

Resulta

Python Development Challenge

❖ **Introduction:** ACME Sports application returns a list of NFL events in JSON format based on the given start date and end date. The response contains data in JSON format which has a list of events.

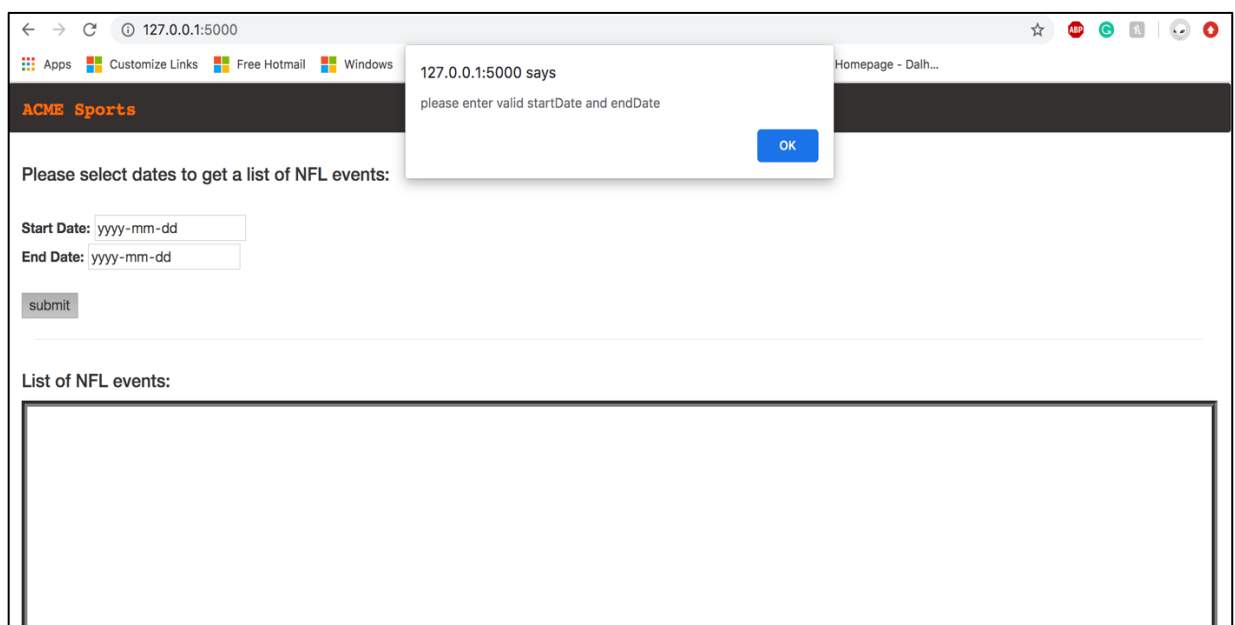
❖ **Technologies Used:** Python, Flask, JavaScript, HTML, CSS, JSON, PyCharm.

❖ **Developments steps:**

1. Create Web application front-end design using HTML.
2. Implement JavaScript to send Ajax request to the backend (Python).
3. Implement backend using flask in Python.
4. Redirect received JSON response to HTML using JavaScript.

❖ **Use case:**

1. Run app.py file which runs the application on <http://127.0.0.1:5000/>
2. Select start_date and end_date from the given date picker.
3. Click the submit button.
 - 3.1 If start_date or end_date is null, it will give an alert message to enter valid start_date and end_date.



3.2 If There are games between given start_date and end_date, it shows a list of events in JSON format.

ACME Sports

Please select dates to get a list of NFL events:

Start Date:

End Date:

List of NFL events:

```
[
  {
    "event_id": "1233827",
    "event_date": "12-01-2020",
    "event_time": "15:05",
    "away_team_id": "42",
    "away_nick_name": "Texans",
    "away_city": "Houston",
    "away_rank": "21",
    "away_rank_points": "-6.00",
    "home_team_id": "63",
    "home_nick_name": "Chiefs",
    "home_city": "Kansas City",
    "home_rank": "2",
    "home_rank_points": "21.20"
  },
  {
    "event_id": "1233912"
```

3.3 If start_date and end_date is given but there are no available NFL events between given data, then it shows an error message.

ACME Sports

Please select dates to get a list of NFL events:

Start Date:

End Date:

List of NFL events:

Sorry, there isn't any NFL event available between selected dates🙄