

# **UNCC Faculty Website Scraper**

The UNCC Faculty Website Scraper was made to gather data from UNCC college staff directories. We gather this data because many employee pages on the UNCC Faculty Connections website are blank because employees have not taken the time to update them. The application uses many python scripts to get the data from the directories then puts all of the data into one CSV file. After the application runs the CSV will be placed into the application's folder and be named "post.csv". This CSV file can then be used with the UNCC Faculty Connections Batch Uploader to update employee profiles.

\*\*\*This application currently only works on windows\*\*\*

\*\*\*The program takes several minutes to run please be patient\*\*\*

## Requirements

- Have Google Chrome Version 108.0.5359.99
  - If you use a newer version of Google Chrome, make sure to update the driver file in the project folder.
- Internet Connection
- Windows Operating System

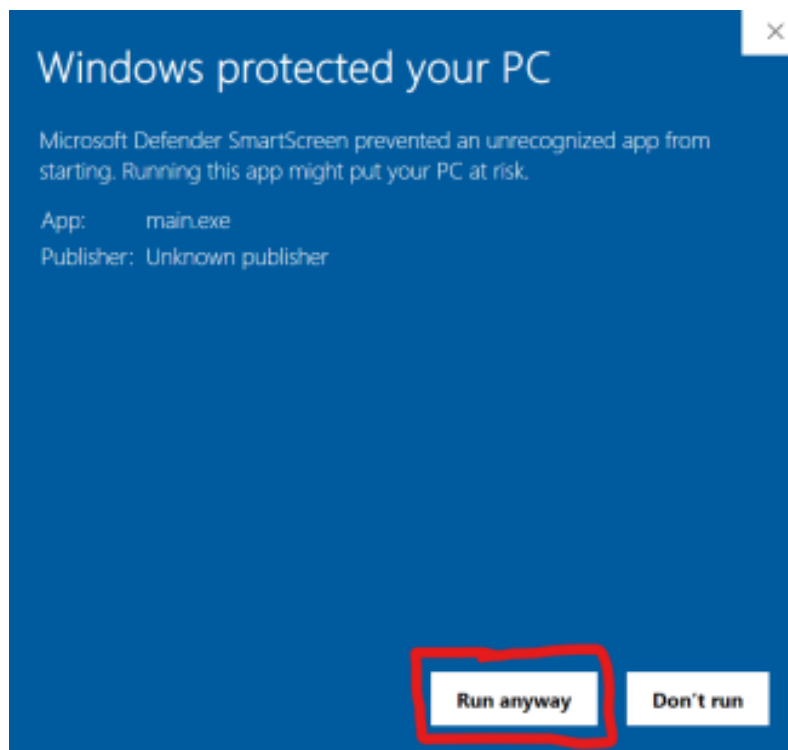
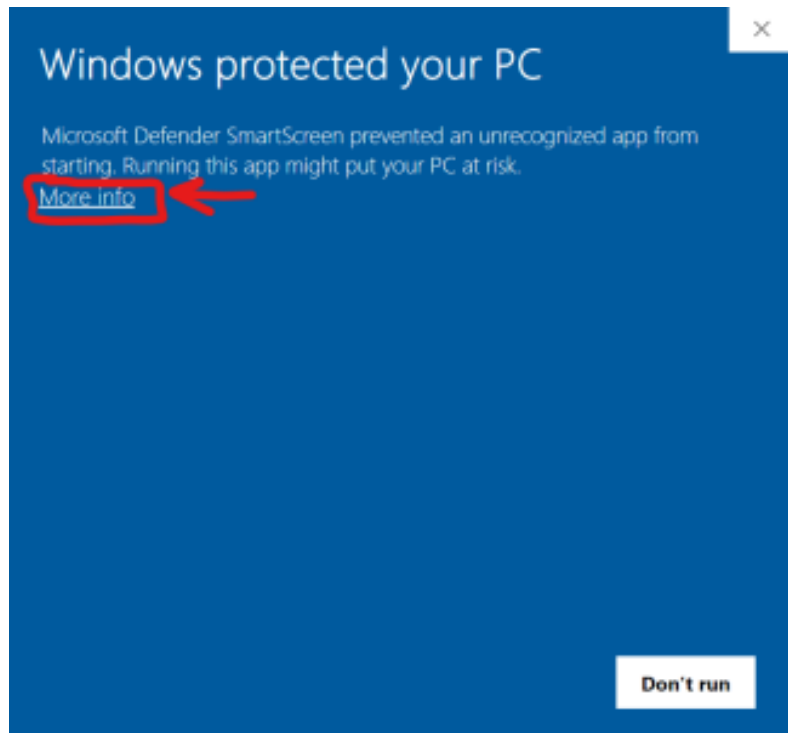
## How to run application

After downloading the folder and unzipping it, to run the application you need to double click main.exe

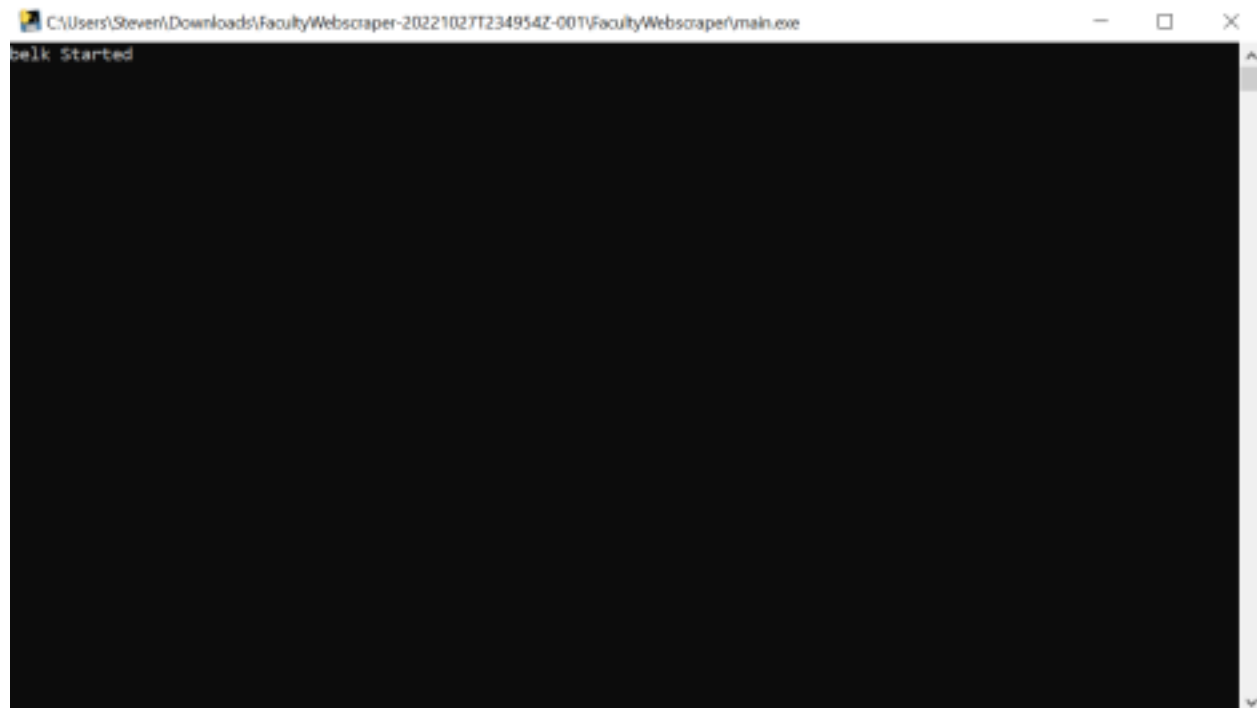
You may get a notice from windows that looks like this



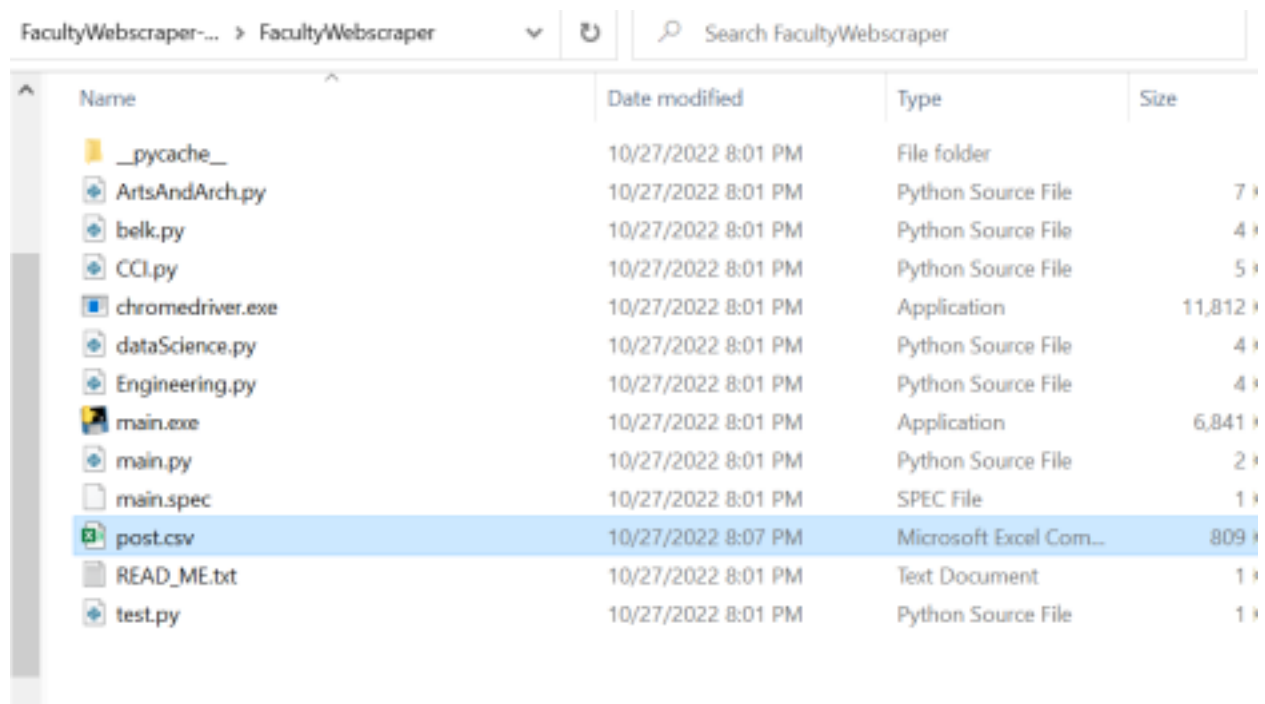
This is not a virus, it is just windows not recognising it as a safe application. To still run the application you need to press “More info” then “Run anyways”.



When the file begins it will open a command prompt and display general information



Once the application finishes running the command prompt window will close and a CSV file will appear in the folder titled "post.csv".

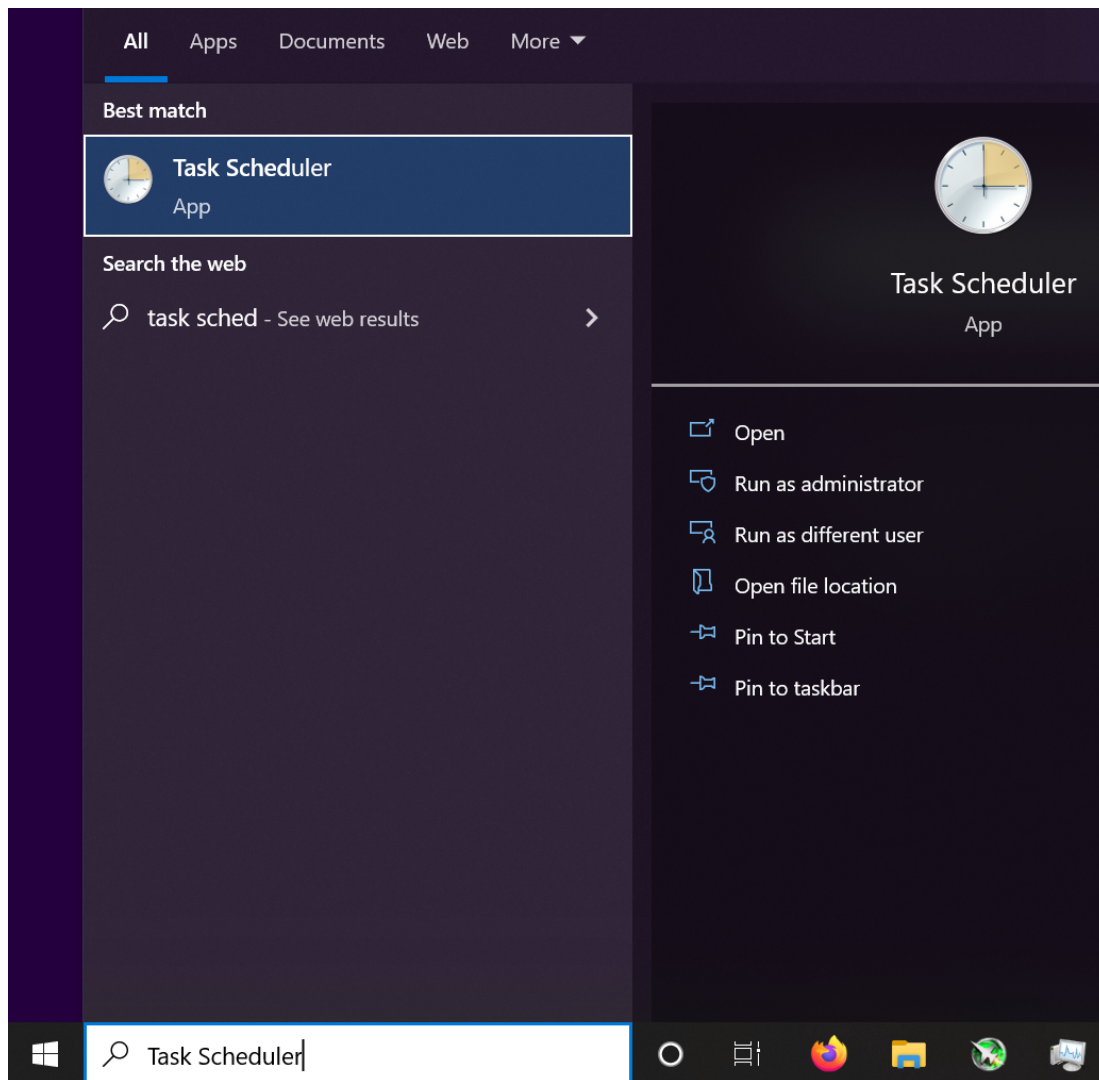


## **How to run test file**

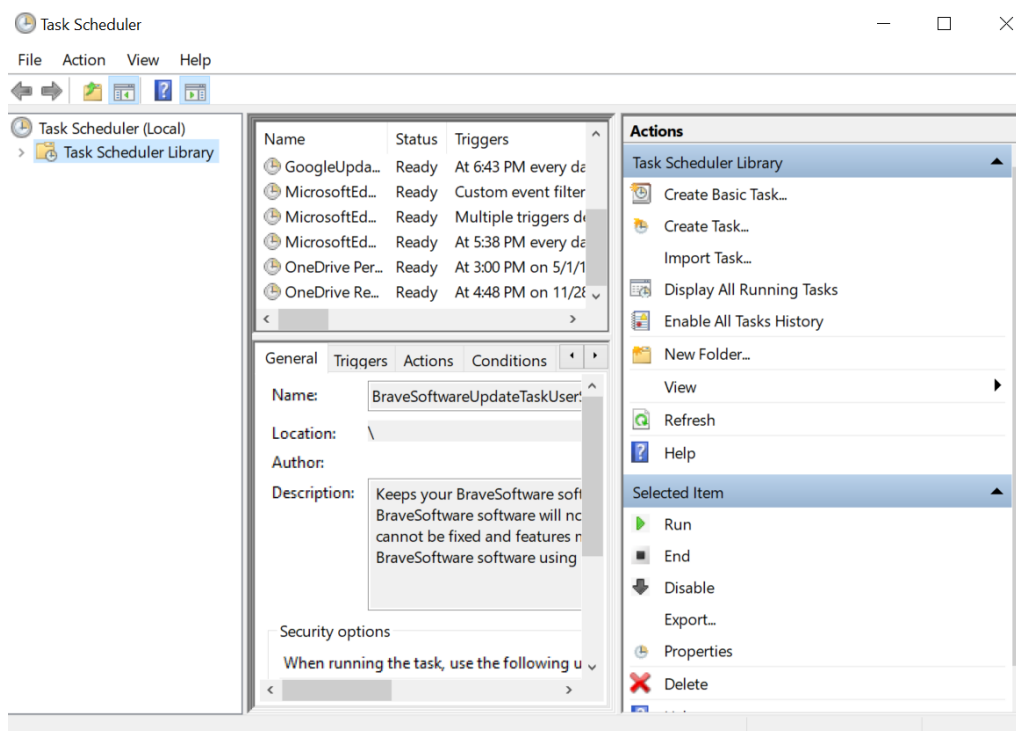
To run the test file you need to download the pytest library. Then open the command prompt and navigate to the applications file directory. Then in the command prompt run the command “pytest TestDepartments.py”. Then it should take some time and output the test results to the command prompt window.

## **How to automatically run the application**

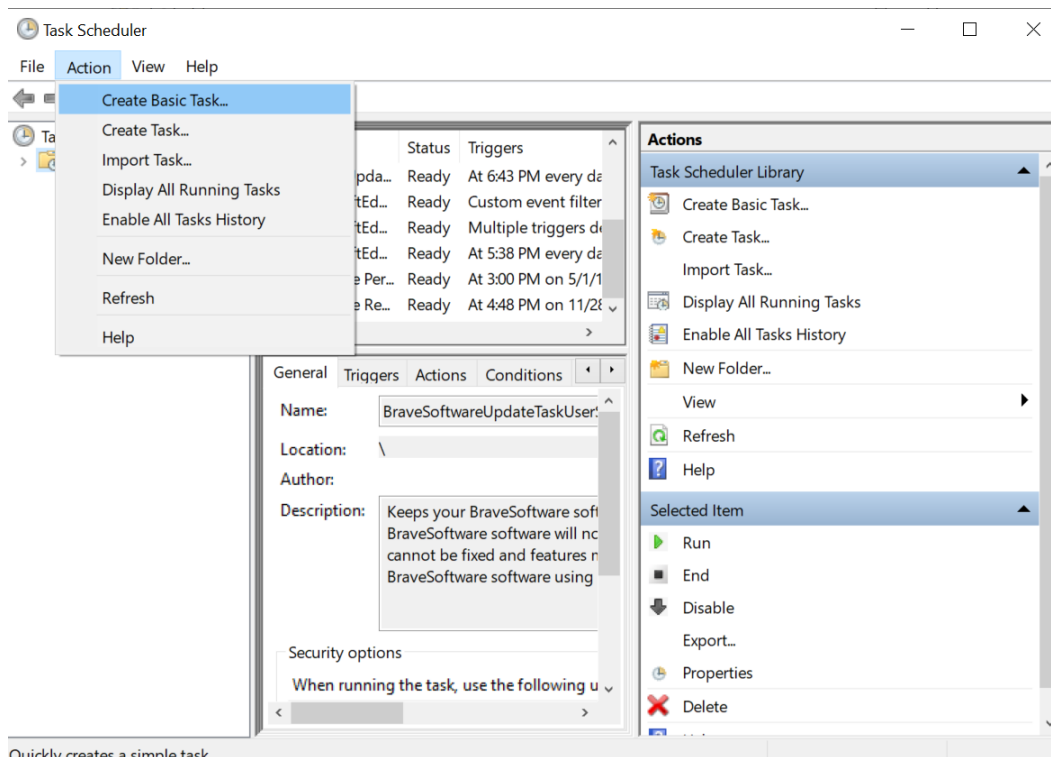
Press the windows key to open then search bar and search for “Task Scheduler”.



Open the Task Scheduler application.



Select “Action” on the menu in the top left and click on “Create Basic Task...”.



Give the task a name and description(optional). Then click on the next button in the bottom right.

Create Basic Task Wizard

Create a Basic Task

Use this wizard to quickly schedule a common task. For more advanced options or settings such as multiple task actions or triggers, use the Create Task command in the Actions pane.

Create a Basic Task

Trigger

Action

Finish

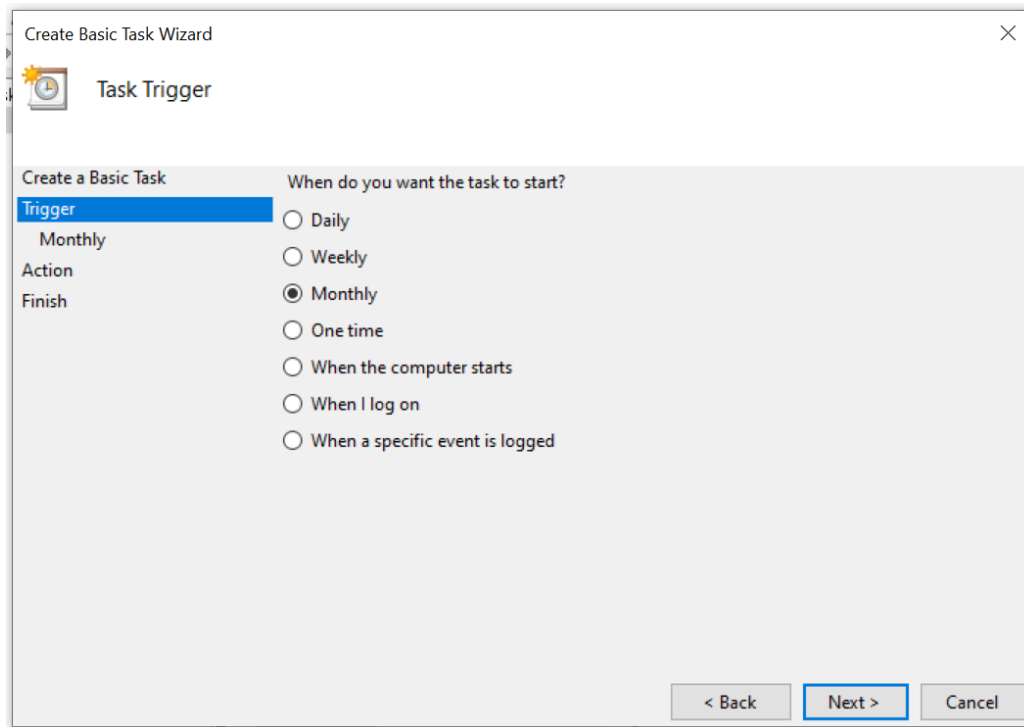
Name: Example Name

Description: Example Description

< Back Next > Cancel




Select a trigger for the task, in this case it will be monthly. Click “Next”



If you selected a time based trigger select when you want the application to be run. Click “Next”

Create Basic Task Wizard

 Monthly

Create a Basic Task

Trigger

Start: 12/ 8/2022 3:54:08 PM ☐ Synchronize across time zones

Monthly

Months: January, February, March...

Action

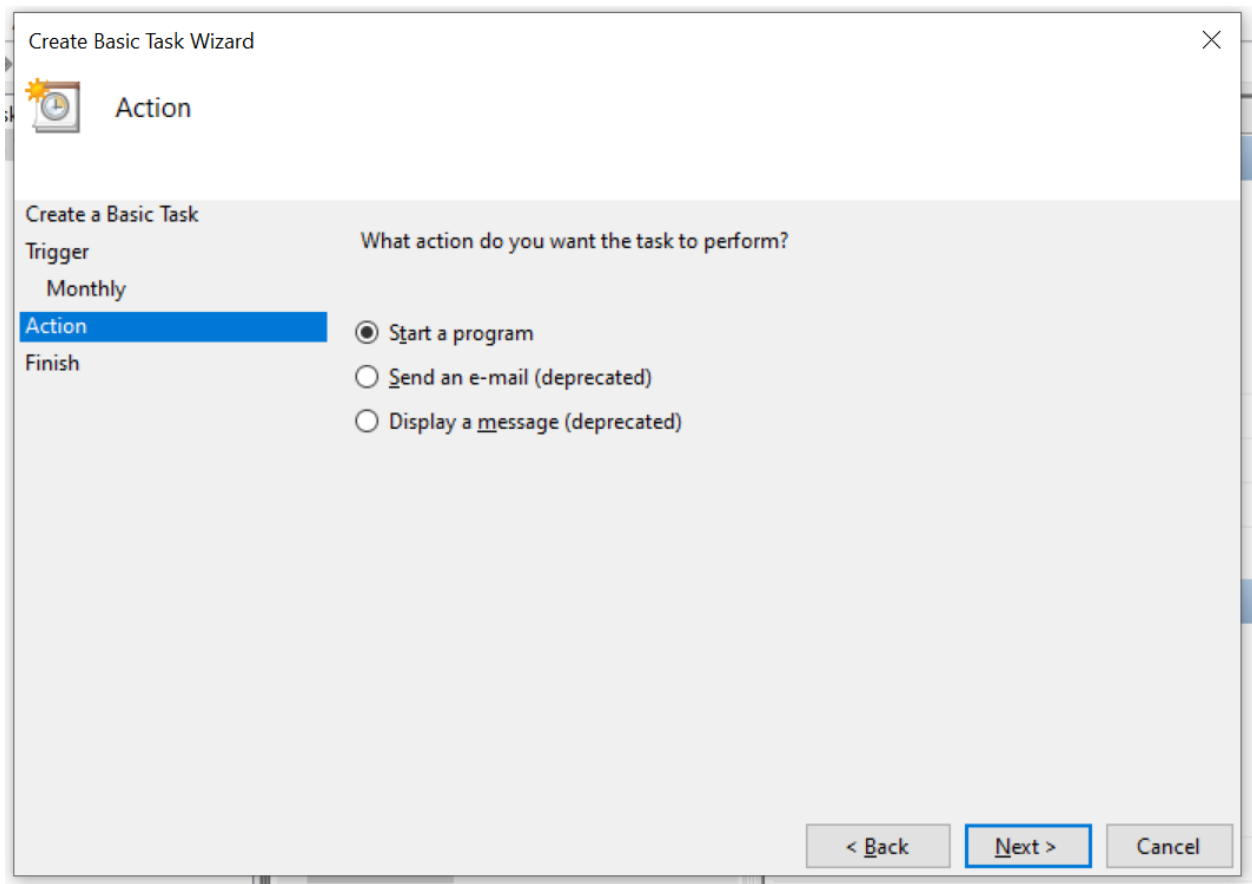
Days: 6, 23

On:

Finish


< Back Next > Cancel

Select Start a program and click “Next”



Select browse and locate the .exe file inside the project's folder. Select the .exe file and then click "Next".

Create Basic Task Wizard

 Start a Program

Create a Basic Task

Trigger	Program/script:	
Monthly	<input type="text"/>	<input type="button" value="Browse..."/>
Action	Add arguments (optional):	
Start a Program	<input type="text"/>	
Finish	Start in (optional):	<input type="text"/>

< Back   Next >   Cancel

Finally check the information for the task then click “Finish” to create the task.

Create Basic Task Wizard

Summary

Create a Basic Task

Trigger

Monthly

Action

Start a Program

Finish

Name: Example Name

Description: Example Description

Trigger: Monthly; At 3:54 PM on day 6, 23 of January, February, March, April, May, June

Action: Start a program; C:\Files\UNCC\Current\_Courses\ITSC-4155-002\current\Faculty

☐ Open the Properties dialog for this task when I click Finish

When you click Finish, the new task will be created and added to your Windows schedule.

< Back Finish Cancel

At this point the task has been created and you have now automated the running of the web scraper. Congratulations!

In the event that you want to stop the automatic re-scrapes all you need to do is open the task scheduler, find the task you created, right click on it, and click on “Delete”.

