally wanted to design the local delivery application and came up with lots of ideas and sketches but due not managing my time wisely i didn't think it was achievable after planning how it much work it would take. That's why i decided to keep my software simple and design a To Do app.

after i had sketched a few ideas of how i wanted my to do application to look like i then started designing them on a website called wireframe.cc, where i basically copied my sketches best i could into digital wire frames. I tried to keep the application simple for the user with not much clutter.

Below is the final wire frame design that i designed my actual final application to look like.

ToDoApp	
TASK 1	DONE
TASK 2	DONE
TASK 3	DONE
TASK 4	DONE
TASK 5	DONE
TASK 6	DONE

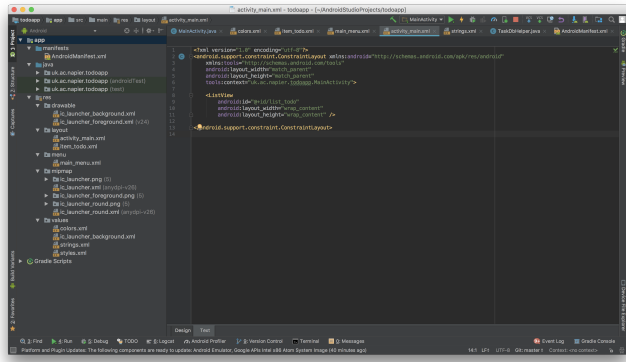
The image below is what my final application looks like after being built in android studio. It was designed to look like my sketches and wire frames. I chose to put the action bar colour as red as it symbolises emergency, it is striking to the user and remembers them to do what ever it was that they needed to do.



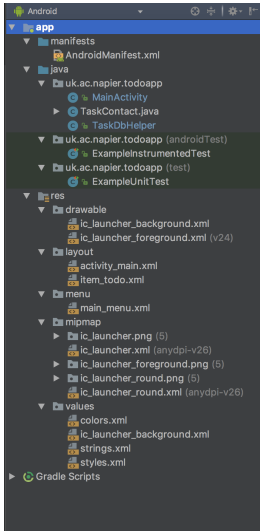
## 3 Implementation

My implementation process included working from my wire-frames and sketches, working out what looked best and what would work the best. i altered and switched ideas and sketches until i felt comfortable as a user. I insured that i was happy with all aspects of my design. After i had decided on my design and what i wanted the app to look like, i went ahead and started to build the application using Android Studio for mac. I used java on android studio. Below i have attached an image of my mainactivity.xml code and also a picture of all the files and folders that were used withing android studio to create my To Do Application.

Screen-shot of the mainactivity.xml -



screen-shot of all the files -



## 4 Critical Evaluation

For my critical evaluation i asked friends, family and university peers to test and evaluate my mobile application to see if they liked it and if it served its purpose or not. In general they all liked the app and the way it worked, although they thought it was very simplistic and lacks functionality. which is understandable. I asked the question if the app served the purpose and everyone agreed for a to do app that it works well enough. some said they would use it and other said they like to do apps with more personalisation. Which is something i would take into consideration if i had managed my time better. They said the colours of the app was nice enough not, very readable and they liked the way that the red popped out to grab their attention.

## 5 Personal Evaluation

in my personal evaluation, i think i done an okay job but i know i could do a lot better. I don't think the app reached the standard i was hoping for and i have a lot more learning to do with android studio and mobile app development. For this module i had the idea of building an app for local takeaway deliveries such as scoffable or just eat, and make my own version. i didn't realise how much work was needed to build such an app. So i wasted half my

time trying to build that app then ended up changing late on.

The app does its main purpose well which is to make a to do list. but it lacks functionality and personalised features. Like being able to edit the note once it has been made, or to put them in pacific order, like in certain times etc. The app is very simplistic which in ways i do like, but i think personally i could have done much better. The colours and design of the app are nothing special but it was what i was looking for, not cluttered and easy to use and read. One thing i need to get better at is my time management and learning how long i should spend on each activity. This module has been a major learning curve and hopefully i can gain knowledge and better myself the more and more i build applications as this is my first app i have actually built that works on an android.