University of Glasgow | School of Computing Science

Assessed Coursework

Course Name	**Internet Technology (M)**			
Coursework Number	**1 (of 3) – Design Specification**			
Deadline	**Time:**	**4.30pm**	**Date:**	**17 February 2022**
% Contribution to final course mark	**10**		**This should take at most these many hours:**	**5**
Solo or Group ✓	**Solo**		**Group**	✓
Submission Instructions	**Via Moodle – see Page 2**			
Who Will Mark This? ✓	**Lecturer ✓**	**Tutor**	**Other**	
Feedback Type? ✓	**Written ✓**	**Oral**	**Both**	
Individual or Generic? ✓	**Generic**	**Individual ✓**	**Both**	
Other Feedback Notes				
Please Note: This Coursework cannot be Re-Done				

Code of Assessment Rules for Coursework Submission

Deadlines for the submission of coursework which is to be formally assessed will be published in course documentation, and work which is submitted later than the deadline will be subject to penalty as set out below. The primary grade and secondary band awarded for coursework which is submitted after the published deadline will be calculated as follows:

(i) in respect of work submitted not more than five working days after the deadline
   a. the work will be assessed in the usual way;
   b. the primary grade and secondary band so determined will then be reduced by two secondary bands for each working day (or part of a working day) the work was submitted late.

(ii) work submitted more than five working days after the deadline will be awarded Grade H.

Penalties for late submission of coursework will not be imposed if good cause is established for the late submission. You should submit documents supporting good cause via MyCampus.

Penalty for non-adherence to Submission Instructions is 2 bands

Marking Criteria
See Page 3

Design Specification (10%)

Introduction

Having discussed your Project ideas within your team, you are required to come up with a Design Specification, which will provide a whole range of details regarding the design of the web application that you intend to implement. This will include an overview, a specification, system architecture diagram, ER diagram, site map, and wireframes.

The Design Specification is worth 10% of the overall assessment of the course and is due in by **17 February at 4.30pm**. One submission per team is required. Your Design Specification should comprise a PDF document. For this, PowerPoint is recommended, though this is not mandatory.

What should be included?

Imagine that you are submitting your idea to get funding – so you have to prepare a power point presentation to describe:

1. an **overview** of the application (i.e., why it is cool/unique/useful/valuable) – 1 slide;
2. the **specification** i.e. a minimal list of requirements – 1 slide;
3. a high-level **system architecture diagram** – 1 slide;
4. an **ER Diagram** (in compressed Chen notation), along with a description of the attributes in each entity – 1 slide;
5. a **site map** showing the site organisation – 1 slide;
6. a number of **wireframes** to show the main functionality of the system – at least 2 and at most 5 slides; and

Think about how you might divide these tasks up among the team members. The reason for suggesting that the document be arranged in terms of a slideshow presentation is that during week 10, you will prepare a video demonstration of your project within your team (worth 5% of the overall mark). It is expected that you will use some of the slides that you create as part of your Design Specification for your presentation. During your video presentation/demonstration, your team will be graded based upon:

- the quality, clarity and professionalism of the presentation
- the quality and thoughtfulness of the application design and design elements
- and the correctness of the application design

How to submit

One member of the team should submit the pdf document via the "Design Specification" submission icon on the Moodle page of the course. The person making the submission will be required to complete **a Declaration of Originality** on behalf of all team members when submitting via Moodle. If you have used any external sources, be sure to acknowledge them in your submission.

Useful resources

See this guide for developing wireframes:
http://webdesign.tutsplus.com/articles/a-beginners-guide-to-wireframing--webdesign-7399

There are a number of applications that might be helpful when it comes to creating your system architecture diagram, ER diagram and wireframes, including http://www.draw.io.

Marking scheme

Your design specification will be assessed using the following mark breakdown:

Component and description of what is sought	Marks
Overview Contains sufficient detail so that the reader can understand what web app is supposed to do for the user.	4
Specification The list of requirements should be sufficiently detailed for it to be clear how the web app will fulfil the needs of the intended users.	3
System architecture diagram This high-level diagram should include the different components of the system and in particular any additional APIs that might be used.	2
ER Diagram The model should be relevant and appropriate in the context of the specification. The diagram should adhere to compressed Chen notation	4
Site Map This should make it clear how the different templates that make up the app are linked together	2
Wireframes The wireframes should include login functionality and context. There should be a sufficient number to illustrate the functionality provided by the app as indicated by the specification.	5
Total	**20**

The total mark will be converted to a band which will be the team's mark for this component of the assessment.