Downloading and Configuring Atom: A Beginner's Guide

Atom is a text editor with support for a number of programming and markup languages, including XML. It is free and open source. Through a plug-in, it can be used to validate XML files against a schema—for example to make sure the file being edited follows [TEI](TEI) rules. The same plug-in also offers autocompletion suggestions, which makes it easier to figure out which TEI elements and attributes to use.

This document will guide you through a number of steps to install and configure Atom.

1. Download Atom

Atom can be downloaded at https://atom.io/. Versions are available for Windows, Mac, and Linux. Select and install the appropriate version for your operating platform, as you would any other application.
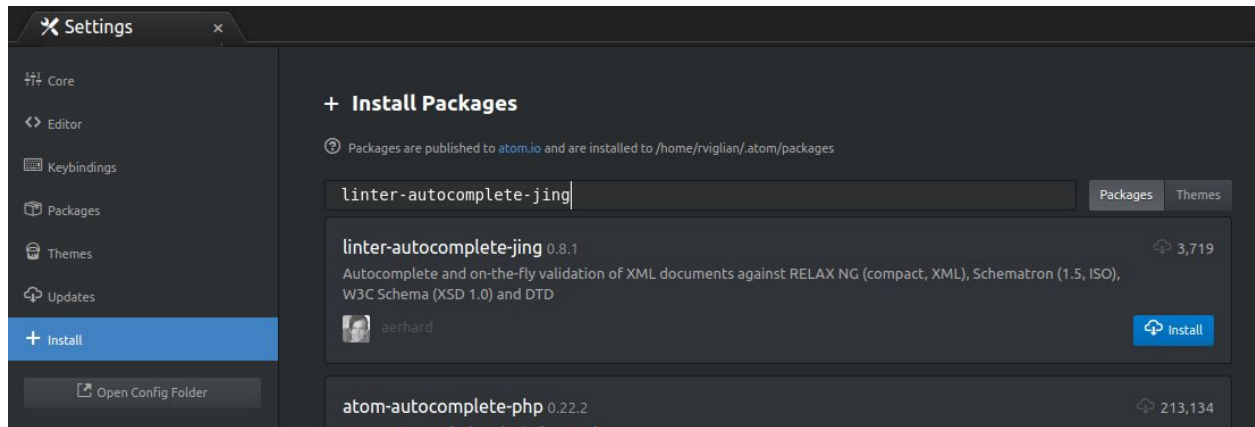
2. Install Java Development Kit (JDK)

The plug-in to validate XML requires Java code, a very common programming language. The JDK can be downloaded here: http://www.oracle.com/technetwork/java/javase/downloads/jdk9-downloads-3848520.html. Make sure to select the correct platform (Windows, Mac OS, etc.) and follow the instructions to install it.

3. Add plug-in to Atom

- Open Atom and access its settings from the main menu: "Atom" → "Preferences"
- Select "Install"
- In the search bar, enter "linter-autocomplete-jing"
- When the corresponding result appears, click on "Install"
- If prompted to "install dependencies," click "Yes"
- When the installation is complete, quit and restart Atom

4. Test plug-in

- In Atom, open an "untitled" new project window from the main menu bar: "File" → "New File."
- Copy and paste the TEI template below to test the plug-in.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-model
href="http://www.tei-c.org/Vault/P5/current/xml/tei/custom/sc
hema/relaxng/tei_all.rng" type="application/xml"
schematypens="http://relaxng.org/ns/structure/1.0"?>
<?xml-model
href="http://www.tei-c.org/Vault/P5/current/xml/tei/custom/sc
hema/relaxng/tei_all.rng" type="application/xml"
schematypens="http://purl.oclc.org/dsdl/schematron"?>
<TEI xmlns="http://www.tei-c.org/ns/1.0">
  <teiHeader>
      <fileDesc>
          <titleStmt>
              <title>Title</title>
          </titleStmt>
          <publicationStmt>
              <p>Publication Information</p>
          </publicationStmt>
          <sourceDesc>
              <p>Information about the source</p>
          </sourceDesc>
      </fileDesc>
  </teiHeader>
  <text>
      <body>
          <p>Some text here.</p>
```

```
        </body>
    </text>
</TEI>
```

The first three lines (in grey above) (1) indicate that this is an XML file, and (2) associate this file with the latest TEI schema available online.

- Navigate to "File" → "Save As…" to save the file with an ".xml" extension to activate the plugin (e.g. "*test.xml*"). Perform the operations below to make sure the plug-in is working properly.
- Check for error messages (indicated by a red-colored circle along the left-hand side) when the XML is not "well formed", e.g. by removing a closing tag.

```
18      <text>
19          <body>
20              <p>Some text here.|
21    •        </body>
22       </text>| The element type "p" must be terminated by the matching end-tag "</p>".
23    </TEI>
24
```

- Start typing a new attribute or element to get autocompletion suggestions.

```
            <body>
•               <p>Some <ab| text here.</p>
            </body>  <>   abbr
```