Conclusions:

* Sketchy first name matching to officer search
* May have reliability issues due to 403 forbidden errors
  + API available for purchase on Open Corporates
* Clicking “see more” under latest events requires a login

Language: Java

Handle Input:

* Require that input be either <company name> or <officer name> as first,last
* Identify whether searching company name or officer name
  + If company name, search under company, and vice versa
  + Libraries to do the search:
    - Selenium
      * [Use](https://stackoverflow.com/questions/4640972/how-to-have-java-application-interact-with-a-website)
      * [Another example](https://stackoverflow.com/questions/21286746/how-to-interaction-with-a-webpage-in-java)
    - JSoup
    - JWebUnit
* Once search is complete, scrape the url of the first result and open this URL
  + FUTURE: need to somehow identify most accurate name
  + Possible solution: If first word in String does not contain Jack or a period, go to the next result
* In the resulting company/officer page, scrape the data

Open website:

* Make a separate method to process URL
* [Utilize](https://www.tutorialspoint.com/how-to-read-the-contents-of-a-webpage-into-a-string-in-java) java.net package to open URL
  + Use class URL and URL.openStream()
* Use input streams and Scanner object to retrieve data
* Store data in string buffer? Hashmap?

Collect Data:

* What to do if nothing found on website?

Output to CSV:

* [Use](https://www.geeksforgeeks.org/csv-file-management-using-c/) of file stream fstream class in C++
* CSV format [guidelines](https://dev.socrata.com/docs/formats/csv.html)