SWA1 Work Sheet:  
Client Programming Paradigms

# Topic

The topic for this module is implementing JavaScript clients using different paradigms and tools. For functional programming, we'll look at the flow pattern popularized by Facebook, and for object-oriented programming we'll look at MVVM with two-way data binding.

# Period

Week 43 – 45

# Literature

* [Flux: the React.js Application Architecture - a Comprehensive study​](https://medium.com/%40cabot_solutions/flux-the-react-js-application-architecture-a-comprehensive-study-fd2585d06483)
* <https://www.youtube.com/watch?v=XxVg_s8xAms>
* <http://www.tachenov.name/2016/09/30/208/>
* <https://www.youtube.com/watch?v=qzTeyxIW_ow> (Ignore iOS part)

# Goals

* apply common design patterns to document object models
* explain the flow pattern
* explain two-way data binding
* implement GUIs using the flow pattern and two-way data binding, respectively.
* compare patterns of GUI programming

## Compulsory exercise 3

Implement a client using both of the patterns from the course.

Hand in in groups of 2 or 3 no later than 8 November.