

Lab on apps development for tablets, smartphones and smartwatches

How to use git for your final projects

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Gitlab Account

- Sign in to Gitlab with Tequila:
 - gitlab.epfl.ch
- Update your profile if it is necessary.
- Ask us to add you to the course's group in Gitlab.

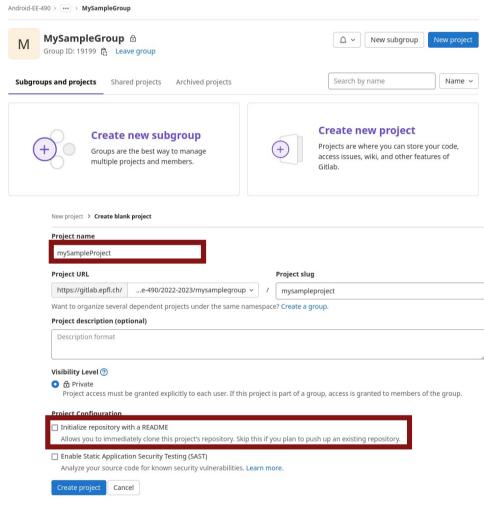




Inside your Gitlab group, create a new blank project.

- Assign a name for your project
 - 1-A_Heart-RateGame
 - 1-B_Image-Hunt
 - •
- Uncheck the "initialization with a Readme" checkbox.

Create your project





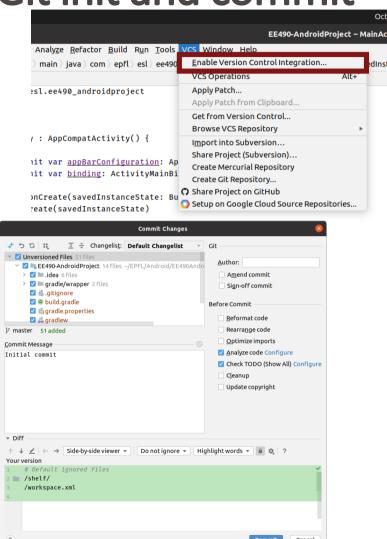
Init:

- Initialize version control system (VCS) with git:
 - VCS ->
 Enable Version Control Integration -> git

Commit:

- Git -> Commit... -> Commit Changes
- Select all the files and write the Commit Message and then Commit

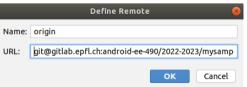
Git init and commit





In your Gitlab project page:

- Copy the Clone link with SSH
- In Android Studio:
 - Git -> Manage Remotes
 - Define a remote as "origin"
 - Paste the URL from Gitlab



Set git remotes

The repository for this project is empty

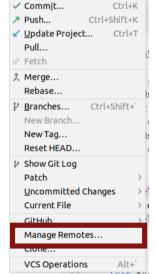
Visual Studio Code (HTTPS)

Intellil IDEA (SSH)

Intellij IDEA (HTTPS)

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You can get started by cloning the repository or start adding files to it with one o



Window Help

EPFL

Git SSH key

 If you already have an SSH key connected to your Gitlab account, skip this step.

Follow this link to generate an SSH key in your system a nd connect it with your Gitlab account:

https://docs.gitlab.com/ee/user/ssh.html

• The procedure is different for each OS → Ask us if you have problems



Git branch, commit, and push

- When your Android Studio is connected to Gitlab,
- Create your branch in Android Studio by:
 - Git -> New branch... -> put your name as the new branch name
- For every important changes in the code use Git -> commit
 - Use meaningful commit messages
 - Use commit frequently
- Push your changes to the remote by Git -> Push...



Git fetch and merge

 When your friend pushes his/her code, you can have access to the code by fetching the code from the origin. Use Git -> Fetch.

• If you want to use their code, you should merge their code with yours. But pay attention to (probable) conflicts!

Ask us if you need help with git commands!

