## 2.1 Realising an application

### Planning the activities according through the requirements of the subject

The application is made with the functional and technical design in mind. This means that we create it as close to the designs as possible. The pages are split between the three of us. First we do the HTML and CSS, to see if we can recreate the mock-ups. After that is done we code the functions and the rest. The program which we use is called Cordova. This program supports mobile compatibility. Tom and Erik are the main programmers. Davy also programs a few things. But because he’s inexperienced, he works the most on documentation and other things.

About once a week, we check in with the project manager to see if what we have is done correctly. We write down any changes that need to be made. We are also relying on the other team. When they are changing something, we need to change that too.

### Translates information from the technical and functional design to a correct solution

Like stated before, we are recreating the designs in HTML and CSS. We are trying to do this as close as possible. Everything will work from an API. This is where most of the data is stored and most of the functions are created. The other functions will be made using JavaScript and a JavaScript package called “Mustache”. This package allows us to create templates to store our data in. This way it’s easier to get the data from their server. So that we can easily use that data in our functions.

### Realising part of the application which meets the requirements in the functional and technical design.

One part of the application which is realised is the profile page. We tried to create it as close to the design as possible. See the image. <insert image here>

### Choose the right materials and tools

While making this application we used several different tools. Everything was created using our laptops and a lot of software. Most of the coding was done in Visual Studio and/or PhpStorm. In these applications we used the following coding languages. JavaScript, HTML and CSS. We also used an API and a JavaScript package called “Mustache” to help us.

The data that we need is on a server, from this we can get data like the name and level of the user. To create the documentation we use Word. We also use GitHub to share and merge our files.

### Realising if the interface meets the requirements of the technical and functional design

The interface is looking as much as possible like the functional and technical design. Of course some changes can and will be made when we are working on the application. But those changes come from the other group who are working on the web version of the application. Our version needs to look the same as theirs. So when they change one aspect, we need to do that as well.

### Documents the activities and results during and after realising the application

Everything we do is being kept track of via a scrum-board. We discuss what we do each week and write it down.

### Approves its work regularly with the client and/or management

We regularly talk with the client to see if the work we are doing is correct. We also have meetings with the other group to discuss certain aspects of the application. For example certain design aspects. The client also comes with some suggestions and we decide together if that suggestion is necessary.