Bogazici University IE582 Project Submission API Manual for Students
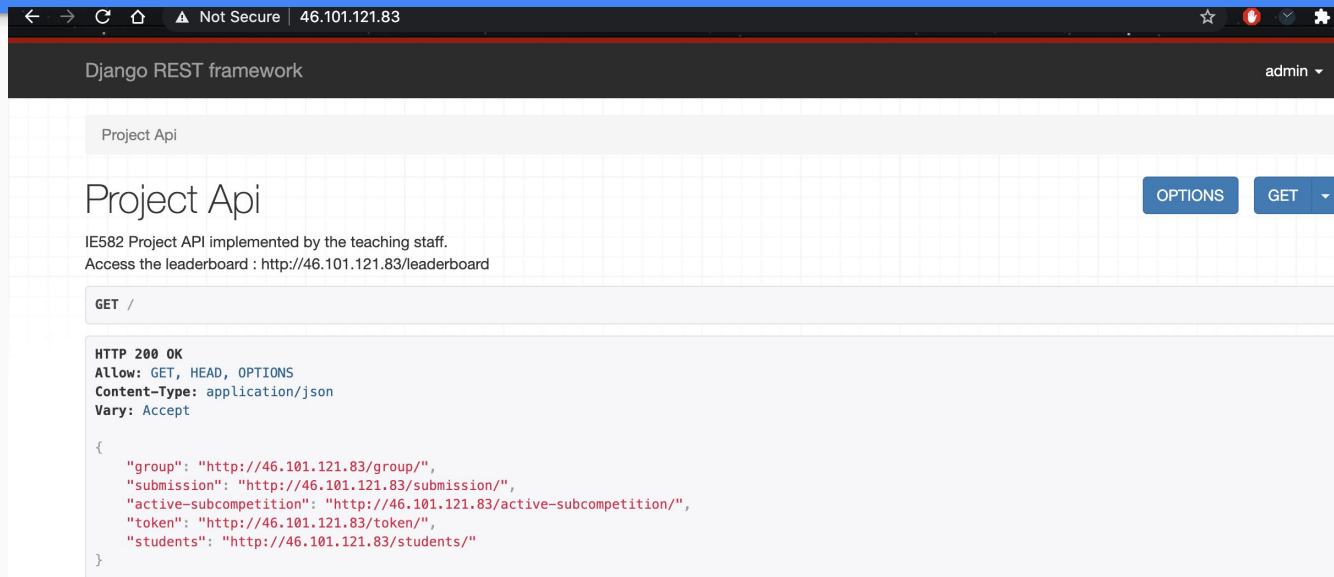
These slides will give an overview of the API that is provided for the project.
5-mins read!

API Web Interface : http://46.101.121.83/

A first note:

You actually do not need to use the web interface.

Interacting through R/Python with the use of requests will be enough. We will provide sample scripts for you.

API Web Interface : http://46.101.121.83/

Django REST framework   Log in

Project Api

Project Api

OPTIONS GET ▾

IE582 Project API implemented by the teaching staff.
Access the leaderboard : http://46.101.121.83/leaderboard

GET /

```
HTTP 200 OK
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
    "group": "http://46.101.121.83/group/",
    "submission": "http://46.101.121.83/submission/",
    "active-subcompetition": "http://46.101.121.83/active-subcompetition/",
    "token": "http://46.101.121.83/token/",
    "students": "http://46.101.121.83/students/"
}
```

To use the web interface, you need to log in by navigating to the sign in page through this button.

You will use the group usernames and passwords that were sent to your e-mail addresses

/submission

This is the endpoint for you to submit your predictions.

Required Format = A list of 2073 predictions for the samples in the test dataset.

Ex:
[0.5, 0.2, .., 0.8, 1.0]

For each day, you can submit your predictions at most 5 times.

/leaderboard

TLDR: This is where you will see the overall leaderboard.

Username	Best score
admin-m	1.0000
admin	0.5000
Datatata	0.0000
Error_Loading	0.0000
Frankenstein	0.0000
HNY	0.0000
Miners	0.0000
Oversitting	0.0000
R'siz Rakunlar	0.0000
Runtime Terror	0.0000
TOYGAR - MERT	0.0000
The Miners	0.0000
papatya grubu	0.0000
Los Galacticos	0.0000
Cagan-Hakan	0.0000
Data Miners	0.0000
ChE-origin	0.0000

Groups will be sorted by the score in their best submission.

Other Endpoints

/students : Only admins will have access to this, do not worry about it.

/token : You will get your group tokens from this endpoint. You will need your tokens to send the requests to the API through your programming language of choice. Again, please check the sample script for further detail.

General Comments

Evaluation:
Once you submit, we will evaluate your predictions in a certain subset of the samples and we will return 3 metrics, that are

1) AUC
2) Balanced Accuracy Score
3) Score = (AUC+BAS)/2

IMPORTANT - Limits:
You will have 300 requests/day as the throttling limit. After this point, you will be banned for 24 hours from sending further requests to the API with your account. If you have further problems, please contact us at
mert.yuksekgonul@boun.edu.tr

Do not hesitate to ask for help when you need!

This submission and evaluation system is implemented only for IE582 Course and students.

The main point is, this experience is truly very close to a real life scenario that you will encounter if you go on to the industry and work on data domain. ie. You will likely get an API to get data and further info, then provide your predictions to another API, just as in this project.

Please get in touch with us and ask your questions if you feel overwhelmed by any of the details.

Contact: mert.yuksekgonul@boun.edu.tr

Please include [IE582] in the subject line.

At the end of the project period, this submission system will be open-sourced, for those of you who are interested.

Hope you have fun!

FAQ

We will keep updating this System Manual with the questions coming from you.