Work Plan #04

IT University of Copenhagen (ITU)
Mobile App Development, BSc. (MOAPD)
(Spring 2024)

February 20, 2024 – February 26, 2024

Mandatory Reading

1. Read Chapter 9 (*Fragments*) and Chapter 13 (*Fragment Navigation*) of the Textbook #01 (*Android Programming – The Big Nerd Ranch Guide*)

2. Read the sections on Android Developer website about:

   - *Material Design*: `https://developer.android.com/develop/ui/views/theming/look-and-feel`

   - *Fragments*: `https://developer.android.com/guide/components/fragments`

   - *ListView*: `https://developer.android.com/reference/android/widget/ListView`

   - *Adapter*: `https://developer.android.com/reference/android/widget/Adapter`

   The Android Developer website provides numerous helpful code snippets, though some need complete examples. To access comprehensive illustrations, you can explore various resources on the Internet. For instance, the following link offers a full Android app featuring a scrollable list built on `ListView` and `ArrayAdapter`: `https://guides.codepath.com/android/Using-an-ArrayAdapter-with-ListView`.

Optional Homework

3. Carefully examine the code from the project introduced in Chapter 9, focusing on (*Fragments*).

Main Exercise

4. Create the CopenhagenBuzz app V4 by following the guidelines outlined in the document "Exercise #04.pdf," accessible in the "Lecture #04 (Advanced User Interfaces Components)" section on learnIT.

Challenges   For this week include tackling one design challenge and one technology challenge:

Design challenge: Enhance the layout to present a visually appealing the list of events in `TimelineFragment` .

Technology challenge: Revise the list of events in `TimelineFragment` to make each item clickable. Upon clicking an item, trigger a specific action, such as displaying event information/description in a dialog.