

Semantic Web

Exercise sheet 4

Web of Data

Exercise 1 (Microformats) (6 points)

Embed the proper Microformat data into the HTML page given below.

```
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
    <base href="http://www.sti-innsbruck.at/" />
    <link rel="stylesheet" type="text/css" href="typo3temp/stylessheet_9430803bf8.css" />
    <link rel="stylesheet" type="text/css" href="fileadmin/stylesheets/subpage_general.css" title="" />
    <link rel="stylesheet" type="text/css" href="fileadmin/stylesheets/subpage.css" title="home" />
    <link rel="alternate stylesheet" type="text/css" href="fileadmin/stylesheets/subpage_medium.css"
title="home_medium" />
    <link rel="alternate stylesheet" type="text/css" href="fileadmin/stylesheets/subpage_large.css"
title="home_large" />
    <script language="JavaScript" src="fileadmin/scripts/styleswitcher.js" type="text/javascript"></script>
    <script language="JavaScript" src="fileadmin/scripts/page.js" type="text/javascript"></script>
    <title>STI Innsbruck - Events</title>
    <script type="text/javascript" src="typo3temp/javascript_56ae7398ee.js"></script>
  </head>
  <body>
    <div id="container">
      <div id="box">
        <div id="main_content">
          <div id="content">
            <div id="title">
              <h1>Events</h1>
            </div>
            <div>
              <a id="c61"></a>
              <div class="tx-derievents-pil">
                <p>This page lists upcoming events. Please see the <a
href="research/events/archive/">archive</a> for more on held events.</p>
                <hr />
                <div>
                  <div class="twocolumnsright">
                    <p style="text-align:center; ">
                      <a href="http://www.fis2010.org/" target="blank">
                        
                      </a>
                    </p>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>
```

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target="blank">fis2010.org</a></div>
  <div class="projects_subheadings">Venue</div>
  <div class="details_indented_15px">Berlin, Germany</div>
  <div class="projects_subheadings">Date</div>
  <div class="details_indented_15px">September 20-22, 2010</div>
  <div class="details_indented_15px"></div>
</div>
<div>
  <h2><a name="126"></a>3rd Future Internet Symposium 2010 (FIS 2010)</h2>
  <p>The Future Internet Symposium (FIS 2010) is now in its third year and will once again
offer a forum for researchers and practitioners to discuss key issues in the Future Internet: networks,
services, multimedia, Internet of Things, security and trust. This year we will offer a particular focus on
the aspect of virtualisation of ICT resources and services.</p>
  </div>
  <div class="clearer"></div>
</div>
</div>
</div>
</div>
</div>
</div>
</body>
</html>

```

Exercise 2 (RDFa) (6 points)

Using the page from Exercise 1 embed the RDFa description into the page. Explain in your words what is the difference between these two representations? (min ¼ page, max ½ page).

Exercise 3 (Linked Data) (6 points)

Explain in your own words what is represented by Linked Data initiative and what are the main governing principles? (min ½ page, max ¾ page).

Exercise 4 (void) (2 points)

Explain in your own words what is void while focusing on its main characteristics. (min ¼ page, max ½ page).