External Libraries AND ASSOCIATED FILES:

Apache OpenNLP


The Apache OpenNLP library is the external library used to find the noun phrases in our program.

We import the following jar files provided:

jwnl-1.3.3.jar

opennlp-maxent-3.0.3.jar

opennlp-tools-1.5.3.jar

opennlp-uima-1.5.3.jar

And the following import statements are used in NounPhraseParser.java

```
import opennlp.tools.parser.*;
import opennlp.tools.cmdline.parser.ParserTool;
```


There is an associated bin file which used by the parser to detect noun phrases in NounPhraseParser.java

```
"en-parser-chunking.bin"
```
Which should be left in the main folder for the program to detect.

It is of size 36 mbs approx.

Due to the file size it takes some time to open it hence resulting in a slower runtime for the noun phrases report.


Where it's used:

```
        ParserModel model = new ParserModel(is);

        Parser parser = ParserFactory.create(model);

        for (String current : sentences){
            Parse topParses[] = ParserTool.parseLine(current, parser, 1);
```