

Client Side Web Development Weeks 1 & 2.

Lecturers need a simple mechanism for displaying tutorials that students can work their way through.

The exercise is to build a Tutorial website that allows you to build and display tutorials (a collection of 'page-by-page' instructions). It lets me see how you go about planning solutions to problems and the skills that you have to implement and test them.

Points to consider:

What is a tutorial?

In what format is a 'tutorial' represented eg XML, json, text, html, other?

What is the structure of a tutorial?

You probably need to store things like the author, titles, page descriptions and where the data lives to name a few of the possible meta data along with the actual tutorial info and the types of data that your tutorial system will support

eg Using xml it could be something like the following:

```
<tutorial version="1">
  <title>jQuery (an introduction)</title>
  <author>John Doe</author>
  <date>2017-09-26, 12:01:21</date>
  <pageList>
    <page>
      <title>Introduction</title>
      <location>file:///Users/jDoe/jquery/chapter1/introduction.html</location>
    </page>
    <page>
      <title>Adding events to elements</title>
      <location>file:///Users/jDoe/jquery/chapter1/addingEvents.txt</location>
    </page>
    <page>
      <title>Capturing mouse events</title>
      <location>file:///Users/jDoe/jquery/chapter1/mouseEvents.json</location>
    </page>
    <page>
      <title>Using mouse events - demo</title>
      <itemList>
        <location>file:///Users/jDoe/jquery/chapter1/mouseEvents1.png</location>
        <location>file:///Users/jDoe/jquery/chapter1/mouseEvents2.png</location>
        <location>file:///Users/jDoe/jquery/chapter1/mouseEvents3.png</location>
        <location>file:///Users/jDoe/jquery/chapter1/mouseEvents4.png</location>
      </itemList>
    </page>
    <page>
      <title>Wrapping Up</title>
      <location>file:///Users/jDoe/jquery/chapter1/complete.pdf</location>
    </page>
  </pageList>
</tutorial>
```

How do you move from 'page' to 'page' – what sort of navigation menus will you employ to allow users to access info in both sequential and arbitrary order?

What visual effects do you support as you transition between 'pages'?

How easy is it to expand or maintain your tutorial?

How do you create, edit and share your tutorials?

NB I don't necessarily expect all of these parts to be implemented but you should think about them all.