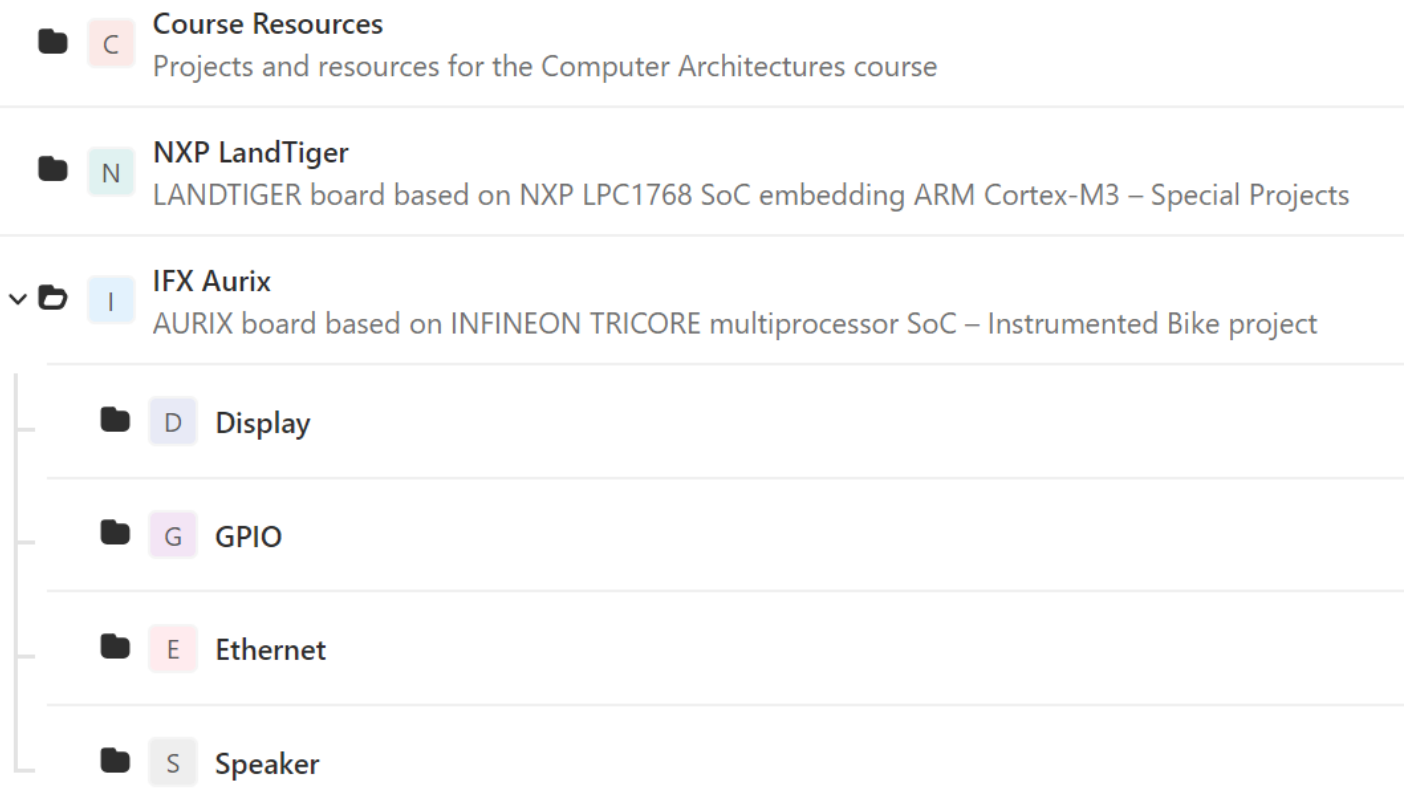
GitLab Portal

http://cas.polito.it/gitlab

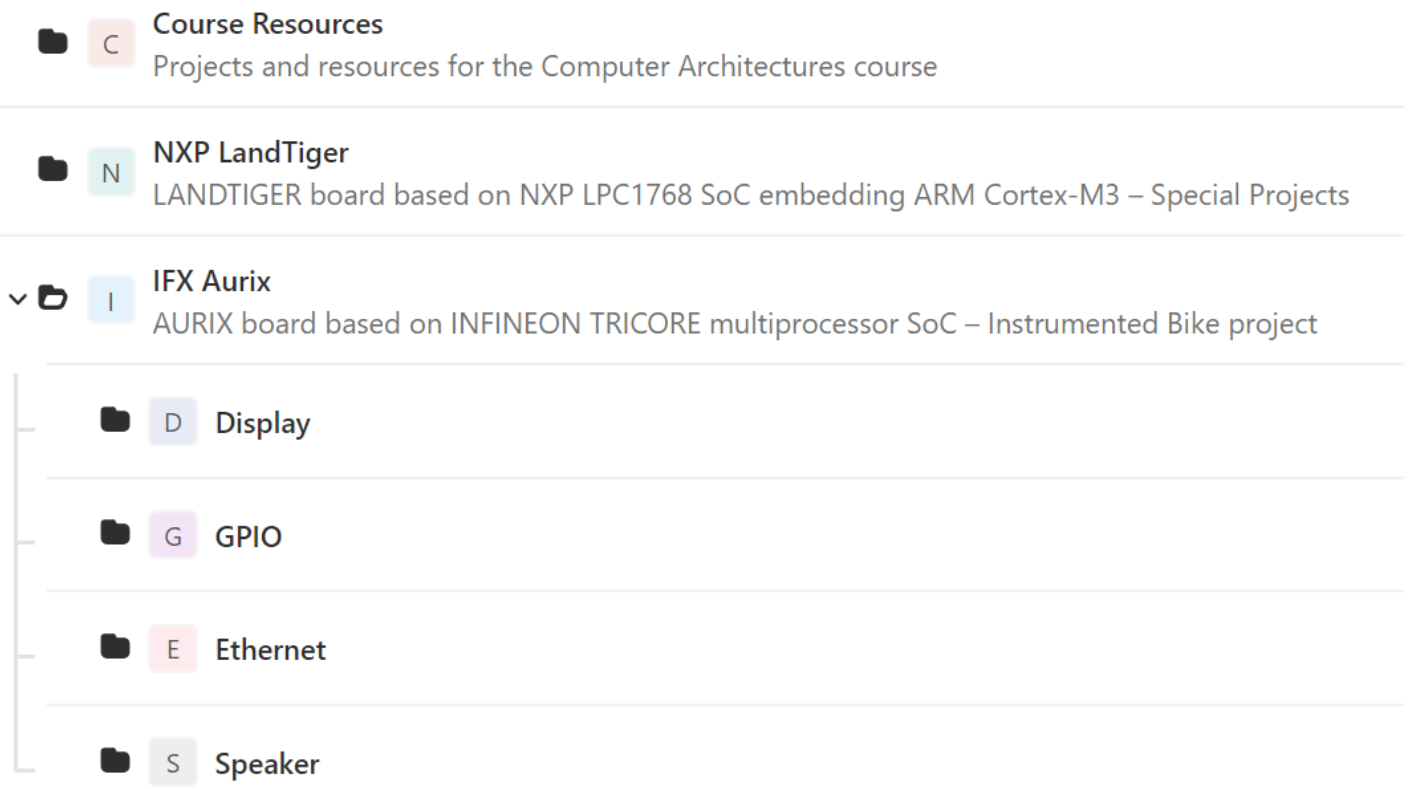
POLITECNICO DI TORINO

Groups organization



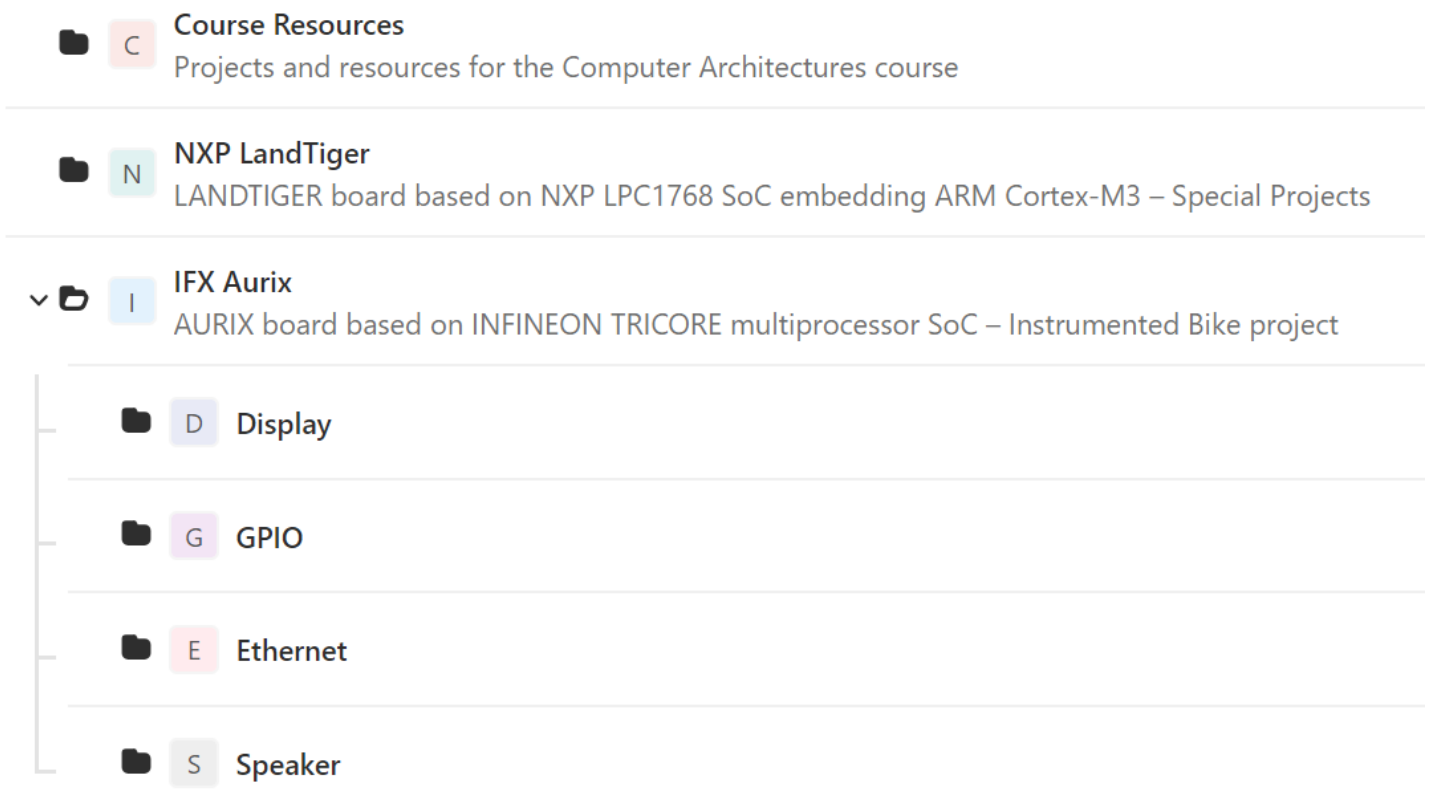
Groups organization

- IFX Aurix – **PERMISSIONS**
  - Main group with all of us
  - **Reporter** is the default user permission for everyone:
    - Visualize all projects in IFX Aurix and subgroups
    - Download/pull the repository
    - Fully manage issues (report bugs…)



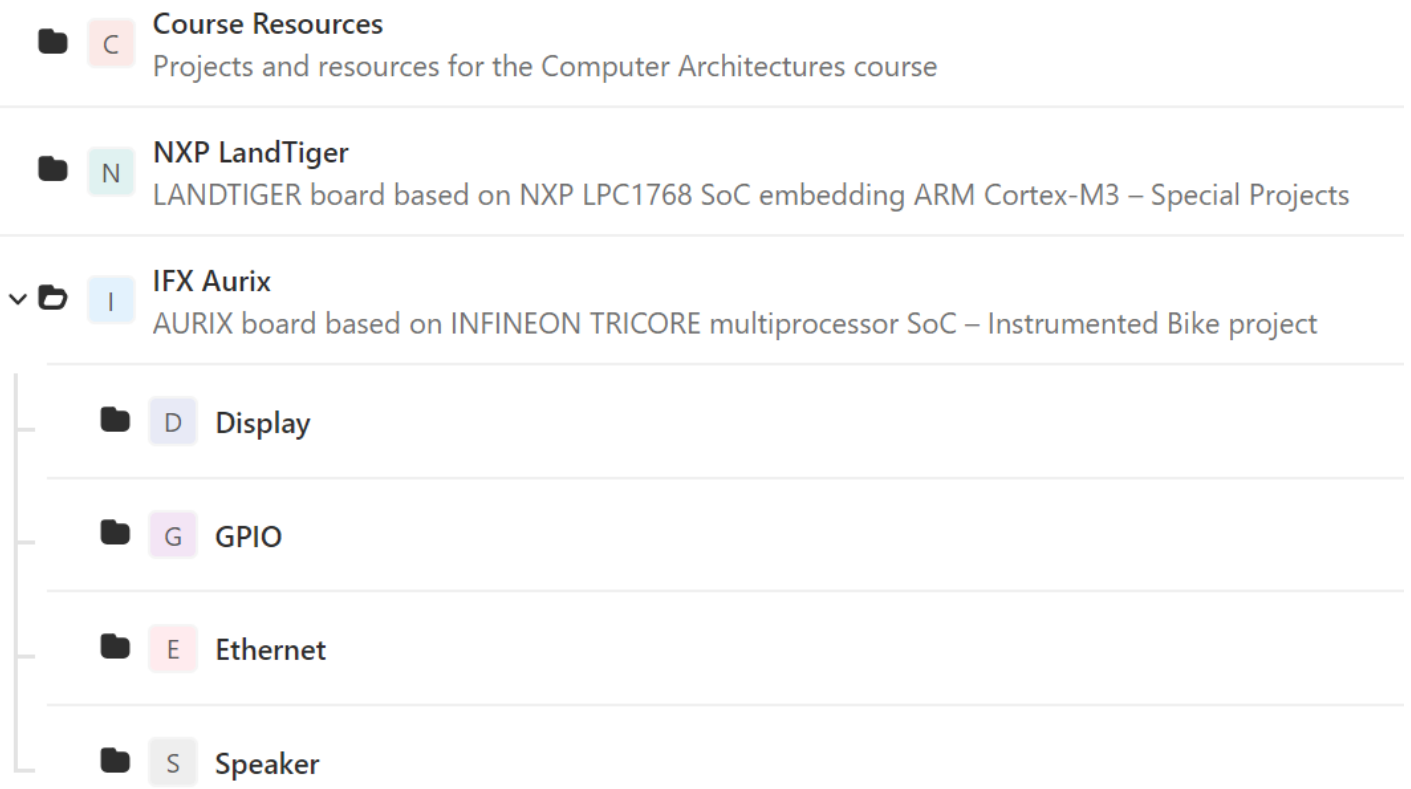
Groups organization

- Subgroups – **PERMISSIONS**
  - **Developer** permission in the group which you belong to:
    - All Reporter permissions
    - Fully manage non-protected branches of existing projects
    - Manage merge requests on non-protected branches
    - Cannot create new projects



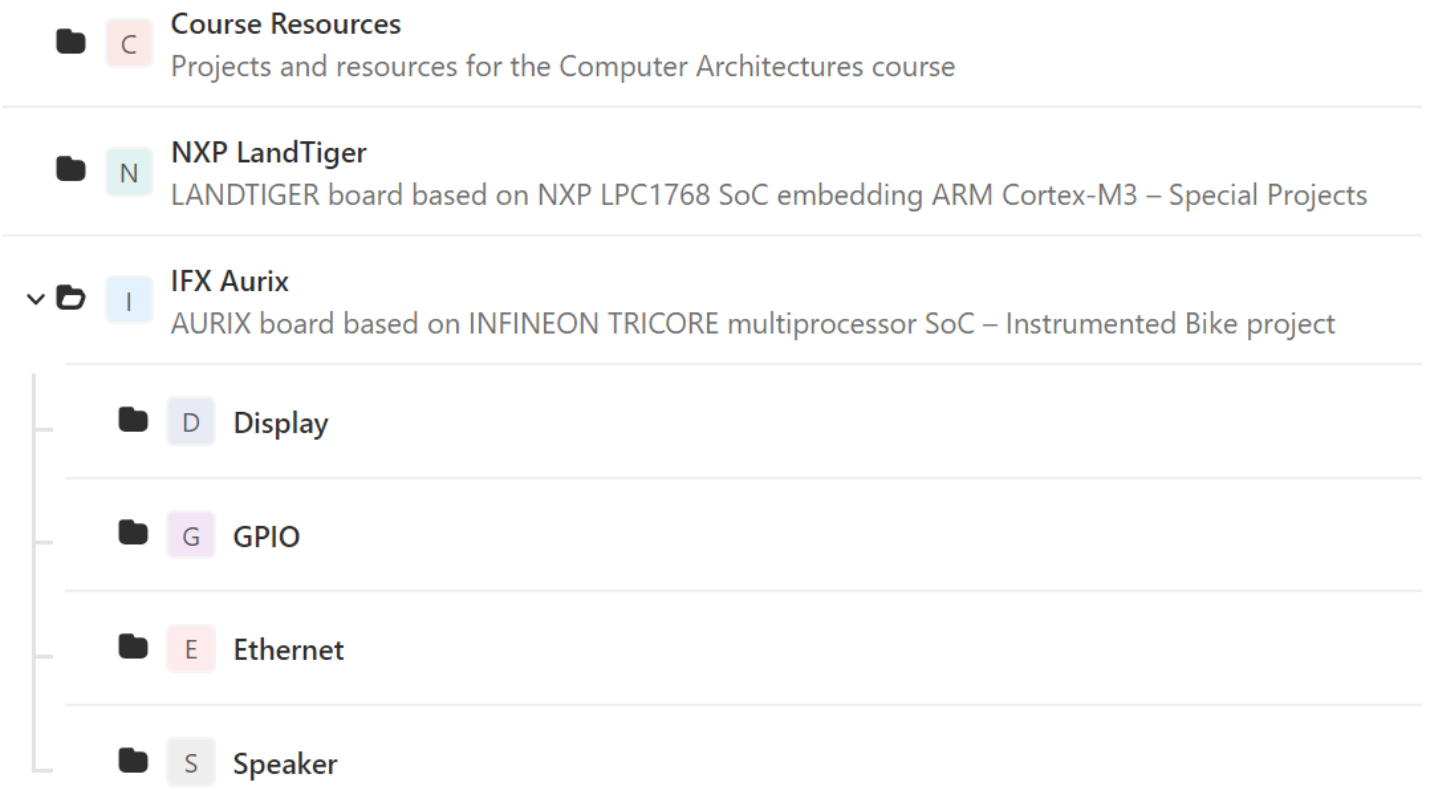
Groups organization

- IFX Aurix – **CONTENTS**
  - Specific hardware subgroups
  - Projects for the basic working environment + main releases



Groups organization

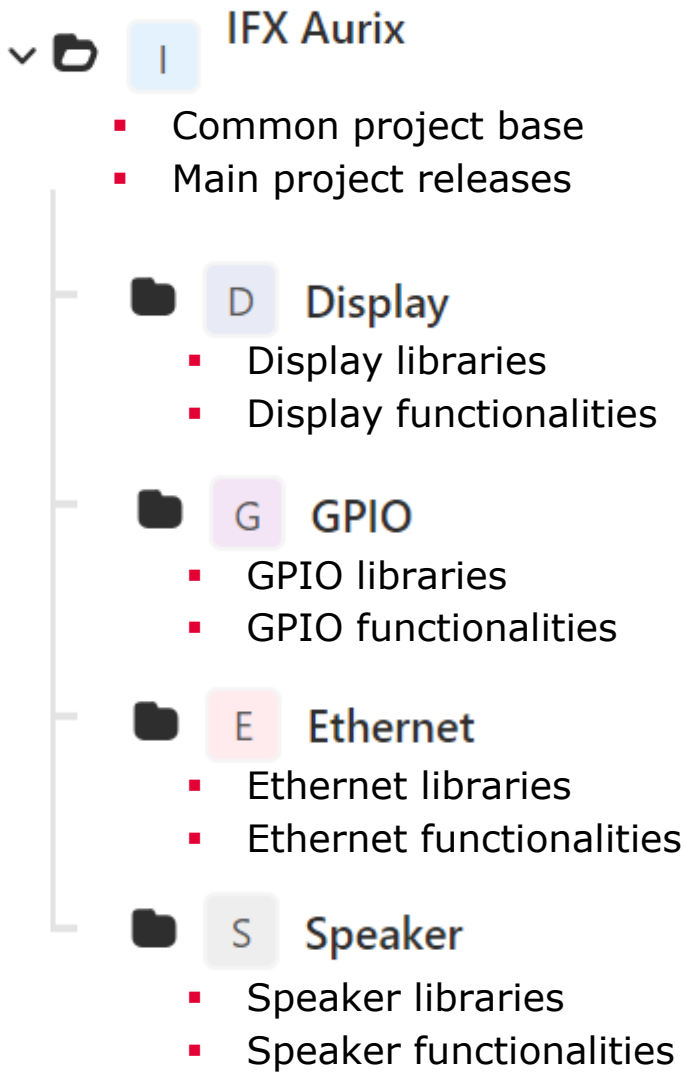
- Subgroups – **CONTENTS**
  - A project with a master protected branch
    - The master branch is a stable version of the ongoing project
    - When a new stable version is available (e.g. updated libraries, new functionalities, …), do a **pull request** to such master branch (comment, discuss, motivate…)
    - It is possible to have multiple projects in the subgroup: ask us if needed



Hierarchy summary

Main **idea** is to have:

- a common base (the basic working environment project in the main group)
- common main developments (projects for main realeases in the main group)
- common set of stable libraries (master branch of the main project in each subgroups) + dev branches
- parallel development of specific functionalities in the other projects of each subgroup (stable master + dev branches)



GitLab permissions

- Groups
  - **Private** The group and its projects can only be viewed by members.
  - **Internal** The group and any internal projects can be viewed by any logged in user.
  - **Public** The group and any public projects can be viewed without any authentication.
- Projects
  - **Private** Project access must be granted explicitly to each user.
  - **Internal** The project can be accessed by any logged in user.
  - **Public** The project can be accessed without any authentication.
- User permissions
  - **Guest** View/pull project, Create/view issues, Leave comments
  - **Reporter** Guest + Manage issues, View merge requests
  - **Developer** Reporter + Create/manage merge requests, Create new branches, Manage non-protected branches (remove, push on…)
  - **Maintainer** Reporter + Manage protected branches (remove, push on, protect/unprotect…), Add new team members, …
  - **Owner** Maintainer + …