

# Web Engineering Report

Teodor Oanca  
Razvan Poinaru

March 2019

## 1 Introduction

Using the provided JSON to populate the database, the API is able to handle different requests, defined in the documentation along with some examples. For running the API, there are steps described in README.MD file.

## 2 Technologies

For the development of this API, several technologies were used:

- Python, along with the framework Django.
- SQLite database for data persistence.

## 3 Justification

Django is a great framework with comes along with the package "Django rest framework" which is a powerful and flexible toolkit for building Web APIs.

For the persistence of the data, choosing SQLite was due to the easiness of installing and the possibility to dump the database and sending/uploading it directly on Github.

SQLite is great for the development stage. For production other services may be used.

Django is great for managing databases because it provides a layer of abstraction. This means that it is not necessary to write raw SQL code (This does not mean it is not possible).

For exporting data as CSV, another Python package is used: "django-rest-framework-csv".

## 4 Schema of the database

