

For solr:

```
cd solr-7.1.1
```

```
bin\solr start
```

```
bin\solr stop -all
```

Additionally, you may find the following commands useful

Deleting all indexed entries:

```
curl
```

```
http://localhost:8983/solr/ir/update?commit=true -X  
POST -H "Content-Type: text/xml" --data-binary  
"<delete><query>*:*</query></delete>"
```

Adding back the original 10,000 tweets:

```
java -Dc="ir" -jar bin/post.jar total.xml
```

For webapp:

```
cd webapp
```

```
npm install
```

```
npm run dev
```

For updater, please run when both Solr and Webapp are running:

```
python updater.py
```

Python dependencies:

Tweepy version: 3.6.0

pandas version: 0.23.4

numpy version: 1.15.2

nltk version: 3.3

sklearn version: 0.20.1

matplotlib version: 3.0.0

requests version: 2.13.0

json version: 2.0.9