# Assignment 4

Ivan Waldboth & Mathias Hölzl

## 1. REST API

*Implement a RESTful service for your assigned domain. The APIs should contain minimum 10 different resources and at least one supported operation per resource (Typically most of the resources should support CRUD operations anyway). Analyse several websites/APIs to find out typical resources for your domain. The API should follow RESTful best practices1 . Try serving real data from your API as much as possible. There are open datasets online. If you encounter problems while finding a dataset please contact me immediately. Even though you have quite a long time for this exercise, I suggest you to notify me regarding your progress and ask any questions you may have before the deadline comes too close.*

## Event API:

We used python + flask as server. We had some difficulties with getting a good data source for events. The only usable resource were RSS feeds and even those feeds were missing some crucial data to create links to other source. To overcome this issue, we just linked the other resource randomly. For example for the location we imported a dataset of cities and assigned randomly cities to events. Each Resource supports CRUD.

## Server:

To test the server just run **python main.py** and the browse to [http://localhost:5000/events](http://localhost:5000/events).

## Unit tests:

We also made some simple tests to verify that the CRUD operations are correct. To run the unit tests just run **python test.py.**