

## General Idea

We will use Flask to add the necessary functionality to our frontend and connect the frontend and backend. Finally we will use Postgres to store our data.

## Frontend

We created two HTML-files, where the user may input his data:

*index.html*

This is the input form for the manual Input.

*upload.html*

This is the input form for the XML-upload.

## Backend

In the next step, we must gather the information input by our users. We do this in

*views.py*

For the manual input, there are two important variables: **data**, this is the user input from the frontend and **user\_feedback**, this is the feedback given to the user, whenever his input wasn't as expected. Finally, if there is no **user\_feedback**, we may add the data to our database.

For the mass upload, we use a similar strategy with a more robust **user\_feedback**. We thereby classify the possible errors into three groups:

- Wrong Format
- Wrong Text
- Wrong Tag

If either of those errors occur, the user will be informed and the data will not be sent to the database.

## Database

The database was set up in Postgres with pgAdmin 4 with the given parameters.