Installation guide:

This document provides short guidelines to overall Entity Search Project and their features. Overall, Entity Search Project comprises of three separate project modules and it uses the service from these projects-
1. Entity Search (For DBPedia)
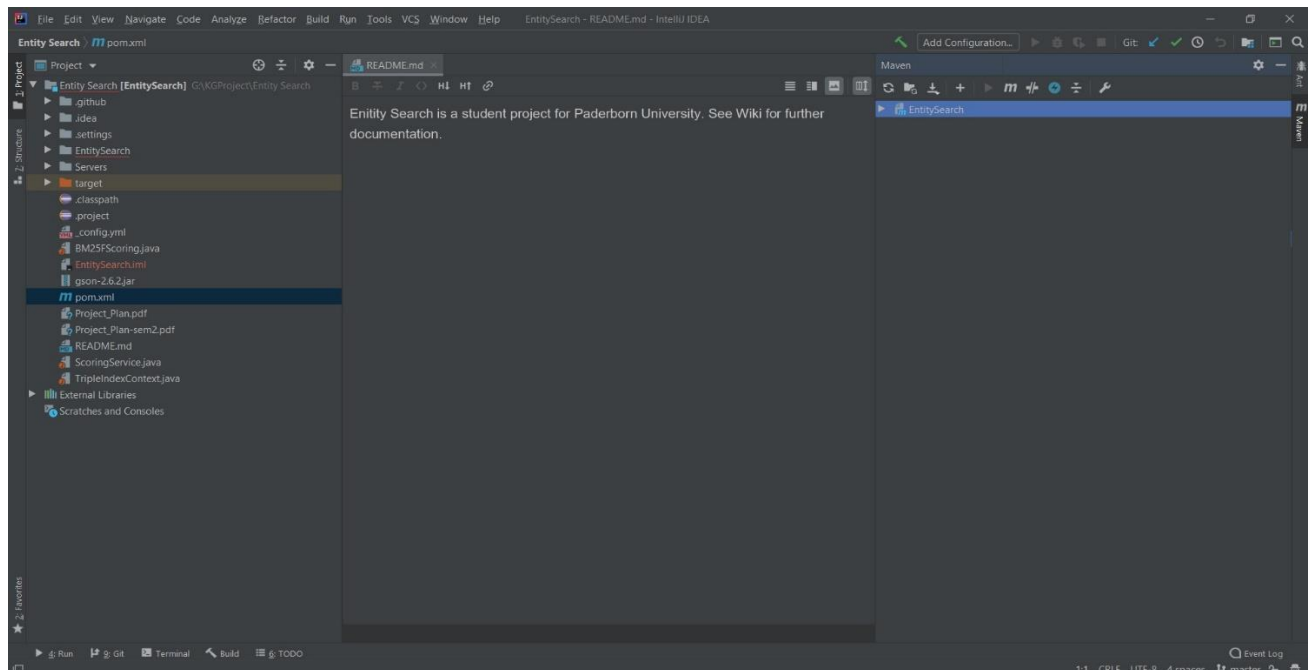2. Entity Search Wiki (For WikiData)
3. GENESIS (for UI)

Entity Search (For DBPedia)

Step 1:
Entity Search Project is uploaded in Git Download or clone the project from [here](#).
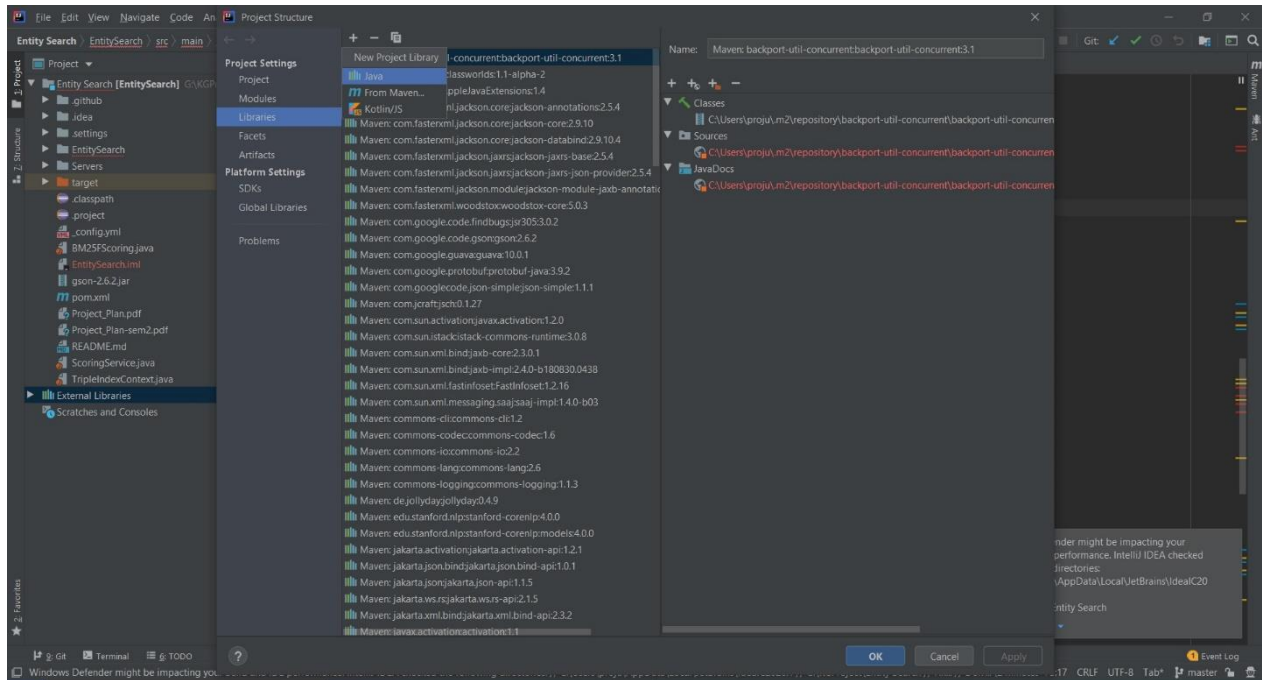
Step 2:
Import the project as a maven project.

Step 3:
This project needs AGDISTIS project as external library. Download it from [here](#).
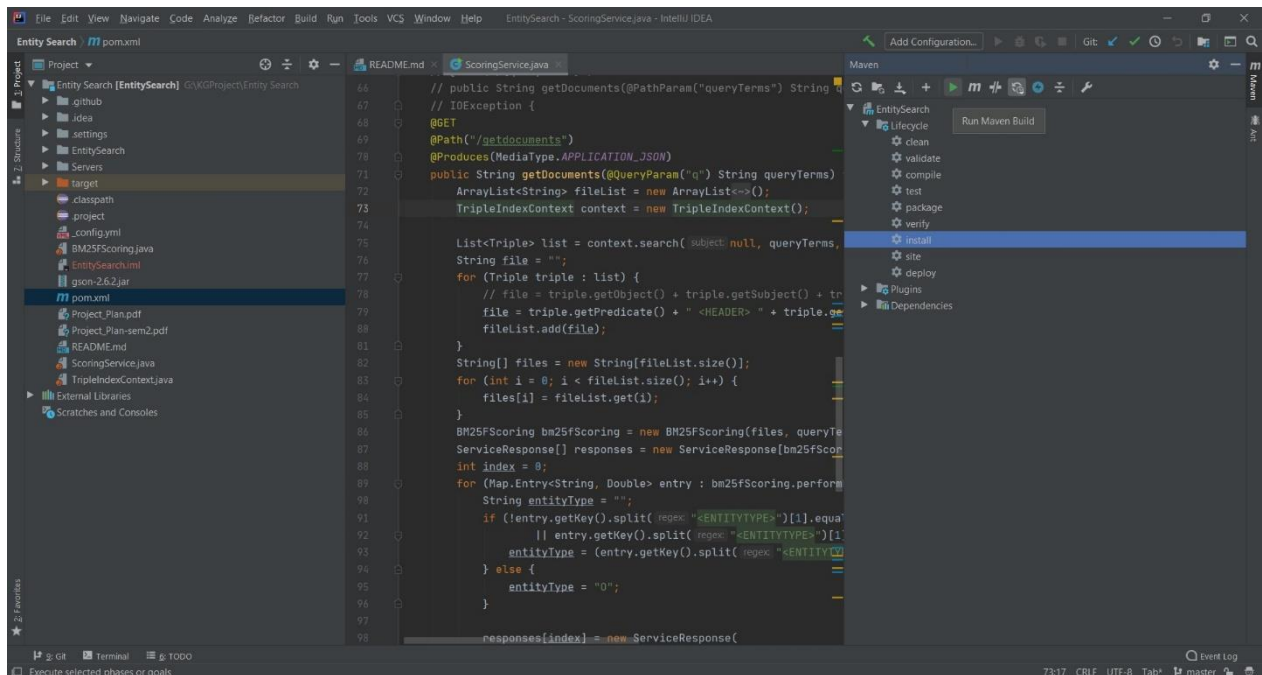
Step 4:
Go to File-> Project Settings-> Libraries-> add downloaded jar as an external java library-> click apply and ok.

Step 5:
From the command prompt, write "mvn install" or select maven install from the task pane of IDE.

Now, you are good to go with the project and start exploring!

Entity Search Wiki (For WikiData)

Step 1:
Download code from Git. This is the repository link: <u>Wikidata-EnitySearch</u>

Step 2:
Import the code and run it by following command:
mvn clean package tomcat:run -DskipTests

Make sure your Tomcat server is configured.
You can run GetEntityData class individually as a java application to get the result for the searched entity.

GENESIS (for UI)
For older Genesis, go through the following <u>URL</u>.

Step 1:
Download and import the code from the <u>Git</u>.

Step 2:
Make sure your computer already has node.js installed. Otherwise, download from the following URL and follow the company guidelines.
<u>https://nodejs.org/en/</u>

Step 3:
Go to package.json file and change the "start" node inside scripts tag to the following:

```
"start": "set NODE_ENV=production && node index.js"
```

Step 4:
Go to config.js and select the data source (either DBPedia or WikiData). Make sure to comment the other one.

```
exports.luceneService = process.env.LUCENE_SERVICE ||
'http://localhost:8080/EntitySearch/scoringService/getDocumentsFromDBPedia';
exports.luceneService = process.env.LUCENE_SERVICE ||
'http://localhost:8080/EntitySearch/scoringService/getDocumentsFromWikiData';
```

Finally, you can get the result in your local server and done with installation process.