# 1. Download the Project

Download the maven project from GitHub to setup the solution in the user system.

# 2. Pre-requisite

The following software required to be installed to use this solution.

Software	Version	Download Link
Java (JDK)	1.8	Link
Eclipse IDE	Latest Version	<u>Link</u>
ElasticSearch	Latest Version	<u>Link</u>

### 3. Standalone Solution

Integrate this solution into the existing java selenium automation framework or create the new java maven project to perform early accessibility audits and client-side performance of the web pages. This document will describe the details of the usage as a standalone solution however it can be modified slightly to integrate it with the existing selenium framework.

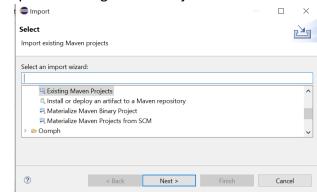
### 4. Import as Maven Project

Follow the below steps to import the maven project.

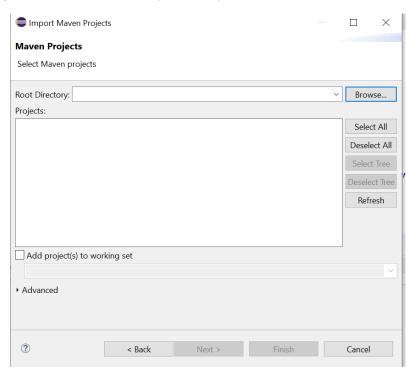
Open Eclipse

0

File->Import->Existing Maven Projects



Select the downloaded project directory and click 'finish'



# 5. Invoke the web page using Java Selenium

Use the below code snippet to perform accessibility audits for your webpage:

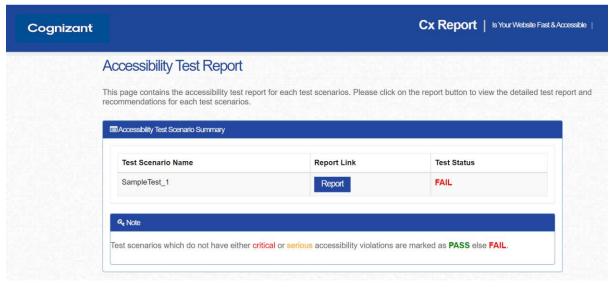
```
driver.get("<YOUR WEB PAGE URL>");
filelist = runA11y.exec("<PATH_TO_CREATE_JSONREPORT>", "<WEB PAGE NAME>", driver);
```

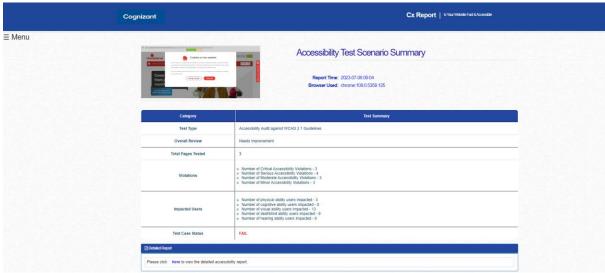
Use the below code snippet to perform client-side performance evaluations:

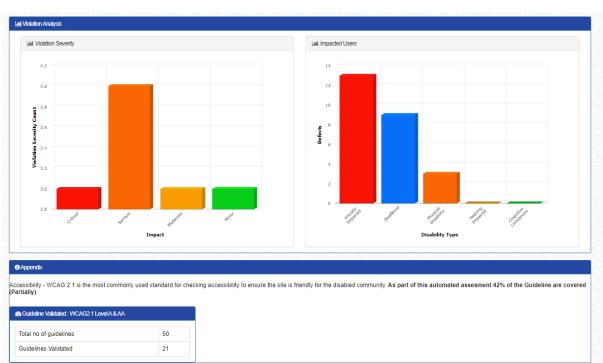
JSON response for the accessibility and performance audits will be created with the audit results and recommendations to the performance and accessibility issues at the end of the run. It can be viewed in the user preferred format. This document shows the custom report prepared by our own HTML report and Kibana dashboard as an example.

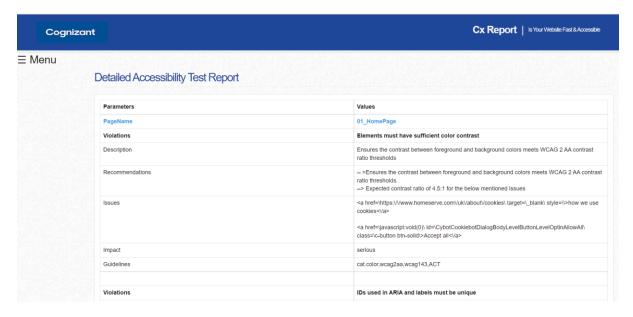
# 6. Sample Accessibility Audit Reports

Snapshots shown below are the sample HTML report created from the JSON response after the audits:



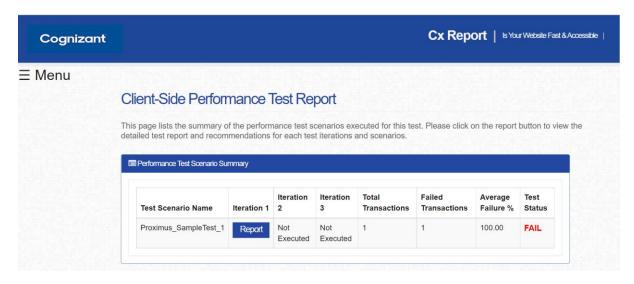


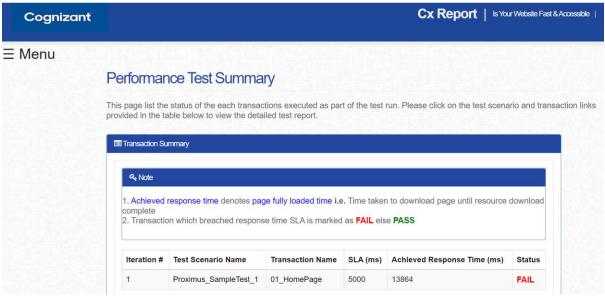




# 7. Sample Client-Side Performance Reports:

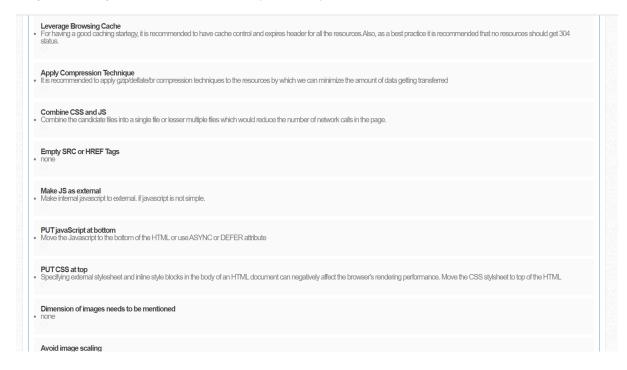
Snapshots shown below are the sample HTML report created from the JSON response after the performance evaluation:











# 8. Sample Accessibility Report View from Kibana

The JSON response stored in the elasticsearch can be viewed in the dashboard like Kibana. User can create the dashboard of their own interest based on their requirements. Snapshots shown below are from Kibana for the accessibility audit results.

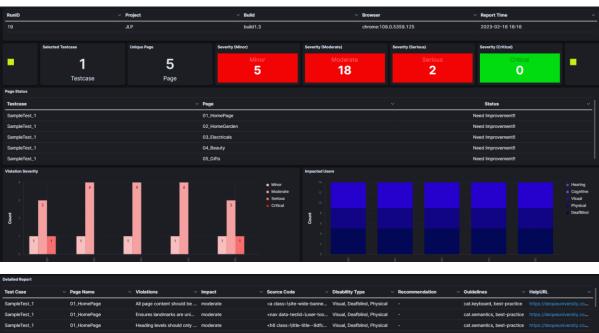
Sample AT Report from Kibana Dashboard:

### LIST OF RUNS:





### **Individual Test Run Report:**





### Comparison report for the different test runs:

