

Coursework Report

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1 Introduction

WorkoutNotes is a handy app to keep track of your progress, have easy access to your workouts, and to be used as a planner. It allows easy change to workout structure and is ideal for newbies to the gym. My inspiration was to have a single app which helps me plan, record, and compare my workouts. Usually is very difficult to write down everything since there are many variables. The goal of the app was to simplify this process.

2 Software Design

The software is designed around a Singleton class Records which holds the list of all compiled workouts and existing exercises.

The two entities are workout and exercise, each of which is stored in a list. This list then used as a static record so there are no duplicates.

There are also few adapter classes in order to have more organized code. They are used for few list views.

3 Critical Evaluation

I didn't manage to implement a lot of the features due to time constrain. Some of those are documentation of the workout progress, comparison between workouts, statistics graph, useful gadgets such as chronometer and automated time track for between sets etc.

Aside of the lack of time, I used Kotlin which was brand new to me. Even though it is easier to write in, it is much more counter intuitive to me. That probably took quite a few of my limited hours. Perhaps next time I should work with Java as I am more familiar with it.

One of the biggest flaws of my project was definitely the lack of clear goal and software design before I started to code. That lead to many many alterations, loss of time and even some unresolved problems. One of which is that I didn't manage to get my serialization to load properly.

I am really dissatisfied with the result and would definitely take away with me that I should spend more time on the design and planing of my next projects.