

Autumn Examinations 2011/12

Module Title: Web Development Fundamentals CA

Module Code: **SOFT6007**

School: School of Science & Informatics

Programme Title(s): Bachelor of Science in Computing (ACCS)
Higher Certificate in Information Technology Support

Programmes Code(s): KCOME_7_Y3
 KITSE_6_Y1
 KITSU_6_Y1

External Examiner(s): Mr. E. Gill

Internal Examiner(s): Colin Manning
 Meabh O'Connor
 Rob Miller

Instructions: Answer all questions. This is a close book exam. Students are not permitted to consult notes.

Duration: 2 Hours

Sitting: Autumn 2013

Requirements for this examination:

Note to Candidates: Please check the Programme Title and the Module Title to ensure that you have received the correct examination. If in doubt please contact an Invigilator.

Question 1 (30 marks)

Write a complete XHTML page that contains the list and table illustrated below. The title of the page is "Question 1". The image is called "photo.jpg" and it is 100 x 100 pixels. The CIT link goes to www.cit.ie

1. France

- Paris
 - a. Champs Élysées
 - b. Rue des Irlandais
 - c. Place de la Concorde
- Rennes
 - 1.d. Rue de Soifs

2. UK

- London
- Manchester

3. Germany

- Munich
- Berlin

Twinkle	Twinkle	Little	Star	How
I wonder what you are			Up	
above	the	world	so	
high	Like	a	diamond	
in			the sky	

Q2. (30 marks)

CIT	Mon	Tue	Wed	Thu	Fri
9-11	Java	Java	HCI	Java	Java
11-13	HCI	DB	DB	HCI	HCI
13-15	Gym	Gym	Java	Gym	DB
15-17	DB	Web	Web	Web	Web

The student timetable shown above is coded in xhtml using a table.

The cells showing the days and times have black backgrounds and white, bold, centered text.

All borders have the default settings.

The timetable has been colour coded so that each subject has been given a separate background colour. Java is #999999. HCI is #333333. DB is #aaaaaa. Web is #ffffff. Gym is #ffffff

An extract from the xhtml file is shown on the following page.

Write the CSS to style the table as described.

extract from xhtml file for table shown in Question 2

```
<table>
<tr>
<th>CIT</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
</tr>
<tr>
<th>9-11</th>
<td class="jav">Java</td>
<td class="jav">Java</td>
<td class="hci">HCI</td>
<td class="jav">Java</td>
<td class="jav">Java</td>
</tr>
<tr>
<th>11-13</th>
<td class="hci">HCI</td>
<td class="dat">DB</td>
<td class="dat">DB</td>
<td class="hci">HCI</td>
<td class="hci">HCI</td>
</tr>
<tr>
<th>13-15</th>
<td class="gym">Gym</td>
<td class="gym">Gym</td>
<td class="jav">Java</td>
<td class="gym">Gym</td>
<td class="databases">DB</td>
</tr>
<tr>
<th>15-17</th>
<td class="databases">DB</td>
<td class="www">Web</td>
<td class="www">Web</td>
<td class="www">Web</td>
<td class="www">Web</td>
</tr>
</table>
```

Q3. (40 marks)

Write a JavaScript program and xhtml web page that displays two randomly selected coins when the page loads. If both coins are heads then a €50 Note is also displayed.

The coin images are named heads.jpg, tails.jpg and the prize is called fiftyeuro.jpg
tails.jpg and the prize is called fiftyeuro.jpg