# Real-Time Web Programming Portfolio Criteria

The portfolio application consists of two parts:

* A text-editor where at least 2 userscan edit the same content simultaneously
* A chat where at least 2 users can send messages to each other

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 NodeJS, React & 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 in real-time
* 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
  + Include names of project participants
* A slide that explains how to set up the application and run it
* A slide that explains a NodeJS module of your choice
  + Include alternatives you could have used
* A slide that explains how you used React
  + Include alternative approaches you tried or considered
* A slide that explains how you used MongoDB
  + Include what would have been different in a relational database
* A slide that explains your collaboration strategy
  + Include a strategy that you didn’t choose, and why
* A slide that explains your architecture
  + If multiple architectures were combined, explain it
* A slide that explains how the application is tested
  + This is about automated tests and code quality – not user testing