NHLScraper class written for DataScrape/DataApp/viewmodels.py to retrieve the next five events for the user's favorite NHL team.

```
class NHLScraper:

    def __init__ (self, team):

        #  set the user's passed favorite team name to an attribute of the instance.
        self.team = team

        #  from the user's favorite NHL team name, retrieve the team's ID (used by TheSportsDB.com api)
        #  from the record stored in the HockeyTeam model.
        nhl_team_data = get_object_or_404(HockeyTeam, team_name=team)
        nhl_team_id = nhl_team_data.team_id

        #  concatenate the team ID with the appropriate url prefix from TheSportsDB.com api to form
        #  the query for the user's favorite NHL team and read the data.
        url = 'https://www.thesportsdb.com/api/v1/json/1/eventsnext.php?id=' + nhl_team_id
        json_data = json.loads(urllib.request.urlopen(url).read())
        self.event_list = []

        #  pull strings (strFilename) from the JSON data which contain event descriptions for the team
        #  and process them to remove the "NHL " text segment at the start of each before appending to
        #  the event_list attribute.
        for index in range(0,5):
            event_str = json_data['events'][index]['strFilename']
            strip_NHL = event_str[4:]
            self.event_list.append(strip_NHL)
```

nhl_data function written for DataScrape/DataApp/views.py to render the user's request for the schedule of the next five upcoming events for their favorite team.

```
def nhl_data(request):

    #  retrieve the current logged in user.
    user = request.user
    #  get the user's data from the UserProfile model using the OneToOne user_id field.
    current_profile = get_object_or_404(UserProfile, user_id=user.id)
    #  store the user's favorite NHL team in a variable
    favorite_nhl_team = current_profile.favorite_nhl_team
    #  create an instance of the NHLScraper class, passing the user's favorite team name.
    nhl = NHLScraper(favorite_nhl_team)
    #  pass the context object nhl into the render method to supply needed data.
    return render(request, 'DataApp/nhl_data.html', {'nhl': nhl})
```

nhl_data.html written to display next five events of the user's favorite NHL team in their browser.

```
{% extends 'base.html' %}

<!doctype html>
<html>
    <head>
        <title>{% block title %}| NHL {% endblock %}</title>
    </head>
    <body>
        {% block content %}
        <h2>Next 5 Events for the {{ nhl.team }} NHL team.</h2>  #<!-- User's favorite team name is inserted here -->
            <ol>
            #<!-- Loop through the event_list attribute of the nhl object to create an ordered list of
            #     the next 5 upcoming events for the user's favorite NHL team. -->
                {% for item in nhl.event_list %}
                    <li>{{ item }}</li>
                {% endfor %}
            </ol>
        {% endblock %}
    </body>
</html>
```