

EECS 2311

Software Development Project

Click to edit Master text styles

Second level

Third level

Fourth level

Fifth level

January 13, 2021

All group members

- Open Eclipse
- Go to Preferences → Version Control (Team) → Git → Configuration
- Click Add Entry, add the pair [**user.name**, your name]
- Click Add Entry, add the pair [**user.email**, your email]
- These **must** be the same as the ones used at github.com
- Click Apply, then OK

Once per group

- Sign in to one group member's github account
- Create a new repository
 - Do not add a README file or .gitignore at this point
- Copy the URL to access your repository
- Click on Settings → Manage Access and add the remaining group members as collaborators
- Your group repository is ready to receive the first version of your software

Once per group

- In Eclipse, click on File → New → Project...
- Select Gradle Project, and click Next
- Name your project **TAB2MXL**, and click Finish
 - The project is now created
- Delete the sample code produced in `src/main/java` and `src/test/java`

Once per group

- Under `src/main/java`, create a package called `tab2mx1` containing a class called `Main`
- Add a `main` method to the `Main` class, that prints something to the console
- If necessary, configure the Build Path of your project so it compiles

Once per group

- Right-click on the TAB2MXL project
- Select Team → Share Project...
- Click on Create...
- Provide a name for your local repository, and click Finish
- Note that the location of the project will change
- Click Finish
- Your **local** repository is now set up

Once per group

- Right-click on the TAB2MXL project, then select Team → Commit...
- Add a commit message
 - It is important that you add a meaningful message every time you commit, makes it much easier to find a version later
- Select all files, click on plus sign to stage them
- Click Commit
- The first version of your software has been added to the local repository

Once per group

- Right-click on the TAB2MXL project, select Team → Remote → Push...
- Copy the URL from github.com in the URI field
- Enter your github.com username and password, click Next
- Click on Add All Branches Spec
- Click Finish, then Close
- You should be able to see the TAB2MXL project in github.com

Remaining group members

- Go to File → Import → Git → Projects from Git
- Click Next, select Clone URI, click Next
- Copy the URL of your repository from github.com on the URI field
- Keep clicking Next, and finally Finish
- For `.classpath` and `.settings`: Right-click and Replace With → Head Revision
- You now have a copy of the project in your local repository

Push

- Make some changes to any of the classes in the project
- Rightclick on any element that has changes (could be the whole project), and select Team → Commit
- Add a commit message
- If you do not want to publish the changes yet, click Commit
- If they are ready to be published, click Commit and Push

Pull

- To get changes published by other group members, right-click on the project, and select Team → Pull
- **Before starting to make changes to the code, it is important to Pull, so that you are working on the latest version**