Web Programming – Mandatory Assignment

The assignment involves creating a web application (an App), using either React or Angular. The scope of the App is up to you; it could be a simulation of a very simple web shop, a small game, an App that presents some data read from an external source, etc..

# Requirements

There are as such very few specific requirements to the App. However, the App should contain at least three components developed by yourself, and make use of at least one functionality which is beyond the very basics of React/Angular. More specifically, the App should involve at least one of the below:

* Use of Redux for state management (primarily for React apps)
* Use of functionality for retrieving data by asynchronous calls to a Web API
* Use of routing for App navigation
* Use of three different data binding types (for Angular apps)

If you for some reason want to implement your app using a different approach – e.g. develop it enti­rely in “raw” JavaScript – or focus on some other non-trivial functionality not mentioned above, I will also be inclined to accept this, but please contact me about it before handing in your App, so I can approve (or reject) your idea.

# Work on the assignment

The intention is that you should be able to solve the entire assignment with an effort equivalent to one full “school day”, i.e. within 5-6 hours of work. You can work on the assignment whenever you wish, but note that the *Web Programming* classes in **Week 17** – i.e. April 25th – will be reserved to working on the assignment. It is thus up to you to plan when to work on the assignment.

# Handing in your solution to the assignment

Send your app directly to my e-mail ([perl@zealand.dk](mailto:perl@zealand.dk)), **not later than April 26th, kl. 13.00**. Send your app as a **.zip** file containing the folder for your App. NB: make sure to strip away everything from the folder except those files that cannot be recreated by re-installing the App. The easiest way to ensure this is probably to upload the app to your GitHub account, pull it down again in a diffe­rent folder, and then zip that folder without having done an **npm install**. Once I have evaluated your solution, I will send the result of the evaluation to you by replying to the mail you sent me.

The deadline set above is a hard deadline. Remember that you must hand in a solution – and the solution has to be approved by me – in order to be able to attend the final 4th semester exam!