Specatate888 API Documentation

Overview:

888sports is a sports betting platform. The main functional areas are:

- Manage data about sporting events to allow users to place bets.
- Provide API to receive data from external providers and update our system with the latest data about events in real-time.
- Provide access to the support team to allow them to see the most recent data for each event and to query data.

The API implementation serves the below details:

Data:

- Markets are unique per Sport
- Selections are unique per Market

Receiving data:

• For our purposes, we can assume this API will be used by a single provider, so no need to keep track of which provider is sending the messages.

Receiving request from the support team.

The implementation is in python Django. Django class models are created to hold the data and has been populated into the development sqlite3 data base. The data is retrieved from here and events of updating and adding new entry are done into the same.

Postman application has been used to check the functionalities and working of the API's.

A requirement.txt and a pip install will set up the dependencies.

The API can be verified by using postman application or the Django rest framework web UI.

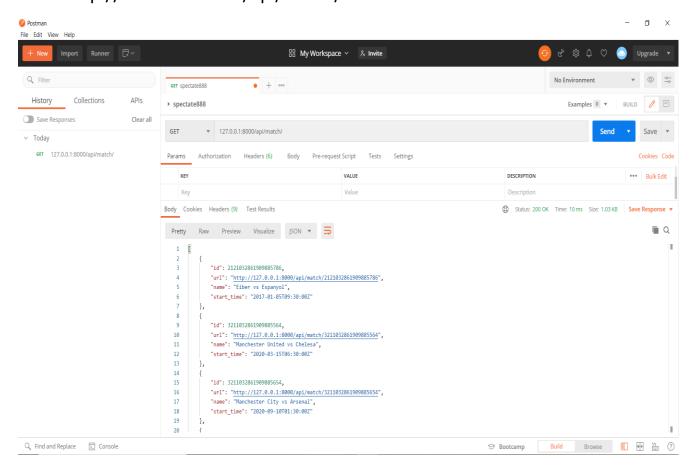
Screenshots attached below are of postman application for API endpoints.

Logs are also captured in the logs directory.

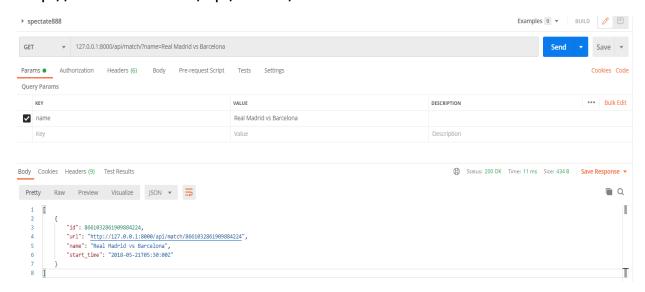
For all the API's with ordering field, a value with "-" if passed then the ordering is reversed (descending order), by default the value is ascending(i.e., without the "-" value)

Attached below are the API functionalities.

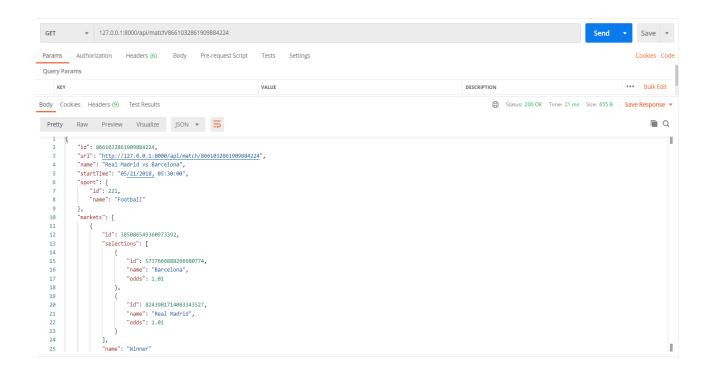
- List all matches, general API endpoint
- http://127.0.0.1:8000/api/match/



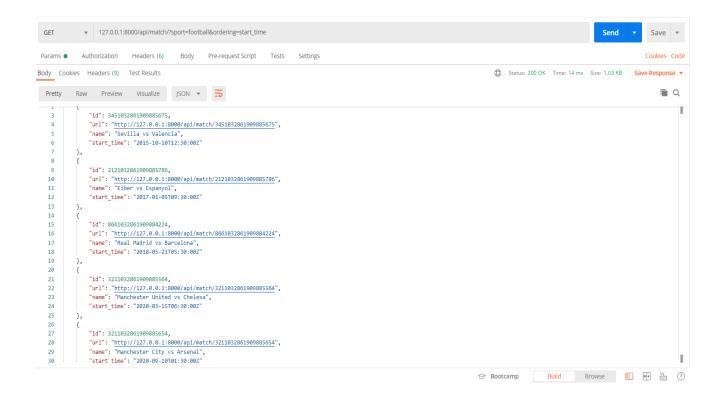
- Get match by name
- http://127.0.0.1:8000/api/match/?name=Real Madrid vs Barcelona



- List a game's details by its id
- http://127.0.0.1:8000/api/match/8661032861909884224



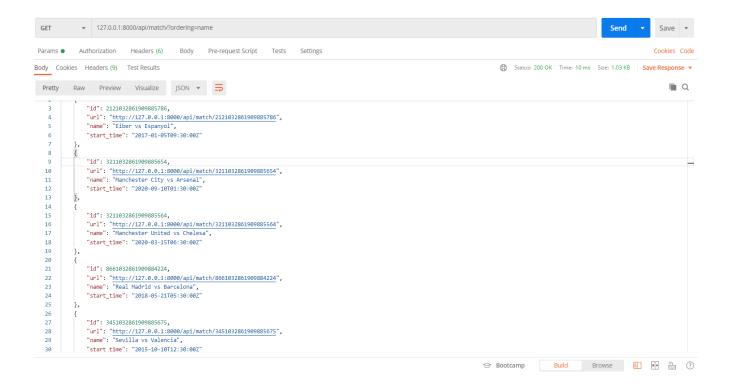
- Retrieve matches ordered by start time and sport.
- http:// 127.0.0.1:8000/api/match/?sport=football&ordering=start_time



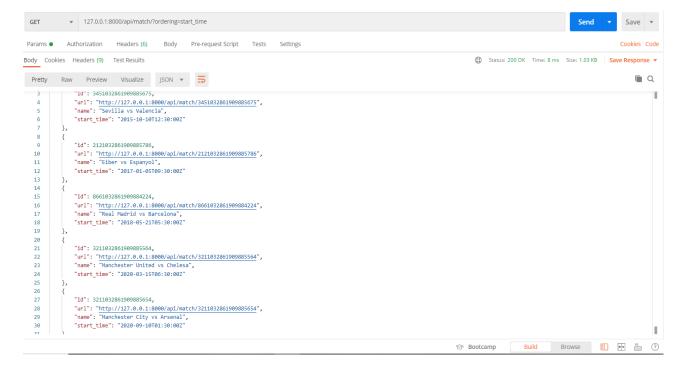
- Retrieve matches by sport type
- http:// 127.0.0.1:8000/api/match/?sport=football

```
▼ 127.0.0.1:8000/api/match/?sport=football
 GET
                                                                                                                                                                                                   Save ▼
Params • Authorization Headers (6) Body Pre-request Script Tests Settings
                                                                                                                                                                                                  Cookies Code
                                                                                                                                                  ☐ Status: 200 OK Time: 12 ms Size: 1.03 KB Save Response ▼
Body Cookies Headers (9) Test Results
           Raw Preview Visualize JSON ▼
                                                                                                                                                                                                       ■ Q
                "id": 2121032861909885786,
                "url": "http://127.0.0.1:8000/api/match/2121032861909885786",
"name": "Eiber vs Espanyol",
                "start_time": "2017-01-05T09:30:00Z"
                "id": 3211032861909885564,
   10
                "url": "http://127.0.0.1:8000/api/match/3211032861909885564",
   11
                "name": "Manchester United vs Chelesa",
   12
                "start time": "2020-03-15T06:30:00Z"
   13
   15
                "id": 3211032861909885654,
                "url": "http://127.0.0.1:8000/api/match/3211032861909885654",
"name": "Manchester City vs Arsenal",
   16
   17
                "start_time": "2020-09-10T01:30:00Z"
   19
   20
21
                "id": 3451032861909885675,
                "url": "http://127.0.0.1:8000/api/match/3451032861909885675",
   23
                "name": "Sevilla vs Valencia",
   24
25
                "start_time": "2015-10-10T12:30:00Z"
                "id": 8661032861909884224,
                "url": "http://127.0.0.1:8000/api/match/8661032861909884224",
"name": "Real Madrid vs Barcelona",
```

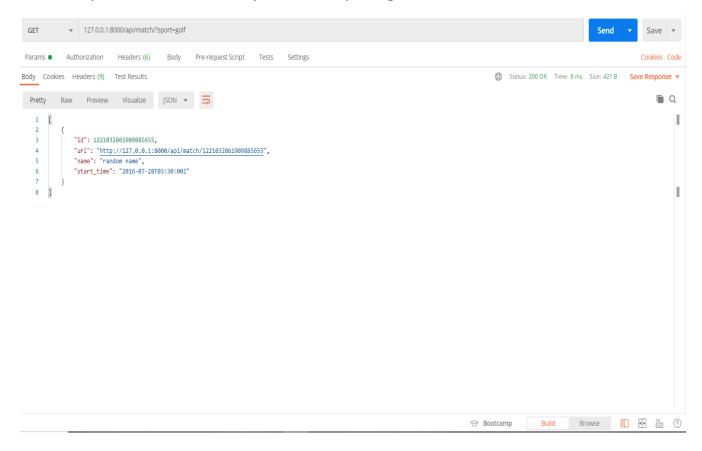
- Retrieve matches by ordering by name
- http:// 127.0.0.1:8000/api/match/?ordering=name



- Retrieve matches by ordering by start_time
- http:// 127.0.0.1:8000/api/match/?ordering=start_time



- Retrieve matches by ordering by sports name Golf
- http://127.0.0.1:8000/api/match/?sport=golf



- Retrieve matches by ordering by sports Golf ID (more than 2 selections case)
- http://127.0.0.1:8000/api/match/1221032861909885655

