

Project 3

Project Team and Description Due – November 18, 2021 at 11:59pm

Project Presentations – December 9, 2021

Project Due – December 9, 2021 at 10:00am

Programming Project (80 points)

For project 3, you can define your own custom Android app.

The only requirement for the app is:

Your app must include a data source, a RecyclerView and two or more activities. If you have an idea for an app that does not include these things, it must include a technology not covered in class and it must be approved by the Instructor. This project is an opportunity for you to take the skills we've learned in class, build on them and create an app that interests you and your team.

The app should include a data source. Many free APIs can be found by doing a google search for free APIs. If you'd like your app to use a database, there is a codelab that goes through the steps of setting up and using a simple database in an app - <https://developer.android.com/codelabs/android-training-livedata-viewmodel?index=..%2F..%2Fandroid-training#0> Note: If you use a database the app does not need to use a RecyclerView unless you would like to.

You can choose to work in groups of up to 3 people.

Part 1: Project Description and Team Members

Please submit a short description of your app including the planned technologies that will be used in the app. Also include the team members and who will be responsible for what. This will be graded as P/F and is due on Thursday, November 18 at 11:59m. Everyone in the group should submit the description so I know everyone is in a group and has a project.

GitHub, Documentation, and Demo (20 points)

You should collaborate with your team using a github repository. One member of the team should create a new github repository to store the final project. Make sure to add all teammates as collaborators.

In addition to your code, submit a 1 page summary.pdf file – this should contain the name and description of your project, the actual work breakdown (who did what), a link to your project and a link to your github repository.

All teams will do a short demo (5 - 10 minutes) of their project on December 9th.

Grading Criteria

75% for functionality – the app includes a data source, a RecyclerView and at least two activities or includes a new technology as described above. The site works as described without any errors.

15% for documentation and demo.

10% for git/github usage – Did you use git well? Do you have good commit messages?

Submission Instructions

Have one person per group create a zip file containing all the code. To Blackboard, submit:

1. The zip file.
2. summary.pdf – make sure this is separate and not in the zip file. This way we can view the summary in Blackboard and don't have to unzip the code unless necessary.
3. Put a link to the github team repository in the comments section on Blackboard.