

Project Order

Objective

The objective of the project is to deliver a web-based *Publications Editor* tool with the corresponding project and technical documentations and test cases. The project should fulfill the requirements taking into account the listed constraints. Determining the exact requirements of the client is part of the project.

Product Sketch

The *Publications Editor* tool should be a web-based tool for manipulating the BibTeX file and publications repository of the Software Component Technology Group.

BibTeX files are used for maintaining bibliographies of scientific articles and books. They are character and field based, thus easy to parse.

An example entry of a BibTeX file is the following, which tells among others, that the paper “*A Programming Logic for Sequential Java*” by A. Poetzsch-Heffter and P. Müller was published in the proceedings of the conference ESOP’99.

```
@inproceedings{ PoetzschHeffter99b,  
  author = "A. Poetzsch-Heffter and P. M{\u}ller",  
  title = "A Programming Logic for Sequential {J}ava",  
  booktitle = "European Symposium on Programming ({ESOP}~'99)",  
  volume = "1576",  
  publisher = "Springer-Verlag",  
  editor = "S. D. Swierstra",  
  pages = "162--176",  
  year = "1999",  
  url = "citeseer.nj.nec.com/poetzsch-heffter99programming.html"  
}
```

The publications repository is a directory where scientific articles reside in PDF or PS format. Each file in the repository should have a corresponding BibTeX entry, but not all BibTeX entries need to match a file (e.g. a book not available in electronic format).

The product should enable users to:

- Insert new entries into the BibTeX file and upload the corresponding file (if any) to the repository,
- Remove entries from the BibTeX file and remove the corresponding file (if any) from the repository,
- Edit fields of entries of the BibTeX file and/or change the corresponding file (if any) in the repository.

Constraints

- The overall number of hours spent on the project should not exceed 96 hours for the whole team.
- The product can reside on any web-server, but has to be presentable under any OS and browser.
- Teams should prepare to changes of client-requirements during the project.

Client Representative

Software Component Technology Group, represented by Adam Darvas.
E-mail: Adam.Darvas@inf.ethz.ch Office: IFW A47.1