

Duplication visualizer manual

1. Using the report tool

First you have to import the main file of the series2 assignment

```
1 | import series2::Main;
```

Then you can run one of these functions:

```
1 | /*
2 |     Will exexute the meterics on a test project
3 | */
4 | public void testExampleJavaProject() {
5 |     writeAnalyses("test-project", |project://use-test-project|);
6 | }
7 |
8 | /*
9 |     Will exexute the meterics on smallsql
10 | */
11 | public void testSmallsqlJavaProject() {
12 |     writeAnalyses("smallsql", |project://smallsql|);
13 | }
14 |
15 |
16 | /*
17 |     Will exexute the meterics on hsqldb
18 | */
19 | public void testHsqlJavaProject() {
20 |     writeAnalyses("hsqldb", |project://hsqldb|);
21 | }
```

2. Running tests

Some of the tests are based on the M3 model which requires a valid Java project.

To run these tests you need a project called `use-test-project` in your eclipse workspace.

This project can be found here: <https://github.com/lauwdude/use-test-project>

After importing the files from `series2/Tests` you should be able to run `:test` successfully.

3. Visualization

The resulting JSON files can be pasted into: <http://software-evolution.schneider.click/>

If you want to build the visualization tool, which is based on React, D3.js and vis.js, from source you can clone this repository:

<https://github.com/schneider-simon/duplication-visualization>

Prerequisites to build the visualization tool are:

1. Node
2. NPM
3. Yarn

```
1 # install dependencies
2 yarn
3
4 # run development server
5 yarn start
```

Now you can access the tool at `localhost:3000`