App. GUI

App. Backend

PyZotero API

Zotero API

Zotero Internals

Explanation of System Design:

We are making a Python (2.7.10) application that will, through the API's, Interact with Zotero in order to make changes to the user's Zotero Library.

- The Application GUI is a Python GUI that the user will interact with in order to use our application. (Features can be found in our sprint backlog/taskboard/reports) The GUI then sends this information to the App. Backend for processing.
- The Application Backend processes information from the GUI and calls the PyZotero API to receive, modify, and update the user's Zotero Library. This process requires an API key that the user will have to generate and provide in order to use our app. The backend will then update the GUI accordingly.
- The PyZotero API (written in Python 2.7.10) is a python wrapper for the Zotero API, that our backend interacts in order to gain access to and modify the user's Zotero Library
- Since our design doesn't ever interact directly with the user's library our design puts things such as the user's library, Zotero Auth. Server, Zotero DB, etc. under "Zotero Internals"

tl;dr

Our Python App. uses the PyZotero API to perform various functions on the user's Zotero Library.