Practical 1: User Interface and Web Experience

In this practical, you will be making a user interface and create a website that would have a very good user experience.

Task 1:

How to connect to the University server (Laboratory PC, windows environment), usage of client and database:

1. Right click on "This PC" map Network Drive to the drive:
W:\teachweb.scam.keele.ac.uk\scamwebfs
Or
\\teachweb.scam.keele.ac.uk\scamwebfs
You can save files to your own area on this server, accessible through your W:\drive, in (looks like) W:\prin\your_username.

2. Create a folder in the above directory and upload all your files (.php, html, .sql and others).

3. From:
http://www.teach.scam.keele.ac.uk/prin/your_username/
You should be able to view and run all your files.

4. Try not to double-click the HTML files to view them, as this loads them locally rather than through the web server, and this will cause problems later on. You could open the HTML files in an editor like Notepad++ (available here: https://notepad-plus-plus.org/).

5. For database: open: http://www.teach.scam.keele.ac.uk/
Goto: phpmyadmin (on the left hand side)
Username: your student user name
Password: your student user name twice

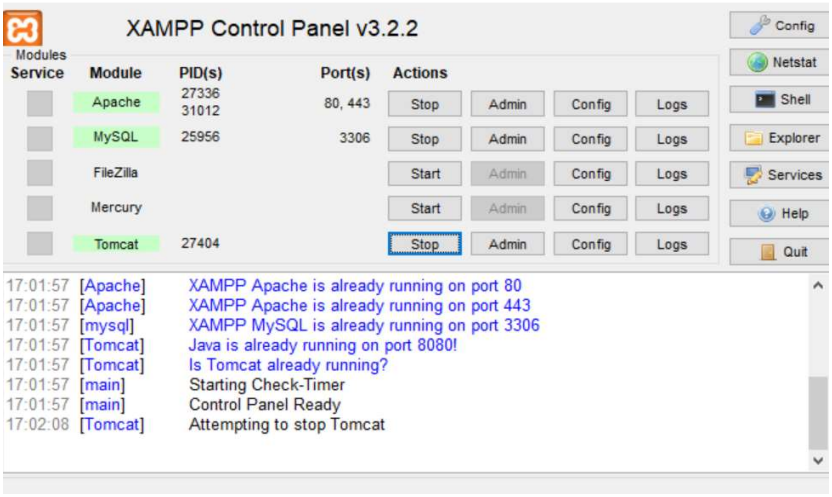
6. You should be able to see your database name same as that your username. Click new → you can create tables under your database using any SQL commands.

7. You don't need this in Practical 1 but from Practical 2 onwards you would need this. You may need to modify your php code (for connecting database when required) in the drive, with the following:
$hostname = "katara.scam.keele.ac.uk";
$username = "your username";
$password = "your username twice";
$db = "your username";

Inside code, you may have change the table name as well. Please change your password as soon as possible.

On your personal laptop/PC, how to setup the client, server and the database (MySQL) locally using XAMPP server.

1. Install XAMPP software (a reasonably recent version is fine) on your local machine from: https://www.apachefriends.org/index.html
XAMPP for Windows.
You will find something like this:



You should start Apache and MySQL only. You can stop Tomcat.

2. Let the XAMPP keep running, however, you can close the XAMPP window. Keep it running in the background (by default).

3. Inside your C drive → xampp folder, you would find htdocs folder. Create new folder inside that folder and upload all your files from your various practical now and in future.

4. Open Google Chrome browser, you would be able to access these files via: http://localhost/Practical1/

5. Open Google Chrome browser, access: http://localhost/phpmyadmin/sql.php
Check your database. Make a simple database csc30025 and create a table named as studentCSC30025 with few fields with some student data: StudentID, Name, Address and EmailID. Just to make sure that your database is working.

6. Install Notepad++ here: https://notepad-plus-plus.org/
This would help you to modify the PHP, HTML, .sql and other files.

Task 2:

School of Computer Science and Mathematics
CSC-30025
Practical 1 (Week 1)

Create a website **displaying your hobbies**.

It should take into account:
1. Brush up your HTML, CSS and PHP tutorials or lectures (if required) from second year CSC -20021: Web Technologies.

2. Create a HTML webpage named: myHobbies.html. You should consider 2-3 concrete hobbies, for example, stamp collection, travelling and watching movies. If you do not have any hobby, consider 2-3 things that you like the most, such as playing games, watching football match and others. You should make a few webpages (about 3-5 pages) and links accordingly.

3. Your webpage should design in such a way the users should find them useful and easy to navigate. Create a lists page listing all your web pages with suitable and informative names.

4. Use the appropriate css and bootstrap framework (https://en.wikipedia.org/wiki/Bootstrap_(front-end_framework)) methodologies or any others like Skeleton (example: http://ieatcss.com/skeleton-tutorial.html) or Foundation framework (https://foundation.zurb.com/) that you find suitable. See the example (sample.html) using bootstrap framework, attached as SamplePage.zip file with this Practical 1. Taking into account some of the aspects that what you have studied in CSC – 20021: Web Technologies.

5. You should create multiple web pages, links, images, sections, lists, forms, and media (images or videos) components (as a sample as shown in the .png file). If necessary, you could use the images under creative commons licensed images (details here: https://en.wikipedia.org/wiki/Creative_Commons_license). Some example sample images here: https://wordpress.org/openverse/?referrer=creativecommons.org.

6. Tidy up, validate and comment in your prepared codes.

7. Be prepared to talk about your experience with your chosen frameworks when the demonstrators or lecturer approaches you.

8. Identify the steps you have taken to prepare better UI design for your developed website. You should follow close to Agile Development for this Web Designing Technologies practical.

9. For submission two things are required:
(a) Make a .txt text file named "WebLinkPractical1.txt", put the web link to your webpage. For example:
http://www.teach.scam.keele.ac.uk/prin/your_username/folderName/
and save this link in the WebLinkPractical1.txt text file. I would go to this link, check your website and evaluate your progress.

(b) Zip all your files into a .zip file (including the above .txt text file) and upload a single file .zip into the KLE by 1 pm on 7th Feb 2025. Please note that this is not an

assessed practical (i.e. it will not contribute in any way to your module mark). It is meant to track the progress of your work.