

G54MDP Assessed Exercises

1: The Reminders

Introduction

In this exercise, you are to create a simple Android app that enables the user to store reminders against a specific date. This is an assessed exercise and will account for 10% of your final mark (there will be two assessed exercises that together form 25% of your final mark—the remaining marks coming from the group project and the exam).

This exercise is due in at 23:59 on 20th March, and your application should be submitted as a `.zip` or `.tar.gz` file via the School's `submit` system. Details about how to use `submit` can be found at <http://support.cs.nott.ac.uk/coursework/cwstud/> or see one of us in the lab. Please note that your submission should be your own work and that plagiarism of other people's solutions (be they fellow students, or found on the web) is unacceptable.

Specification

Your app should allow the user to store simple reminders against a specific date. There maybe multiple reminders for a specific date.

When the app is first run it should open an `Activity` that displays the details of any reminders for the current day (if any). If there are no reminders for that day then the app should show the message 'No notes for this day'. To simplify things, you can limit your app to displaying just three reminders, but if you want to be adventurous you can attempt to make use of a `ScrollView` to display more.

Additionally, on the screen there should be buttons to perform the following options:

- **Today**
Move back to the current day's reminders.
- **Next**
Advance to the next day's reminders. Note there should be a display of the date for the reminders somewhere in the `Activity`.

Finally, there should also be an **Add** button, that takes the user to *another* `Activity` where they can enter the details for a new reminder. This should allow the user to enter the date for the reminder (initially filled with the date on the home `Activity`, but the user should be able to change it if they wish), and also some free text to be displayed as the reminder.

Please note, that this is an exercise in Android programming, not Database programming so don't get hung up on writing hugely complicated SQL queries—all that is needed is the bare minimum to get the functionality working. If you are struggling grouping each day's reminders in your SQL statements then limit your app to just handling one reminder per day and display it three times. You may also want to look at using `java.util.GregorianCalendar` in your app to handle dates.