ECS417U Lab Sheet
Topic 4 - Tables and Forms

Exercise 1

Create a HTML5 document that is similar to the example shown in figure 1. Make sure your table is made up of elements that provide semantic information (e.g. `<caption>`). Please note: you will need to create an external style sheet called reset.css that removes all the browser formatting from the main HTML elements. In addition to this, you will need to create another external style sheet named exercise1.css, which will specify the styling for the table.

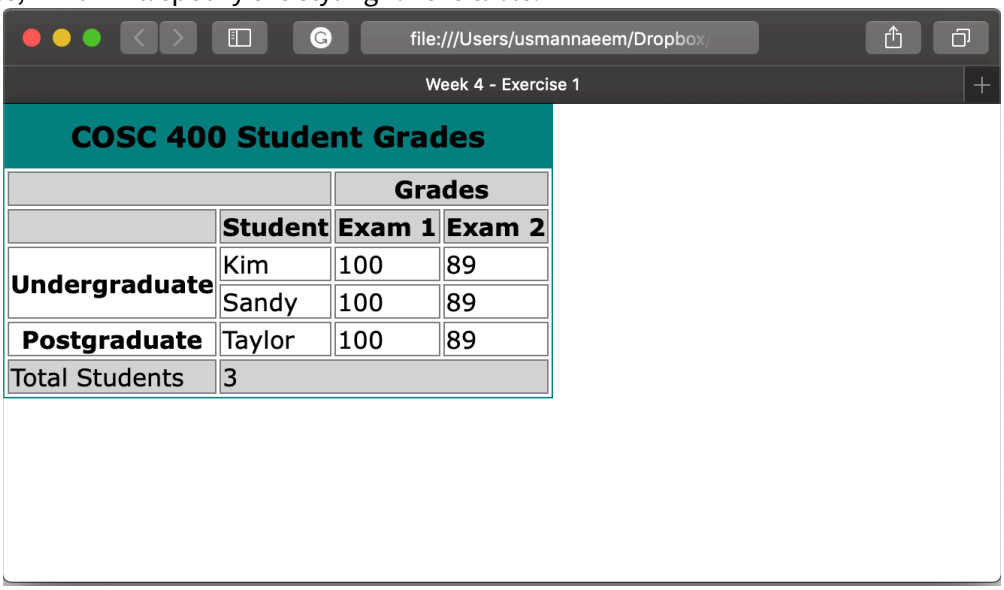

FIGURE 1

Exercise 2

Create a HTML5 document that includes a table of your five favourite movies. The table should include an image of each movie, and images of the two leading actors/actresses (you can get them via Google; alternatively, go directly to http://www.imdb.com/ and search for the movie). The two images of actors/actresses should be placed side by side in a table cell using a nested table. Each of the two images should also serve as a hyperlink to the homepages of the actor/actress.

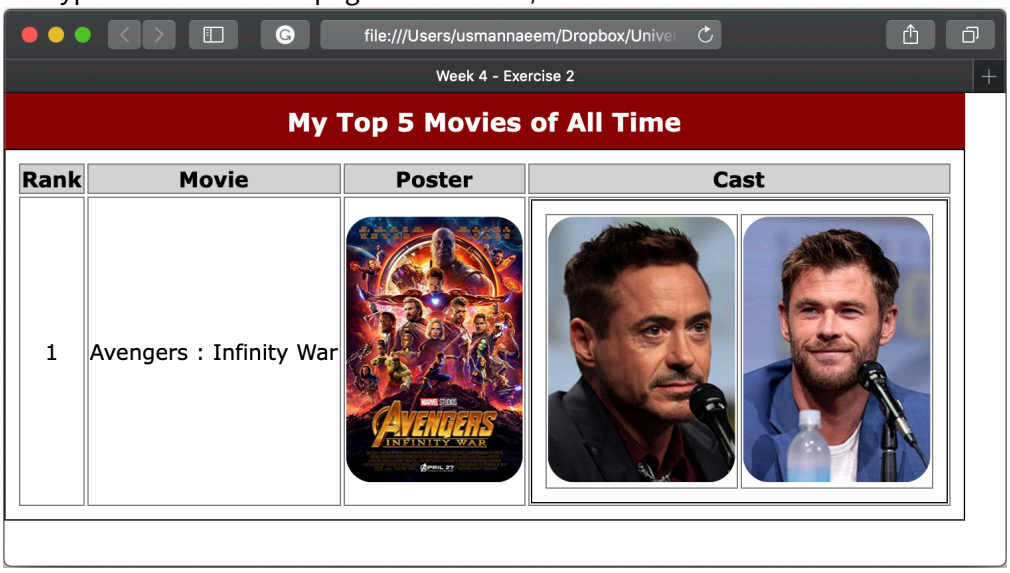

FIGURE 2

An example of the web page is shown in figure 2 (note that only one movie is included in this example. But five are required for this exercise). Like exercise 1, you will need to create an external style sheet called reset.css that removes all the browser formatting and another style sheet called exercise2.css, which will specify the styling for the table and images (e.g. `border-radius`).

Exercise 3

Create a HTML5 document that is similar to the example shown in figure 3. You will need to create the calendar month using tables and create an external style sheet called reset.css that removes all the browser formatting and another style sheet called exercise3.css, which will specify the styling for the table.
The month and date of the calendar should be within a `<caption>`.

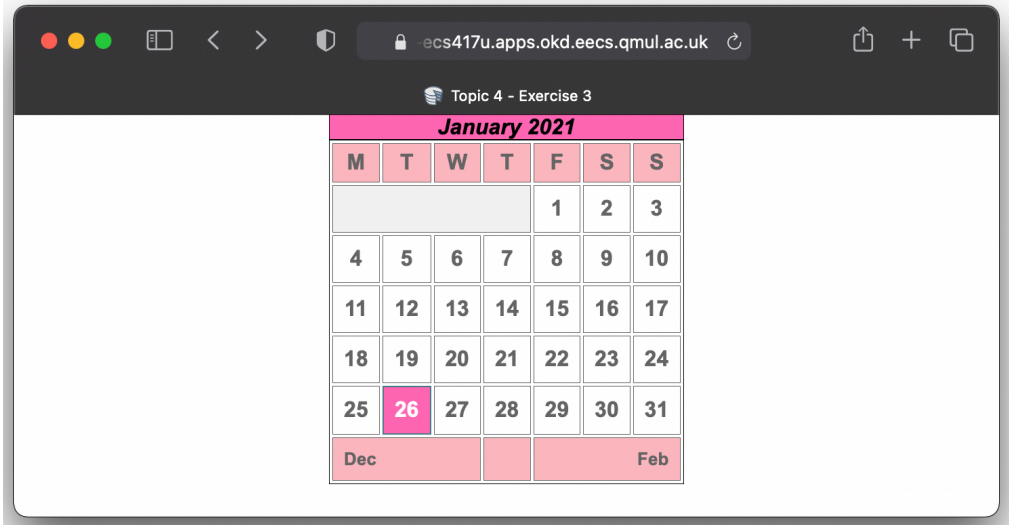

FIGURE 3

Exercise 4

Create a HTML5 document that includes a form (see figure 4) to gather the following information as part of a t-shirt ordering system:

- Shirt size - use a `select` element with the following options (XS, S, M, L, AND XL)
- Sleeves - use `input type` radio, where 'short' has initially been selected
- Shirt colour - use an `input type` that will let you select a colour
- Quantity - use an `input type` that will allow you to specify a range between 1 and 10
- Date requested - use an `input type` that will let you select a date from a date picker
- Name
- Email address
- Telephone - use a relevant `input type` and an attribute that will provide validation of this field as follows : 44-207-882-1234
- Address
- City - use a `datalist` with four cities of your choice
- Postcode

There should be a checkbox that is labelled "please keep me informed about future shirt offerings".

Notice that this form will must make use of HTML5 form elements, hence some form elements will not be supported by all browsers, therefore test your page in more than one browser.

The form method should be “GET” and action should be:
http://webprojects.eecs.qmul.ac.uk/un300/week4/week4_process.php

Verify that the output from week4_process.php matches that shown in figure 4. Once you have done this, then change the form method to POST and test the form.

Like the previous exercises, you will need to create an external style sheet called reset.css that removes all the browser formatting and another style sheet called exercise4.css that will specify the styling.

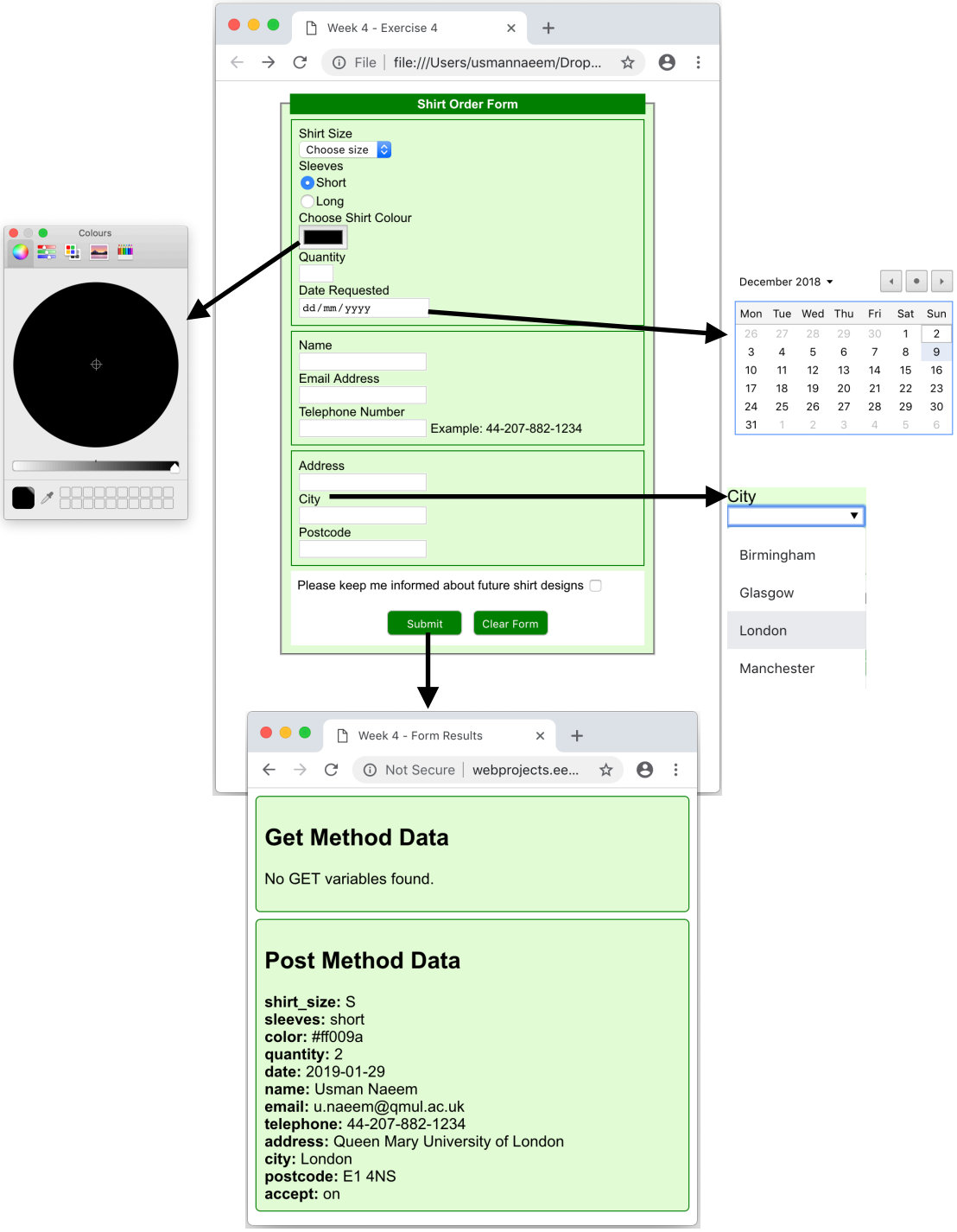

FIGURE 4

Marking Criteria

The assessment for topic four is based on Exercises 2 and 4.

Exercise 2 - Assessment Criteria 1
Table with images in cells

Marks breakdown

0 mark	No evidence of table or images
1 mark	Tables created with no images
2 marks	Tables created with images in cells

Exercise 2 - Assessment Criteria 2
Nested tables with images as links

Marks breakdown

0 mark	No evidence of nested table or images
0.5 mark	Nested tables created with no images
1 mark	Nested tables created with images in cells
2 marks	Nested tables created with images as links in cells

Exercise 2 - Assessment Criteria 3
Evidence of style rules applied to the HTML5 document resulting in correct appearance

Marks breakdown

0 mark	Styles not applied
0.5 mark	Styles partially applied and incorrect appearance
1 mark	Styles applied and incorrect appearance
2 marks	Styles applied and correct appearance

Exercise 4 - Assessment Criteria 1
Evidence of creating the form with HTML5 form elements

Marks breakdown

0 mark	No evidence of form elements
0.5 mark	One to two elements
1 marks	Three to four elements
2 marks	Five to six elements
3 marks	Seven to eight elements
4 marks	Nine to ten elements
5 marks	Eleven to twelve elements

Exercise 4 - Assessment Criteria 2
Evidence of using the HTML5 form element that allows validation of telephone number

Marks breakdown

0 mark	No
1 mark	Yes

Exercise 4 - Assessment Criteria 3
Evidence of form working with the method being set as ‘GET’ and ‘POST’

Marks breakdown

0 mark	Not working
1 mark	Working with GET only
1 mark	Working with POST only
2 marks	Works with both methods

Exercise 4 - Assessment Criteria 4
The style of the developed webpage should be similar to the example given in the practical worksheet

Marks breakdown

0 mark	No similarity
4 marks	Partially similar
6 marks	Similar