UNIVERSITY OF PADOVA
DEPARTMENT OF INFORMATION ENGINEERING

Biomedical Wearable Technologies
for Healthcare and Wellbeing

Project Guidelines

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Giacomo Cappon

DEPARTMENT OF
INFORMATION
ENGINEERING

UNIVERSITY OF PADOVA

Outline

➢ **Project delivery instructions**

➢ Project presentation guidelines

General info

➢ In the following, we reported the instructions on how to deliver your project. In a nutshell, you must prepare and submit a **.pdf file** containing
  - the number of your group and the name of each group participant
  - the link to a public GitHub repository containing a "valid" version of the code

➢ Since the project must be delivered through GitHub, code delivered via mail will be ignored

➢ "Valid" code must be in the **master** (or **main**) **branch** and must have been committed no later than the **15th of July**, and no later than **3 days before the project discussion date**.

Example scenario

➢ "I belong to Group 50 composed by me, Martina Vettoretti, and Luca Cossu"

➢ "My code is located in my public repository named bwthw"

Step 1: Fill the group info

➤ Create a .docx file

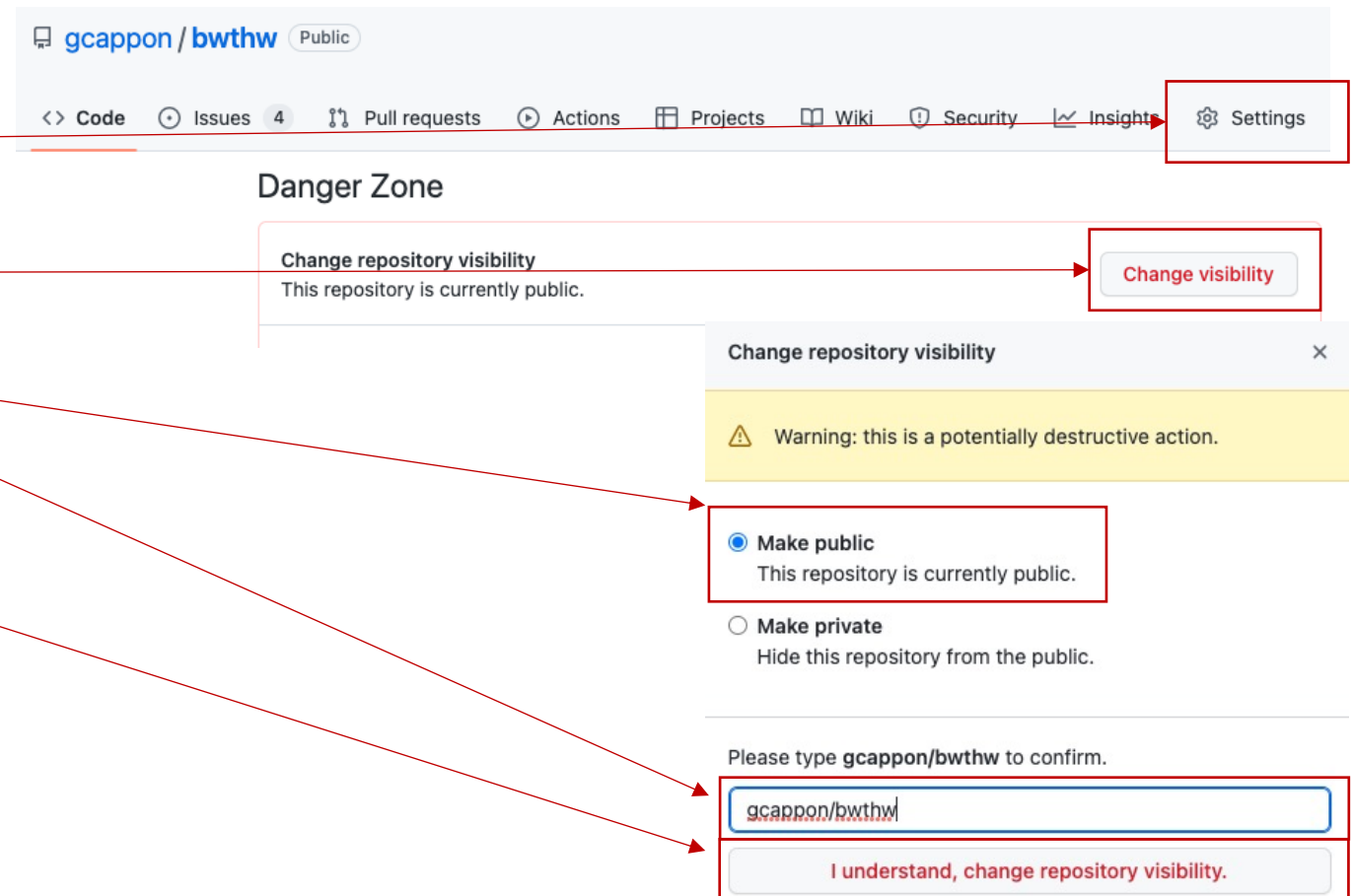➤ Fill the group info at the very top of the file, e.g.:

Group 50

Group members:

ID	Name	Mail
1234567	Giacomo Cappon	giacomo.cappon@unipd.it
1234568	Martina Vettoretti	martina.vettoretti@unipd.it
1234569	Luca Cossu	luca.cossu@phd.unipd.it

Step 2: Make your repository public

➤ First, make sure your repository is public. This is true if, in GitHub, a "public" label is present near your repo name: 🖳 **gcappon** / **bwthw** `Public`

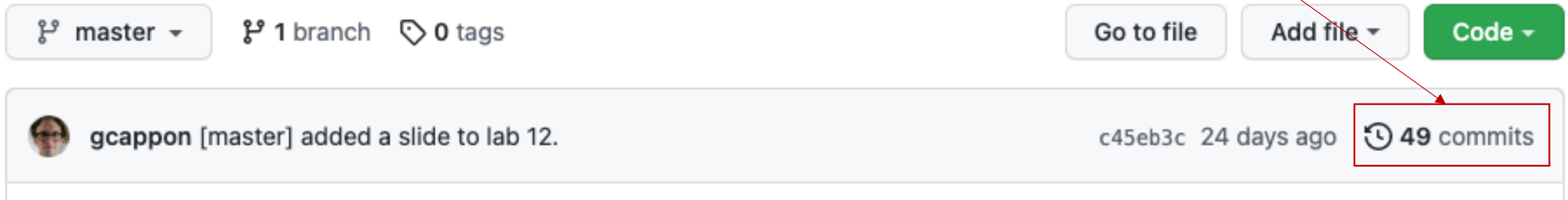➤ If, instead, the label says "private", follow these steps to make it public:

- Go to "Settings"
- Scroll down till the "Danger Zone"
- Click on "Change visibility"
- Select "Make public"
- Type the name of the repo to confirm
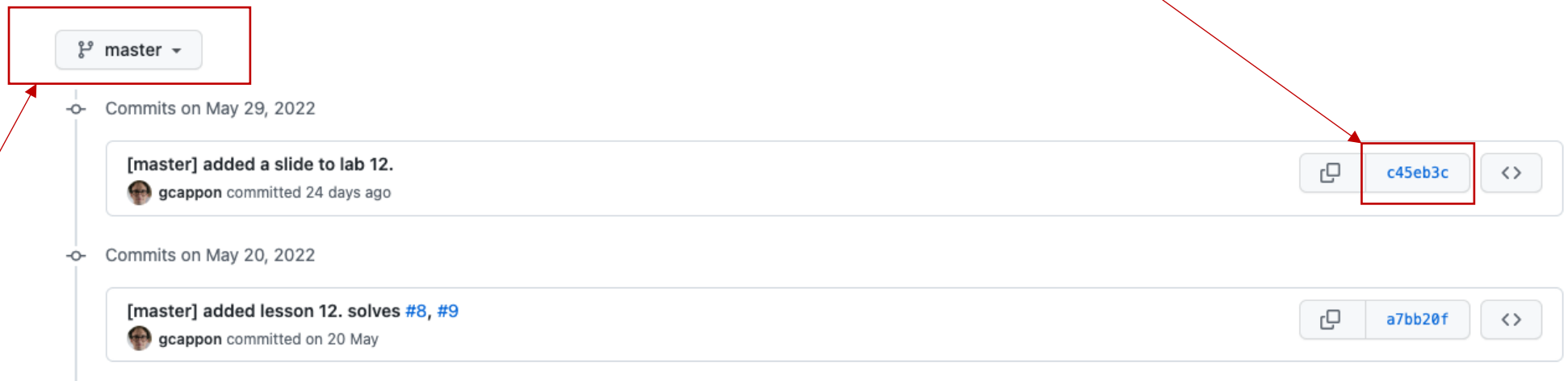- Click on the button

Step 3: Locate the link to a valid code version

➢ From the home page of your GitHub repo, click on the "history" link

➢ Click on the link of the version of the code that you want to submit

➢ Note: be sure that your are in the master (or main) branch!

Step 4: Put the link in the .docx file

➢ Copy and paste the link in the url bar of your browser in the .docx file below the group info, e.g.:

← → C ⟳ ⌂ 🔒 github.com/gcappon/bwthw/commit/c45eb3c20d26fe17af9c05c4fb94e883d0404929

Group 50

Group members:

ID	Name	Mail
1234567	Giacomo Cappon	giacomo.cappon@unipd.it
1234568	Martina Vettoretti	martina.vettoretti@unipd.it
1234569	Luca Cossu	luca.cossu@phd.unipd.it

Link to the GitHub repository:

https://github.com/gcappon/bwthw/commit/c45eb3c20d26fe17af9c05c4fb94e883d0404929

Step 5: Submit the .pdf to moodle

➢ Export your .docx file to .pdf

➢ Then, go to moodle. In the "Project discussion – Project delivery" section locate "Project delivery":

Project delivery

➢ Click on the delivery button:

Aggiungi consegna

Project delivery

Consegna file

Dimensione massima per i file nuovi: 10MB, numero massimo di allegati: 20

➢ Upload the .pdf file

▶ File

Per caricare file, trascinali e rilasciali qui.

Tipi di file accettati:

documento PDF .pdf

➢ Save and that's it!

Salva modifiche   Annulla

Outline

➢ **Project delivery instructions**

➢ Project presentation guidelines

Rationale

➢ In the following we reported a brief guide that contains some **hints** on what to cover during your project discussion. As such, consider this document as a guide rather than something to "fill" with words and images.

➢ You are free to use this PowerPoint template (style, colors, etc…) for preparing the presentation. Of course, you are also free to use your own template if you prefer.

➢ The skeleton proposed here is just a simple guideline. Feel free to change it according to your needs.

Discussion structure – General info

➢ You have **25 minutes max** to present your project followed by ~20 min of Q&A. Discussions of more than 25 minutes will be penalized.

➢ The presentation must include a PowerPoint presentation followed by a live demonstration of your app working. Both the presentation and the demo must fit the 25 minutes.

➢ The discussion has to be in English.

➢ The Q&A session will be in English.

Discussion structure – (Possible) skeleton

➢ A possible skeleton for your discussion can be:

- **Background** - *What's the "story" behind your app? Is it for healthy people? Is it targeting any disease? …*
- **Problem to be solved/Feature to be provided to the public** - *What's the target user/use case? What kind of problem your app is trying to solve? What's missing in the current market (if some)? …*
- **Your solution** - *High overview of your app (name, catchy motto, …). What do you want to enable with your app? …*
- **Core app functionalities**
    - **Screen map of your app**
    - **User authentication and management** - *How do you do it? …*
    - **Data collection** – *How do you do it? …*
    - **Data persistence** – *How do you manage data in your app (DB schema can be used here)? What's the data flow inside your app? …*
    - **Data visualization and presentation** – *How do you visualize user data in your app? …*
- **Original part** - *What's the original part of your app? Have you implemented literature stuff? If yes, briefly describe it. …*
- **Project management flavours** - *How did you work as a group? …*
- **Special implementation decisions** – *Did you make implementative decisions that worth some space in the project discussion? …*
- **Closing remarks and future developments** – *Sum up you discussion briefly. What are the possible evolution of your app in the future? …*
- **Live demo** - *Show (via emulator or physical device) your app working.*

Discussion suggestions

➢ Be smart.

➢ Try to motivate every choice.

➢ Consider to split the discussion among the group participants to demonstrate that you worked as a group.

➢ Consider to allocate around 15 minutes for the PowerPoint presentation and 10 minutes for the live demo.

➢ Prepare the live demo. You only have 10 minutes so you must know what to "tap", to show, to do ,….

➢ Be sure that your app is working when you run the demo.