

# Week 5 unassessed exercise

The aims of this week's exercise are:

- to familiarise yourself with the editor you're using (like vi or Sublime)
- to familiarize yourself with the process of checking the correctness of your code
- to familiarize yourself with the process of uploading a file to the webserver

## Step 1:

Make sure your editor is set to UTF-8 as text encoding

## Step 2:

Enter the following text (do not copy/paste)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title> military leaders </title>
</head>
<body>
  <p>Some famous historical military leaders:</p>
  <ul>
    <li> Philippe Pétain </li>
    <li> Friedrich der Große </li>
    <li> Owain Glyndŵr</li>
  </ul>
</body>
</html>
```

For entering the non-ASCII special characters (é, ß and ŵ) either:

- look up the Unicode decimal codepoint (0233 for é) and enter it while holding the ALT key (so ALT-0233 for é)
- start up Windows Character Map (you find it under "Windows Accessories" in the start menu), select the relevant character and copy/paste it into the text

Save your file as index.html

### Step 3 (optional):

If there is a binary editor installed on your computer, you might want to use it to open the file you have just saved. From what the binary editor displays, can you see:

- whether the end of lines are in UNIX/Linux (LF) or in DOS/Windows (CR-LF) format?
- whether the special characters are encoded in UTF-8 format?

Normally you don't need to check this, unless you experience problems when displaying the file in a browser, and you need to see what the file looks like on byte level.

### Step 4:

Upload your file (named index.html) to [validator.w3.org](http://validator.w3.org)

If all is well, it should be validated without any errors or warnings

### Step 5:

Upload your file to the school's project webserver. The easiest way of doing this (when using the Windows Lab PCs) is to use WinSCP. After starting up WinSCP, open a connection (using the SFTP protocol) to [websites.cs.cf.ac.uk](http://websites.cs.cf.ac.uk) (port 22) and enter your user name (like scmmc1) and password. Once the connection is open, copy your file index.html into the project folder on the server. Once this is done, you want to make sure the webserver has read permissions on this file. For this, right click the file and select "Properties". At the Permissions, make sure that "R" is ticked for Owner, Group and Others, "W" is ticked for Owner only, and "X" is not ticked at all (also SetUID, SetGID and StickyBit should not be ticked).

### Step 6:

If all is well, your file will now be accessible on the server. Go to [project.cs.cf.ac.uk/CaminadaM](http://project.cs.cf.ac.uk/CaminadaM) (replace CaminadaM with your own email name) and see whether it displays properly. If you're accessing the server from outside of the campus, you may be asked for your username and password.