

Student Projects

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Join a team

- Every project developed by a team of 5-6 students
- Please, fill in the spreadsheet on MS Teams
- This part of the course is mainly asynchronous
 - Work and interact with the help of MS Teams
 - Ask questions to me

Choose a topic

- We don't have any expert domain that can provide requirements and discuss in depth them
- Be your own expert domain, your own customer
- Choose something you like
 - Room reservation or anything you would like to have in the campus
 - Sport tracking of any kind
 - Shopping list
 - Poll maker (like Doodle)

When

- Mainly in the classroom
- We have around 10 hours in 4 lectures + 3 hour to present your work
- Add around 13 hours of homework (expected homework for 1 CFU of lab activity)
- For a team of 5 students, it's more than 100 human-hours
- More than sufficient for what we want to achieve

The quest for the 10 points

- Setup git repositories (eg. GitHub or GitLab), send me a link for each sub-project (back-end and front-ends), and properly present the final result with a short oral presentation or video [1 point]
 - Alternative if you don't know git: Dropbox, Drive or anything that you can share with me by sending a link
- Setup Django REST Framework with CORS and documentation [1 point]
- Define at least one model (don't overdo) [1 point]
- Expose your models with your API in a proper way (validate incoming data) [1 point]
- Implement authentication and authorization in a proper way [1 point]
- Test the back-end (coverage of your code >90%) [1 point]
- Implement a Python TUI front-end [2 point]
- Test the TUI front-end (coverage of your code >90%) [1 point]
- Implement a browser or mobile or desktop front-end with any programming language or framework you like (and you already know) [1 point]

Questions

