Mentor class 02 - Git

Your task

- In the previous lectures, workshops, and mentorship sessions we were using exclusively GitLab as our central Git repository manager. The last workshop featured a common workflow for using GitLab. For this mentorship session, you need to get familiar with the other two popular platforms that offer such services: GitHub and Bitbucket.

- Supposing you already have an account on Gitlab, proceed with creating one on both GitHub and Bitbucket. If you still don't have a GitLab account, create one there too.

- One member of the group should create a project on Gitlab and add the other members of his mentorship group to the project.

- The member that created the project should first clone the repository locally. Then he should start a new branch named after him (let's say "Doe"). In that branch, the member should create one index.html file with an empty <html> document containing only an unordered list in his body. The first element in the unordered list should be his name. Then he should commit the change, push the branch to GitLab and merge it to the master branch.

- Other members should clone the repository locally. Then every member should start his own branch named after him. Every member should open the index.html file that was already created by the person who started the project and add his name to the unordered list. Then every member commits the change on his own branch, pushes that branch on to GitLab, and opens a merge request.

- The member who started the project should merge all the incoming requests (solving all the conflicts if any arise).

- Finally, when all members pull from the master branch, they should all have an HTML document that contains an unordered list with all of their names.

The scenario above is quite simple. After having merged all the branches and resolved all the conflicts (if any), the team has to do the very same process, except that this time GitLab should be replaced first with GitHub, and then with Bitbucket. You should create new projects (new repositories) on each of these platforms. Don't try to migrate an existing project i.e. from GitLab to Github. Try using GitHub and Bitbucket as you've never used any such tool before.

Make sure that different members of the group create the project on each of the platforms so that everyone gets to see all the aspects of the workflow.

Beware, some things are named differently across different platforms. For example, what we call 'Merge requests' on GitLab, are called 'Pull Requests' on GitHub.

Good luck