

Instructions to execute the code:

1. Install NPM, NodeJS and Angular 7, Angular CLI, Git, Visual Studio Code, Nodemon
2. Git Clone : <https://github.com/mukeshkdangi/nypost-searchengine>
3. Run **npm install** to install all the dependencies from package.json
4. Run **npm start** to compile and run the angular code, default port:4200. This will trigger ng serve command with Proxy created: /api -> http://localhost:3000
5. Run **nodemon src/solrsearch.js** to run the NodeJs server, default port: 3000
6. Both Node and Angular are up on respective ports. Before running Node server, make sure to edit csv path in **src/solrsearch.js** from your local machine or any other server.
7. Edit csv URLtoHTML_nypost and add heading for both columns (docid, url) so it will be easy for us to parse and create a map or JSON object out of it. Later We'll use this JSON or HashMap to get missing URLs(which are not present in og_url)
8. Start your Solr using instruction mentioned on Step 1 and 2 of the assignment report.
9. I've used default ports of all service so make sure you run application on default ports like Solr on 8983, NodeJS on 3000, Angular on 4200
10. Install all the dependencies from NodeJS file **src/solrsearch.js** like solr-node, http, request, csvtojson, express libs. Once you run command mentioned in the step 5, you can directly communicate with Solr for eg <base_url> = localhost:3000

<base_url>/api/getresult?keyword=North%20Korea&rows=50&sort=pageRankFile%20desc
11. I have included only **src** folder of the Angular Project for reference purpose. For execution purpose please clone the above mentioned git project.