Sprint 2
24/01/19

Final Submission and Presentations

- The final presentations will be during the last week of the semester. (Apparently, 22.01 and 23.01). In the day of the presentation the application needs to be ready.
- The presentation should include... a presentation:
  o Introduction to your app and the problem it solves.
  o External tools - we expect to see a brief of Firebase tools you use.
  o Features you implemented during the semester
  o Future plans - what would you like to do if you will have one more sprint
- On 24/01/19 your application and code will be checked again (after the fair), so you'll have some time to fix bugs and work on WIKI and README, tests.

Few remarks following sprint1 submissions

- **Stability**: Make sure you handle cases where you have bad, weak or even no internet connection. You should provide some reasonable handling of such cases and definitely shouldn't crash.
- **User Indications**: Make sure you display progress and other indications to the user when there is an ongoing asynchronous action.
- **Design**: The design of your app has a great influence on your grade (see grading key for submissions published at the beginning of the semester)

Requirements

1. **Code**: OOP convention, designed and commented well code. Design the components together before you implement them.
2. **Testing**: Make some testing for your app:
   a. UI testing - Espresso
   b. Backend testing - integration - Roboelectric
   c. Logic testing - mocks and stubs are your best friends here
3. **UI and UX**: Understandable and user-friendly UI. Use material design principles you learned on lectures.
4. **Play Store**: You should update your app in Play Store during the sprint and make a production (stable) release for the project fair and final submission.
5. **User Testing**: Share your app with your friends and families, ask them to give you feedback and report for any crashes and problems they have. This is the most efficient way to check your app and we expect you to do it.
6. **Documentation**: WIKI and README. Try to make them understandable. You need to write them for other programmers and users. What will they need to know about your app?
Projects fair

On 22/01/19, 12:30 - 14:30, you'll be presenting your apps to the audience in a project fair. Each team will have a station with their poster and guests will walk around and visit the stations.
Please attend earlier at ~12:00 to set up your station and make sure everything works. Make sure to fix all the bugs before the presentation. You don't want your app to crash while you're showing it to somebody. Rest assured that you'll find new bugs during the presentation so you'll have till Thursday to fix those.
If you have any questions during the fair you can ask Ron or David for help.

Posters submission

As we already published, we uploaded to ‘Assignments’ section a poster template. You need to submit it until 03/01/19. Please use only free images/icons from web.

Useful Links

- **Getting started with Cloud Functions:**
  [https://firebase.google.com/docs/functions/](https://firebase.google.com/docs/functions/)

- **Getting started with Cloud Messaging:**
  [https://firebase.google.com/docs/cloud-messaging/](https://firebase.google.com/docs/cloud-messaging/)

- **Firebase Adapters:** You can use Firebase ready-to-use list adapters:

- **Firebase Cloud Messaging (Push Notifications) and Cloud Functions example:**
  [https://github.com/firebase/functions-samples/tree/1ed114a654080a07f9a55baf194b4324b4065964/fcm-notifications](https://github.com/firebase/functions-samples/tree/1ed114a654080a07f9a55baf194b4324b4065964/fcm-notifications)

*Good Luck!*