

PyWebAnno: Easy and Reproducible WebAnno Project Management

Adam Roussel

Sprachwissenschaftliches Institut, Fakultät für Philologie, Ruhr-Universität Bochum

Introduction

- PyWebAnno is a command-line tool that is like a **for-loop for WebAnno** (Eckart de Castilho et al. 2016)
- Capable of performing a number of basic operations on a set of users or projects
- Useful when you have a set of projects and/or users that you wish to manage as one
- Makes use of remote API and direct modifications to the database

<https://git.noc.rub.de/ajroussel/pywebanno>



```
> pywebanno -f dev.ini user create --startid 100 --prefix testuser 5
INFO:pywebanno.users:adding new user 'testuser100'
INFO:pywebanno.users:adding new user 'testuser101'
INFO:pywebanno.users:adding new user 'testuser102'
INFO:pywebanno.users:adding new user 'testuser103'
INFO:pywebanno.users:adding new user 'testuser104'
[
{
    "username": "testuser100",
    "enabled": true,
    "password": "C0nBd96h",
    "email": "testuser100@ruhr-uni-bochum.de"
}
```

The screenshot shows a web-based application for managing users. On the left, a sidebar lists users: newuser1, roussel, testuser100 (selected), testuser101, testuser102, testuser103, and testuser104. On the right, a detailed view for 'testuser100' is shown. The form fields include: Username (testuser100), Password (empty), Repeat password (empty), E-mail address (Vorname.Nachname@ruhr-uni-bochum.de), Last login (empty), and Roles (ROLE_ADMIN, ROLE_USER selected).

Features and Functions

Projects:

- Create from scratch or import from a template
- Delete when done

Users:

- Create accounts with anonymized usernames or ones you choose
- Enable/disable accounts
- Notify users of login info or system downtime
- Assign users to projects

Documents:

- Add documents to projects
- Add annotations to documents
- Get an overview of which documents are in which projects

Layers:

- Enable/disable annotation layers

Use Cases

- Practice exercises for linguistics courses
- Annotation projects with many annotators
- Annotations where different groups/documents require different settings

References

Eckart de Castilho, Richard et al. (Dec. 2016). "A Web-based Tool for the Integrated Annotation of Semantic and Syntactic Structures". In: *Proceedings of the Workshop on Language Technology Resources and Tools for Digital Humanities (LT4DH)*. Osaka, Japan: The COLING 2016 Organizing Committee, pp. 76–84. URL: <https://www.aclweb.org/anthology/W16-4011>.