

Mobile Computing (2h, KV)  
WS 2019/20

# **MOBILE APP DEVELOPMENT**

*Design of a Mobile App*

*Break-out Session*

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# Break-out Session

## In-class Assignment

**Analyze the design of an existing mobile app answering the following questions** (looking at the interfaces and descriptions, installing the apps is not mandatory, but it may help to answer the questions) – try to be critical (e.g., pros and cons of the app)

- Who is “the **user**”?
- **Purpose** and general **category** of the app? In which **situations** will the app be used? What are the **functions** of the app?
- How is the **input / output** realized? List **user interface elements** you detect!
- Is the app **context-aware**? Which sensors are used?
- Does the app use a **wireless network**? Which?
- Name one property of the app you think is **most special and attractive**?
- How does the app **make money**? (Fee, in-app ads, in-app purchases, sponsorship, ...)

**Create a text document** (and upload through Moodle) with following structure:

- Front page: Team members, lecture title, lecturer, title: “Analysis of apps xxxx, yyyy, ...”
- Summarize the analysis (see above)

# Chose One App (1)

## Option 1

If you are already sure about your project, search for **apps similar to your envisioned app** and analyse (at least) one of them – you may use your insights then in the presentation next week.

## Chose One App (2)

### Option 2:

Choose one of the following apps:

#### 1. Runtastic

- Adidas Running by Runtastic

<https://play.google.com/store/apps/details?id=com.runtastic.android&hl=en>

#### 2. Timely Alarm Clock

<https://play.google.com/store/apps/details?id=ch.bitspin.timely&hl=en>

#### 3. Pokémon Go

<https://play.google.com/store/apps/details?id=com.nianticlabs.pokemongo&hl=en>



## Chose One App (3)

### 4. Uber

<https://play.google.com/store/apps/details?id=com.ubercab&hl=en>

### 5. Peak Lense

<https://play.google.com/store/apps/details?id=com.peaklens.ar&hl=en>

### 6. Ingress

- <https://play.google.com/store/apps/details?id=com.nianticproject.ingress&hl=en>



## Chose One App (4)

### 7. Guitar Tuner free

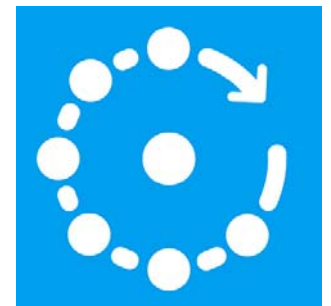
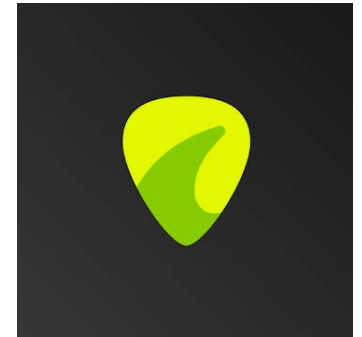
<https://play.google.com/store/apps/details?id=com.ovelin.guitartuna&hl=en>

### 8. mySugr Diabetes App

<https://play.google.com/store/apps/details?id=com.mysugr.android.companion&hl=en>

### 9. Fing – Network Tools (who's on my Wi-Fi?)

<https://play.google.com/store/apps/details?id=com.overlook.android.fing&hl=en>



## Chose One App (5)

### 10. FireChat: peer-to-peer chat (circumvent censorship)

<https://play.google.com/store/apps/details?id=com.opengarden.firechat&hl=en>

### 11. Calorie Counter

<https://play.google.com/store/apps/details?id=com.myfitnesspal.android&hl=en>

### 12. My Green Footprint

<https://play.google.com/store/apps/details?id=com.mygreenfootprint&hl=en>



My Green Footprint®

