



Mobile App Development 2

Study diary

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# Week exercises

## Android BMI App

<https://github.com/jaakko13/mobileAppDev2/tree/master/1.1BmiApp>

No real challenges in this work. Very simple introductory assignment.

## Android Weather App GUI

<https://github.com/jaakko13/mobileAppDev2/tree/master/12_weatherAppGUI>

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/location"  
 android:textSize="24dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="164dp"  
 android:layout\_marginTop="98dp"  
 android:text="Tampere"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
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 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="168dp"  
 android:layout\_marginTop="128dp"  
 android:text="Location"  
 android:textSize="16dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/temperature"  
 android:textSize="24dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="164dp"  
 android:layout\_marginTop="64dp"  
 android:text="10 Celsius"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/location" />  
  
 <TextView  
 android:id="@+id/temperatureText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="164dp"  
 android:layout\_marginTop="96dp"  
 android:text="Temperature"  
 android:textSize="16dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/location" />  
  
 <TextView  
 android:id="@+id/percipitationText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="56dp"  
 android:layout\_marginTop="212dp"  
 android:text="Percipitation"  
 android:textSize="16dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/location" />  
  
 <TextView  
 android:id="@+id/HumidityText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="240dp"  
 android:layout\_marginTop="212dp"  
 android:text="Humidity"  
 android:textSize="16dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/location" />  
  
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 android:layout\_marginBottom="165dp"  
 android:text="80 Percent"  
 android:textSize="24dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/button"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
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 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="56dp"  
 android:layout\_marginBottom="164dp"  
 android:text="10 Percent"  
 android:textSize="24dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/button"  
 app:layout\_constraintEnd\_toEndOf="parent" />  
  
 <Button  
 android:id="@+id/addLocationButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="158dp"  
 android:layout\_marginEnd="159dp"  
 android:layout\_marginBottom="174dp"  
 android:text="Add Location"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
 <Button  
 android:id="@+id/refreshButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="75dp"  
 android:layout\_marginTop="98dp"  
 android:layout\_marginEnd="16dp"  
 android:text="Refresh"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/location"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

Again pretty simple introductory assignment.

# Week excercises

Raportoidaan tähän ensimmäisen viikon mallin mukaan siten, että oppimispäiväkirja kehittyy kurssin edetessä

# Week exercises

# Week exercises

# Week exercises

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# Week exercises

# Final project (not mandatory but required for best grades)

Sources used with exercises

List here the possible sources you’ve used with exercises (e.g. stackoverflow, tutorialspoint, github etc.)