

# SCHOOL OF COMPUTER SCIENCE & INFORMATICS

## COURSEWORK ASSESSMENT PROFORMA

**MODULE & LECTURER:** CM6112 Introduction to Web Development  
Dr Ian Cooper

**DATE SET:** 12<sup>th</sup> October 2015

**SUBMISSION DATE:** 23:59 7th January 2016

**SUBMISSION ARRANGEMENTS:** Project Delivery – as per project requirements.  
Online Submission through Learning Central

**TITLE:** Introduction to Web Development – Projects Portfolio

This coursework is worth 100% of the total marks available for this module. The penalty for late or non-submission is an award of zero marks. You are reminded of the need to comply with Cardiff University's Student Guide to Academic Integrity. Your work should be submitted using the official Coursework Submission Cover sheet.

### INSTRUCTIONS

Your coursework is 1) The Web Development aspects of the projects you have worked on this semester (30%) and 2) A learning portfolio you will submit to Learning Central (70%).

- 1) The projects will be submitted in accordance to the clients needs and will be assessed for the purposes of your module mark upon delivery and according to the assessment criteria detailed below.
- 2) Your learning portfolio, produced in Learning Central, will relate to the project work you have undertaken this semester. Following the guidelines in the "Outline assessment Strategy for Intro to Web Development" table below, write a set of portfolio sections to demonstrate your understanding of the course material.

Each section will discuss relevant code extracts (from your project work) that **YOU** have written, demonstrating ability and understanding of each Learning Objective.

### LEARNING OUTCOMES

1. Analyse and interpret basic business requirements in order to build products to meet those requirements by applying the basic principles of Client/Server Architectures.
2. Create web pages using HTML and CSS.
3. Utilize JavaScript to add interactivity to web pages.
4. Use appropriate 3rd party libraries and frameworks for CSS and JavaScript
5. Design, write and debug server-side code written in a suitable scripting language, to fulfil requests from the client.
6. Design basic databases to support real-world applications as part of a web-application, demonstrating understanding of core concepts.
7. Use a server-side framework (e.g. Express) to assist development of server-side code.

## SUBMISSION INSTRUCTIONS

All submission should be via Learning Central. The submission page can be found under 'Assessment' in the CM6112 module on Learning Central, and will be available shortly after the Monday contact session in Week 3. The current electronic coursework submission policy can be found at:

<http://www.cs.cf.ac.uk/currentstudents/ElectronicCourseworkSubmissionPolicy.pdf>

Your submission should consist of a learning central portfolio: as detailed below.

Portfolio Page no.		Description of portfolio page
1	Compulsory	Cover sheet.
2	Compulsory	5 Sections, each containing a 100 word (with additional code /screen shots) response to one (of the seven) Learning Objectives in the Individual Course Coverage Section specified below.
3	Compulsory	2 Sections, each containing a 500 word response to one (of the seven) Learning Objectives in the In-Depth Understanding Section specified below.

## CRITERIA FOR ASSESSMENT

The criteria for assessment are outlined in the "Outline Assessment strategy for Intro to Web Development." table below. Further details of the assessment criteria are set out in the Detailed Assessment Criteria section.

## Outline Assessment Strategy for Intro to Web Development.

Team Projects 30%	Individual Course Coverage 35%	In-depth Understanding 35%																								
<p>You will have worked on a number of projects over the past semester.</p> <p>Each project will be marked according to the Assessment criteria.</p> <p>Your project mark will be a combination of project marks, scaled pro-rata according to the time you were allocated to that project.</p> <p>E.g. Proj1 mark 60% - Time allocated = 3 weeks Proj2 mark 80% - Time allocated =7 weeks</p> <p>Pro-rata team mark = (80*0.7) + (60*0.3) = 56+18 = 74%</p> <p>So, 74% of the 30% for team projects gives you 22.2 marks towards the coursework mark (out of 100).</p>	<p>For 5 of the 7 topics below: Write a brief description of an instance from your project work where <b>YOU</b> have contributed to the design / build in relation to the topic.</p> <p>Guidance: 100 words max per topic. + short code snippets from project and screen shots if deemed appropriate. Explain why you used your chosen technique.</p> <p>Equal division of marks for each Learning Objective.</p> <table><tr><th colspan="8">Learning objective no. (learning objectives are detailed in full in the learning objectives section)</th></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>Project requirements.</td><td>Create a web page using HTML and CSS</td><td>Utilise JavaScript</td><td>Use of frameworks</td><td>Use of 3<sup>rd</sup> party libraries</td><td>Create server side code</td><td>Database inclusion</td><td>Server side framework</td></tr></table>	Learning objective no. (learning objectives are detailed in full in the learning objectives section)								1	2	3	4	4	5	6	7	Project requirements.	Create a web page using HTML and CSS	Utilise JavaScript	Use of frameworks	Use of 3 <sup>rd</sup> party libraries	Create server side code	Database inclusion	Server side framework	<p>Choose 2 of the topics from the “Individual Course Coverage” section and expand on your description.</p> <p>Guidance: 500 words max per topic. Include details about what you have learned about the topic, and justification for your design choices with respect to the project worked on. Include a brief discussion on any changes you would make in a future project.</p>
Learning objective no. (learning objectives are detailed in full in the learning objectives section)																										
1	2	3	4	4	5	6	7																			
Project requirements.	Create a web page using HTML and CSS	Utilise JavaScript	Use of frameworks	Use of 3 <sup>rd</sup> party libraries	Create server side code	Database inclusion	Server side framework																			
<p>Assessment criteria (all wrt. web development):</p> <ul style="list-style-type: none"><li>1) Functionality.</li><li>2) Client satisfaction.</li><li>3) Complexity wrt covered content.</li></ul> <p>NB. All marks are subject to moderation by lecturing team.</p>	<p>Typical Assessment Criteria (defined explicitly for each topic):</p> <p>Functional implementation. Following best practice / Correct usage.</p>	<p>Typical Assessment Criteria (defined explicitly for each topic):</p> <p>Knowledge Understanding Reflection</p>																								
Marks split by time allocated to project.	Equal division of marks for each assessment criteria.	Equal division of marks for each assessment criteria.																								

## **Detailed Assessment Criteria.**

In the **Team Projects (30%)** section there are three assessment criteria that will be considered:

Credit will be awarded against the following criteria.

<b>Assessment Criteria</b> ( Equal division of marks for each assessment criteria.)	<b>Poor (&lt;40%)</b>	<b>Tolerable (40% - 49%)</b>	<b>Good (50% – 69%)</b>	<b>Excellent (&gt;69%)</b>
<i>Functionality</i>	<i>Project has very limited functionality.</i>	<i>Project has basic functionality / Usability.</i>	<i>Project has well thought out functionality / Usability.</i>	<i>Project has good, originally thought out, functionality / Usability.</i>
<i>Client Satisfaction</i>	<i>Project addresses very few reasonably expected business needs. Team not engaging with client requirements. Client generally unsatisfied.</i>	<i>Project addresses most reasonably expected business needs. Team engaging with client requirements. Client reasonably satisfied.</i>	<i>Project addresses all reasonably expected business needs. Team engaging with client requirements. Client satisfied.</i>	<i>Project addresses all reasonably expected and other “wishful thinking” business needs. Team engaging with client requirements. Client impressed.</i>
<i>Complexity wrt covered content.</i>	<i>Very few concepts attempted that were covered in the lectures (by the time of delivery) and at basic level.</i>	<i>Concepts attempted that were covered in the lectures (by the time of delivery).</i>	<i>Concepts attempted, at an advanced level, that were covered in the lectures (by the time of delivery).</i>	<i>Concepts attempted, go beyond coverage in the lectures (by the time of delivery).</i>

In the **Individual Course Coverage (35%)** section there are two assessment criteria that apply to each of the seven Learning Objectives:

Credit will be awarded against the following criteria.

<b>Assessment Criteria</b> (Equal division of marks for each assessment criteria)	<b>Poor (&lt;40%)</b>	<b>Tolerable (40% - 49%)</b>	<b>Good (50% – 69%)</b>	<b>Excellent (&gt;69%)</b>
<i>Functional Implementation. Learning Objectives; 2,3,4,5,6,7</i>	<i>Portfolio submission shows non-functioning example of work.</i>	<i>Portfolio submission shows functioning example of relevant work,</i>	<i>Portfolio submission shows functioning example of relevant work at top level of content discussed within lectures.</i>	<i>Portfolio submission shows <b>relevant</b> functionality above and beyond content discussed in lectures.</i>
<i>Functional Implementation. Learning Objectives; 1.</i>	<i>Portfolio submission shows no real structure to Client / Server architecture.</i>	<i>Portfolio submission shows some structure to Client / Server architecture.</i>	<i>Portfolio submission shows consistent structure to Client / Server architecture.</i>	<i>Portfolio submission shows well thought through Client / Server architecture.</i>
<i>Following best practices / Correct usage</i>	<i>Portfolio submission shows no effort towards adherence to standards / best practices.</i>	<i>Portfolio submission shows correct usage and a justification for chosen approach with respect to standards / best practices.</i>	<i>Portfolio submission shows correct usage and good justification for chosen approach with respect to standards / best practices.</i>	<i>Portfolio submission shows correct usage with very good justification for chosen approach adhering to relevant standards / best practices.</i>

For the **In-Depth Understanding (35%)** section, there are three assessment criteria that apply to each of the seven Learning Objectives:

Credit will be awarded against the following criteria.

<b>Assessment Criteria</b> <i>(equal division of marks for each assessment criteria)</i>	<b>Poor</b> <b>(&lt;40%)</b>	<b>Tolerable</b> <b>(40% - 49%)</b>	<b>Good</b> <b>(50% – 69%)</b>	<b>Excellent</b> <b>(&gt;69%)</b>
<i>Knowledge</i>	<i>Portfolio submission shows little knowledge of the subject.</i>	<i>Portfolio submission shows knowledge of chosen approach.</i>	<i>Portfolio submission shows knowledge of chosen approach and awareness of alternatives.</i>	<i>Portfolio submission shows in depth knowledge of both chosen approach and alternatives.</i>
<i>Understanding</i>	<i>Portfolio submission shows no understanding of why chosen approach was used.</i>	<i>Portfolio submission shows understanding of why chosen approach was used.</i>	<i>Portfolio submission shows understanding and reasoned justification of why chosen approach was used.</i>	<i>Portfolio submission shows understanding and reasoned justification of why chosen approach was used in comparison to other approaches.</i>
<i>Reflection</i>	<i>Portfolio submission shows no effort at reflecting on own work.</i>	<i>Portfolio submission shows limited reflection on own work.</i>	<i>Portfolio submission shows reasoned reflection on own work.</i>	<i>Portfolio submission shows reasoned reflection on own work with justified suggestions for future improvement.</i>

## **FURTHER DETAILS**

Feedback on your coursework will address the above criteria and will be returned in approximately 3 weeks.