Project Order

Objective

The objective of the project is to deliver a web-based *Publications Viewer* 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 Viewer* tool should be a web-based tool for viewing 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 Symosium 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:
- View all the available BibTeX entries in an abbreviated list or table format, something like

"A Programming Logic for Sequential Java", A. Poetzsch-Heffter and P. Müller, European Symosium on Programming (ESOP '99), 1999   [BibTeX] [PS] [PDF]
"Universes: A Type System for Alias and Dependency Control", Arnd Poetzsch-Heffter, Peter Müller, Technical Report, 2001   [BibTeX] [PS] [PDF]

- View the details for a selected entry,
- Allow multiple pages, because there will be many citations,
- Allow searching for specific publications,
- Filter the shown citations, e.g. by publication year,
- Sort the citations by different criteria,
- Easily view the corresponding PDF/PS article.

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

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