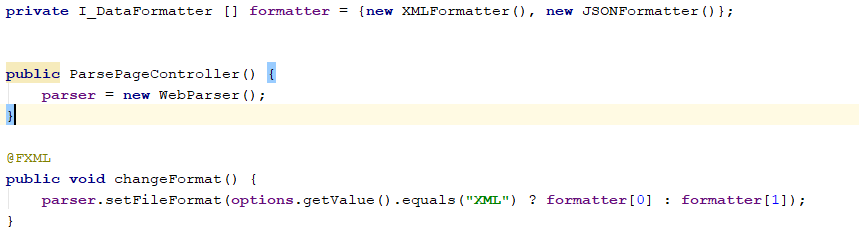
**Scenario**

The project is an automation testing framework used for testing front end web applications. It makes use of 3rd party APIs such as JSoup for scanning and extracting web elements from websites that can be stored in XML or JSON format which serves like a database. This gives the user the ability to construct tests from these collections of elements or edit previous tests. When running an automated test, elements are loaded from a file, read sequentially, and sent to the Selenium API that navigates a website from the input given which simulates a user and logs information of the validity of elements.

**Strategy**

Our use of the strategy pattern was used in our project to pick different file formats when saving web elements, with either the choice of XML or JSON. Our implementation was done using a I\_DataFormatter interface for XMLFormatter and JSONFormatter.

In the ParsePageController it holds a reference to an array of concrete types with the Interface and the WebParser.



They can be swapped in the WebParser that holds an interface I\_DataFormatter that done by changing in the view by ParePageController by calling changeFormat which changes the concrete type using setFileFormat in WebParser which has a different convertFile implementation.

