Goal

Your final assignment is a team assignment. The goal is to build a complete web app, using a web framework as a backend and a well designed and interactive frontend. The goal of this app is free to choose (see the wiki for a list of ideas and examples). The requirements are in line with previous assignments:

* Host your web app so that it is easily accessible.
* Design a clean, intuitive frontend. You can use Bootstrap (or similar) or your own design.
* Use appropriate Javascript libraries for the frontend (e.g. JQuery, React,...) to enable smooth user interaction.
* Use a Web Framework for the backend (e.g. Django). Any framework is allowed as long as it fits the purpose of the app. Don’t just use custom PHP.
* Handle your app’s data in a clean and robust way. Use databases to store the data in your app, or use REST APIs to pull in data in a robust way. Make sure it is well tested and doesn’t easily break.

Extra points can be earned if you:

* Add a video (screencast) about how your web app works and what it does, and host it on Youtube, Vimeo or similar.

## Report template

**Page limit**: 8 pages

**General**

What is your web application about? Where is it hosted (provide the url)? What is the GitHub repository? Which browsers did you use to test it? Do we need extra information for reviewing (e.g. a guest login)? Who are the members of your team, and how was work distributed?

**Frontend Design**

How did you design the front-end of your web app? Did you use a front-end framework (e.g. Bootstrap)? Which user interactions happen on the frontend and how do you handle this? Did you use JS libraries such as JQuery or React? Explain how your choice of libraries fits the goals of your web app. Include a few screenshots.

**Backend Design**

Which web framework did you use? Explain how this fits the purpose of the app. What other components (e.g. databases) did you use and how do they all work together?

**Databases**

What data do you store in your web app and why (e.g. accounts, user actions,...)? What kind of database do you use (e.g. SQLite, MongoDB), how do you connect to it, and where do you store it?

**REST APIs**

Are you using an API to pull in data? If so, explain how this is done and how the data is handled. Do you provide your own API? If so, provide documentation of your API: what can be retrieved and how? Provide sufficient detail so that anyone can use your API.

**Video**

A (link to a) short screencast, about 5 minutes, of how your app works. Preferably hosted (e.g. YouTube, Vimeo).

**Reflection**

What did you learn from the assignment? If you could start over, would you do things differently? Did the team function well? Was the work distributed and executed equally?

Misschien is het wel mooi om dit apart te doen aangezien we niet allemaal even ervaren zijn?

**Beau:**

**Erwin:**

**Rogier:**

**Stefan:**