

Pass Task 2.1.3

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 FLWOR expression 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 link to documentation: [\(You can find the documentation below\)](#).

The main interface consists of two text areas for input. The left text area contains an XML document snippet:

```
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
```

The right text area contains an XQuery expression:

```
1 for $o in reading_list/planned_reading
2 let $b := $o/book
3 return $b/title
```

Below the input areas, there are several controls:

- Submit** button
- ☐ **disable auto refresh**
- ☐ **disable syntax highlighting**
- Output Options:** Node format: `text` | Output format: `ad hoc` | ☐ **Show types** | ☐ **Hide variable names**
- Compatibility:** ☒ **Enable all extensions**
- Work in progress:** ☐ **XPath 3.1** | ☐ **XQuery 3.1**

The **Result of the above expression applied to the above HTML file:** section shows the output of the XQuery expression:

```
1 JSON in 24 hours
2 Miss Smilla's feeling for snow
3
```