

Technische Dokumentation

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Telekooperation

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# Introduction

The „Team Uniform“-project is an implementation of a conference platform. In order to plan the contributions of a conference,”Team Uniform” provides several functionalities to submit, review and assess research papers.

It is based on yeoman, a scaffolding tool that utilizes modern technical web-technologies like angularJS or nodeJS. Requirements and functionalities were implemented according to the specifications of the TK3 department from the Technical University Darmstadt.

## Stack

Our team used the yeoman generator to initially set up an environment and having a starting point for development. At the first step the team worked on the backend using Node.js as primary technology. As database we used the latest version of postgresql, an open source object-relational database system that is very popular and works well among different operating systems (quelle: postgresql.org).

The frontend is served by Angula.js which allows dynamic views on our platform.

Finally we used bootstrap as CSS framework.

## Development Process

In an initial meeting the team decided on following five process steps for the development and implementation of “Team Uniform”

1. Setting up the technical stack with Yeoman, developing a relational data-scheme and determination of API-specifications.
2. Setting up a rights-management-logic based on binary variables and creating CRUD-functionalities for review- and submission-objects,
3. Creating views to enable CRUD-functionalities on frontend for reviews and submissions
4. Developing features on frontend- and backend-side for role chair.
5. Finalization of the project and realization of several bonus-features.



# General technical setting

The general folder-structure of “Team Uniform” looks like this:

├─── Team Uniform

│ └─── client

│ └─── concept

│ └─── e2e

│ └─── server

Folder client contains mainly

## Client/app

The App folder contains the main logic of the application and provides several functionalities for a conference-managing platform.

├───package.json

│ └───index.js

### Account

### admin

### charts

### main

### reviews

### submissions

## Miscellaneous features

# Specific functionalities of ‚Team Uniform’-Platform

## General functionalities

### Registration

### Log-in

## Author

### Create submission

### Access submission

### Submission manipulation – CRUD

## Reviewer

### Access assigned submissions

### Make a review

## Chair

### Access all submissions

### Information retrieval: Authors, reviewers, reviews

### Submission to reviewer assignment

### Schedule Management

### Analytics

Literatur

[1] Tim Berners-Lee, Larry Masinter, Mark P. McCahill [Hrsg.]: Uniform Resource Locators (URL). Request for Comments 1738, Network Working Group <http://rfc.net/rfc1738.txt>, Dezember 1994. Zugriff am 29. November 2007.

[2] Robert Braden [Hrsg.]: Requirements for Internet Hosts -- Communication Layers. Internet Standard 3, Network Working Group <http://rfc.net/std3.html>, Oktober 1989. Zugriff am 29. November 2007.

[3] Robert Hinden, Stephen Deering: IP Version 6 Addressing Architecture. Request for Comments 2373, Network Working Group <http://rfc.net/rfc2373.txt>, Juli 1998. Zugriff am 29. November 2007.

[4] Bruno Buchberger: Thinking, Speaking, Writing. Basic Working Techniques for Students of Mathematics and Computer Science. Begleitmaterial zu seiner Vorlesung „Praktische Beweistechnik und wissenschaftliches Arbeiten im Bereich des Symbolic Computation“, Universität Linz, 1992.

[5] Plain English Campaign. <http://www.plainenglish.co.uk/>. Zugriff am 29. November 2007.