

Cyber Physical Systems Portfolio Criteria

The portfolio application will be a site that

– fishes data from some social network or web-service

Processes it, e.g. computing some statistics

Visualizes the results using a js diagram library (such as Google Charts)

Portfolio hand in consists of the following: A zip-file with an application, a PDF or PPTX presentation

Portfolio is handed in alone or in pairs. 2 students MAX per portfolio! Both students will hand in the same portfolio in case of collaboration.

A coded application in a zip file:

- Not .rar, 7zip or other formats – only .zip!
- Application is coded using one of these:
 - o Frontend: JavaScript OR React
 - o Backend: (Java spring , integration , design pattern, MVC or microservices) OR NodeJS<-only for backend
 - o Database: MySQL OR MongoDB
- Application gets data from another online application
- Data is stored in the database
- The frontend presents a form of statistic over the data in the database
- When data changes in the database, the frontend is updated
- Every code file starts with a comment about what it does
- Every function has a comment about what it does

A presentation in PDF or PPTX format:

- No other formats are accepted!
- A slide that presents the project idea
 - o Include names of project participants
- A slide that explains how to set up the application and run it
- Slides that present your project via UML
- A slide that explains your integration strategy
- A slide that explains a design pattern you used
- A slide that explains your choice of architecture
- A slide that explains how the application is tested
 - o This is about automated tests and code quality – not user testing