

CP1895 – Course Project: Flask/Python Application

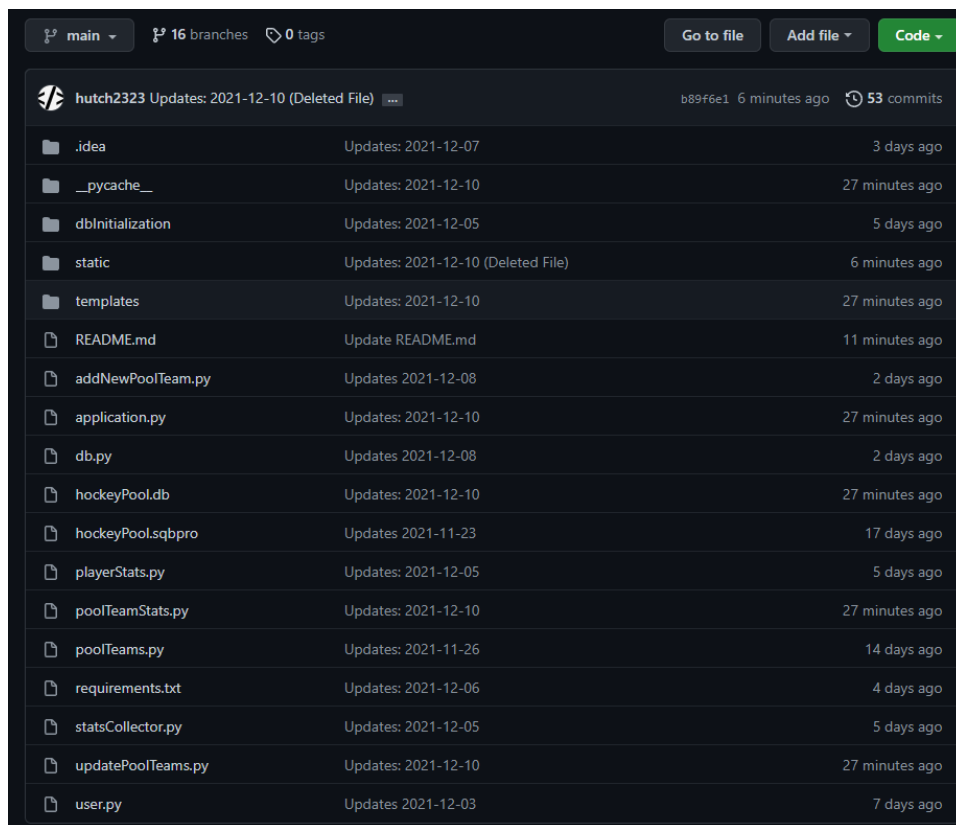
Installation & Use Guide

Description:

This plugin was designed as the course project of CP1895: Advanced Python. This Python/Flask application will allow users to select a hockey team based off of "boxes" of options and allow them to see their team's stats as they compare to other user's teams.

Download & Installation

Step 1:



- Download the files in the git repo <https://github.com/hutch2323/CP1895-CourseProject-FlaskWebApplication>
- Unzip the downloaded folder and all following files to your Python project.
- Note: All files located within **/dbInitialization** are not required for use. These are scripts that were ran to get initial information for players/teams from the NHL API

Step 2:

- In your Python Project, navigate to the terminal and run the following command in your virtual environment. This will use the requirements.txt. This will install all the modules used in the flask project .

```
pip install flask  
pip3 install -r requirements.txt
```

Step 3:

- From the terminal, run these commands to start the flask application.

```
$env:Flask_APP="application"  
$env:Flask_ENV="development"  
flask run
```

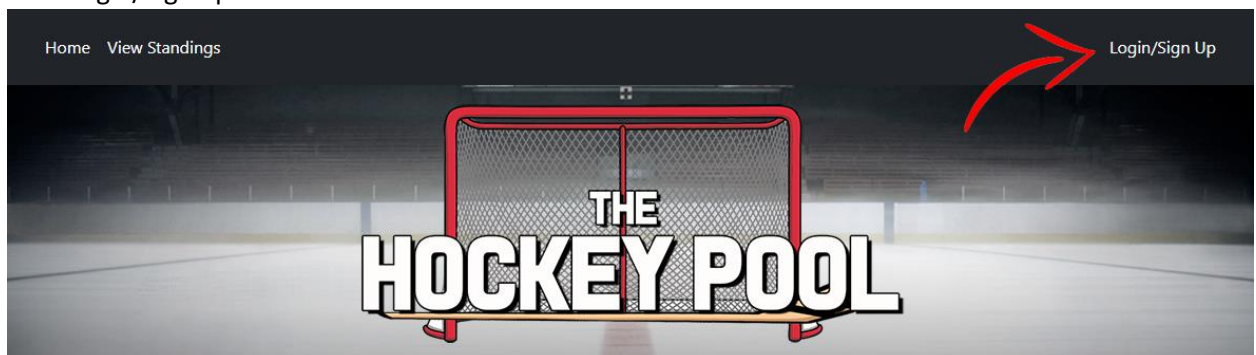
Using The Flask Application

Now that the application has been installed and is running, we will go over the instructions on how to use it.

Sign Up

Step 1:

- Click Login/Sign up



Step 2:

- Click Sign Up

Login

Username


Enter Username

Password

Enter Password

Login

Sign Up



Step 3:

- Fill out the Sign Up form and submit

Sign Up

Username

Enter Username

Email Address

Enter email

First Name

Enter first name

Last Name

Enter last name


Password

Enter password

Password (Confirm)

Confirm password

Submit



Login

- Now that the account has been created, you'll be automatically redirected back to the login page. Fill out the information and click 'Login'

Login

Username

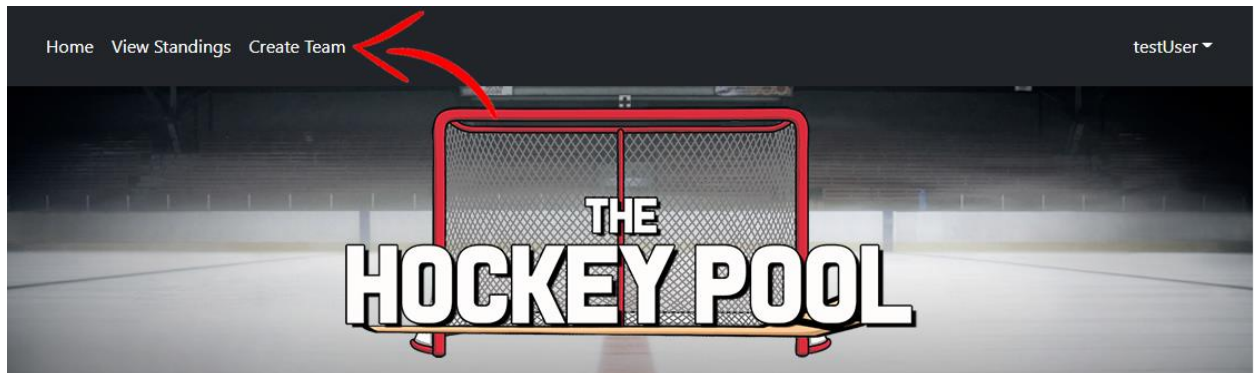
Password

[Login](#) [Sign Up](#)

Create Team

Step 1:

- Find the 'Create Team' link in the tool bar



Step 2:

- Fill out all information on the form. You must make a selection for all 21 groups

Create Team

Team Logo:

Choose File

No file chosen

* Maximum File Size: 500KB

Team Name:

Test User

Group: 1

Artemi Panarin (NYY)
Brad Marchand (BOS)
Connor McDavid (EDM)
Jonathan Huberdeau (FLA)
Nikita Kucherov (TBL)

Group: 2

Alex DeBrincat (CHI)
Auston Matthews (TOR)
Mikko Rantanen (COL)
Roope Hintz (DAL)
Sebastian Aho (CAR)

Group: 3

Leon Draisaitl (EDM)
Mark Scheifele (WPG)
Mitchell Marner (TOR)
Nathan MacKinnon (COL)
Ryan O'Reilly (STL)

Group: 4

Blake Wheeler (WPG)
Martin Necas (CAR)
Nicklas Backstrom (WSH)
Patrick Kane (CHI)
Ryan Strome (NYY)

Group: 5

Brayden Point (TBL)
Elias Lindholm (CGY)
Evgeni Malkin (PIT)
Kirill Kaprizov (MIN)
Nikolaj Ehlers (WPG)

Group: 6

Mark Stone (VGK)
Matthew Tkachuk (CGY)
Ryan Nugent-Hopkins (EDM)
Tomas Hertl (SJS)
Tyler Seguin (DAL)

Group: 7

David Perron (STL)
Jason Robertson (DAL)
Jonathan Toews (CHI)
Max Pacioretty (VGK)
Travis Konecny (PHI)

Group: 8

Claude Giroux (PHI)
Conor Garland (VAN)
John Tavares (TOR)
Pavel Buchnevich (STL)
Taylor Hall (BOS)

Group: 9

Andrei Svechnikov (CAR)
Jonathan Marchessault (VGK)
Phil Kessel (ARI)
Sean Couturier (PHI)
Zach Hyman (EDM)

Step 3:

- Click the 'Submit' button at the bottom of the form to create your team

Group: 13

Brock Nelson (NYI)
Bryan Rust (PIT)
Nick Suzuki (MTL)
Ondrej Palat (TBL)
Tyler Bertuzzi (DET)

Group: 14

Aleksander Barkov (FLA)
Jamie Benn (DAL)
Kevin Fiala (MIN)
Mathew Barzal (NYI)
Patrik Laine (CBJ)

Group: 15

David Pastrnak (BOS)
Gabriel Landeskog (COL)
Jean-Gabriel Pageau (NYI)
Teuvo Teravainen (CAR)
Timo Meier (SJS)

Group: 16

Adam Fox (NYY)
Cale Makar (COL)
John Carlson (WSH)
Shea Theodore (VGK)
Victor Hedman (TBL)

Group: 17

Aaron Ekblad (FLA)
Alec Martinez (VGK)
John Klingberg (DAL)
Morgan Rielly (TOR)
Tyson Barrie (EDM)

Group: 18

Ivan Provorov (PHI)
Jeff Petry (MTL)
Kris Letang (PIT)
Quinn Hughes (VAN)
Torey Krug (STL)

Group: 19

Andrei Vasilevskiy (TBL)
Connor Hellebuyck (WPG)
Darcy Kuemper (COL)
Igor Shesterkin (NYY)
Robin Lehner (VGK)

Group: 20

Carey Price (MTL)
Ilya Samsonov (WSH)
Semyon Varlamov (NYI)
Spencer Knight (FLA)
Thatcher Demko (VAN)

Group: 21

Cam Talbot (MIN)
Carter Hart (PHI)
Jacob Markstrom (CGY)
Jordan Binnington (STL)
Juuse Saros (NSH)

Submit

View Standings

Step 1:

- After you've successfully created your team, you will be automatically directed to the Team Standings page

Team Standings				
Rank	Team Name	Points	Point Difference	Rank Difference
1	TestAccount1	544	—	—
2	What's Kraken?	534	—	—
3	Cellar Dwellers	528	—	—
4	TestAccount111	528	—	—
5	The Dream Team	527	—	—
6	Team Robert	516	—	—
7	Test User	500	—	—
8	TestAccount8	412	—	▼ 1
9	Power Play Masters	403	—	▼ 2
10	TestAccount3	401	—	▼ 2
11	The Funny Farm	394	—	▼ 2
12	Watchful Eye	370	—	▼ 2
13	testAccount22	370	—	▼ 2
14	testAccount4	370	—	▼ 1
15	Penalty Box Series X	353	—	▼ 3
16	Wedderburn!!!	352	—	▼ 3
17	The Swordsmen	349	—	▼ 3

Step 2:

- Alternatively, you can select the 'Team Standings' link in the navigation bar above



View Team

Step 1:

- To view your team, click on your username (in the upper right-hand corner) and select 'View Team' from the drop-down



Step 2:

- Once this is clicked (or if the team name is clicked directly in the 'Team Standings' page, you will be brought to your team page (see next page)



Test User

RND	Player	Team	Position	Games Played	Goals	Assists	Points
1	Connor McDavid	EDM	C	25	16	29	45
2	Auston Matthews	TOR	C	25	17	12	29
3	Leon Draisaitl	EDM	C	25	23	22	45
4	Nicklas Backstrom	WSH	C	0	0	0	0
5	Kirill Kaprizov	MIN	LW	26	10	22	32
6	Tomas Hertl	SJS	C	27	13	6	19
7	Travis Konecny	PHI	RW	24	5	7	12
8	John Tavares	TOR	C	27	12	17	29
9	Zach Hyman	EDM	LW	25	11	8	19
10	Alex Ovechkin	WSH	LW	26	20	21	41
11	Logan Couture	SJS	C	26	8	16	24
12	Steven Stamkos	TBL	C	25	13	19	32
13	Tyler Bertuzzi	DET	LW	20	9	9	18
14	Jamie Benn	DAL	LW	24	7	6	13
15	David Pastrnak	BOS	RW	23	8	12	20
16	Cale Makar	COL	D	20	11	12	23
17	Morgan Rielly	TOR	D	28	3	20	23
18	Quinn Hughes	VAN	D	26	2	19	21

RND	Player	Team	Position	Games Played	Wins	Shutouts	Points
19	Andrei Vasilevskiy	TBL	G	21	14	2	18
20	Ilya Samsonov	WSH	G	14	11	3	17
21	Jacob Markstrom	CGY	G	20	10	5	20