# Learning Diary

Software Development Skills: Mobile

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### **15/07/2025**

I started by reading the course description carefully and outlining how I would approach the tasks throughout the course. Since I already had some experience with Android Studio, I decided to use this opportunity to improve my project organization and UI design skills. I planned to organize all my exercises in a single GitHub repository for clarity and structure.

### **15/07/2025**

I briefly watched the intro video, skipping the parts about installing Android Studio as I already had it set up. I created a new GitHub repository dedicated to the coursework and prepared the folder structure for uploading each exercise clearly.

### **25/07/2025**

I followed the first video tutorial to build a basic calculator app that adds two numbers together. This helped refresh my knowledge of using EditText, Button, and TextView, and how to implement button click events in Java. It was a great way to re-familiarize myself with Android layout handling and Java logic. I committed the work under the Exercise folder.

### **25/07/2025**

I moved on to the Core Elements part 2 tutorial, which focused on Intent usage and navigating between activities. Although I had done this before, it was useful to practice passing data with putExtra, and using Intent.ACTION\_VIEW to open a browser via a button press. Everything worked smoothly after testing, and I committed the finished app under the Exercise2 folder.

26/07/2025

I completed Exercise 3 by following the Lists, Layouts, and Images tutorial. I decided to build a small fruit information app that displays a list of three fruits: **passionfruit**, **guava**, and **banana**. I used RecyclerView to list the fruit names, and when the user taps a fruit, a new activity opens showing an image of the selected fruit along with a short fact or description about it.

27/07/2025

For the course project, I built a **Workout Tracker** app. The idea was to create a simple tool where users can log workouts by choosing the **date**, **type of workout**, **duration**, and **comments**. I wanted to apply what I learned in Android development while making something personally useful.

**29/07/2025**

I implemented a clean UI with input fields and a date picker. Saved workouts appear in a RecyclerView on the main screen. I also added a summary view that shows total workouts, duration, and the latest session. After testing and improving the layout, I pushed the project into the Project folder in my course GitHub repository.