



Technical Survey for Advanced Web Programming

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General

I will use the server framework Ruby on Rails.

First I wanted to use a PHP Frameworks like Yii or CakePHP because I'm used to the PHP language. But I changed my mind because of the huge developer community around Ruby on Rails and it's easy to learn language which is also familiar to PHP. Furthermore nearly the PHP Frameworks "just" copied methods of Ruby on Rails for developing and so I decided to stick to the original one. Of course the good integration of client side frameworks also played a role in my decision.

As database system I will choose Mysql because it is well integrated and I am familiar with it. Alternative is of course SQLite but suppose that I will store some data in the Database and therefore MSQl is the system of choice.

Google Apps

Because the mail, calendar and contact system will be transferred to Google I will use Googles app API to integrate it in the new website.

Social Networks

The annotation of events shall be automated I will use Xing, Facebook and the Google APIs again to publish new events on this social networks Furthermore the students shall be able to log in by using Facebook Connect.

Member Management

The association needs member management including bank details and address I might include an Paypal payment system for the yearly membership fee. This is optional and has to be discussed with the board again.

Appealing Design

For the ajax effects the Ruby on Rails framework has a lot of possibilities: JQuery, Prototype or MooTools. I will probably stick to Prototype and for the effects scriptaculous. But I will still have JQuery (UI) in mind if I ran in problems.