

Capstone Project 1

Due:

Feb21st at 11:59pm

Summary:

One of the big things you need to get used to is how often you will be called to learn something on your own with little input from your supervisors and colleagues. This project will give you will get the chance to investigate an api, read documentation, write a program and write tests for a program to get our initial creative juices flowing.

Details:

[Stack OverFlow](#) is as you all know one of the best places for getting tech help. They also have a very nice jobs posting list. You are going to [query their jobs posting list](#) and [display all job postings that they have that are within 50 miles of Bridgewater](#). (Hint [use their RSS feed](#) and scrape that) and [display that data on the desktop](#) in some way.

Nitty-gritty:

Write this program in either

- Java (target whatever version is on the university computers)
- or python (you can target any version of python 3.5+)
- write it to be cross platform on desktop machines
- if using python also consider `beautifulsoup4` <https://www.crummy.com/software/BeautifulSoup/> for the web scraping
- if using java consider [jsoup](#) for the web scraping.
- If using java consider [desktop notify](#) for the popups
- Ok After playing around with this I want to really point you at the hacker news API site - read it, learn it understand it, [The hacker news API docs https://hn.algolia.com/api](https://hn.algolia.com/api)
- then read about parsing json

include in your zipped submission at least [two user stories](#) and a [tests file using junit/pytest/unittest with unit and functional tests](#) which show your code to work and be error free.