

### Pass Task 2.1.2

#### XML:

```
<reading_list>
  <finished_reading>
    <book>
      <title>Fifty shades of grey</title>
      <author>E.L James</author>
      <date_read>
        <month>May</month>
        <year>2016</year>
      </date_read>
      <opinion>Did not enjoy</opinion>
    </book>
    <book>
      <title>The grass is singing</title>
      <author>Doris Lessing</author>
      <date_read>
        <month>June</month>
        <year>2016</year>
      </date_read>

      <opinion>Enjoyed</opinion>
    </book>
    <book>
      <title>A short history of nearly everything</title>
      <author>Bill Bryson</author>
      <date_read>
        <month>July</month>
        <year>2016</year>
      </date_read>

      <opinion>Informative</opinion>
    </book>
  </finished_reading>
  <planned_reading>
    <book>
      <title>JSON in 24 hours</title>
      <author>Peter Settler</author>
      <purpose>Work</purpose>
    </book>
    <book>
      <title>Miss Smilla's feeling for snow</title>
      <author>Peter Hoeg</author>
      <purpose>Entertainment</purpose>
    </book>
  </planned_reading>
</reading_list>
```

The XQuery that would return all book titles would be the following;  
reading\_list/\*/book/title

Preview:

The screenshot shows a web browser window with the URL "Not Secure - videlibri.sourceforge.net". The page title is "Template / XPath 3.0 / XQuery 3.0 / CSS 3 Selector / JSONiq Online Tester". Below the title, there is a sub-header "Template / XPath 3.0 / XQuery 3.0 / CSS 3 Selector / JSONiq Online Tester". A note says "(You can find the documentation below)".

The main interface is divided into two main sections. The top section is for input and configuration. It includes a text area for "HTML/XML-Input file:" with a dropdown menu set to "xml". To the right of this text area is a toolbar with radio buttons for "Template", "XPath 3.0", "XQuery 3.0" (which is selected), "CSS 3 selectors", and "Autodetect". Below the text area is a code editor showing XML code:

```
31 </book>
32 </finished_reading>
33 <planned_reading>
34   <book>
35     <title>JSON in 24 hours</title>
36     <author>Peter Settler</author>
37     <purpose>Work</purpose>
38   </book>
39   <book>
40     <title>Miss Smilla's feeling for snow</title>
41     <author>Peter Hoeg</author>
42     <purpose>Entertainment</purpose>
43   </book>
44 </planned_reading>
45 </reading_list>
46
```

Below the code editor is a toolbar with buttons for "Submit", "disable auto refresh", and "disable syntax highlighting". To the right of the code editor is a text area for the output, showing the result of the XPath expression "reading\_list//book/title":

```
1 reading_list//book/title
```

Below the output text area is a section for "Output Options". It includes a dropdown for "Node format:" set to "text", a dropdown for "Output format:" set to "ad hoc", and checkboxes for "Show types" and "Hide variable names". Below this is a section for "Compatibility" with a dropdown set to "Enable all extensions". Below that is a section for "Work in progress" with radio buttons for "XPath 3.1" and "XQuery 3.1".

The bottom section is titled "Result of the above expression applied to the above HTML file:". It contains a text area showing the result of the XPath expression:

```
1 Fifty shades of grey
2 The grass is singing
3 A short history of nearly everything
4 JSON in 24 hours
5 Miss Smilla's feeling for snow
6
```