

Integrated Project 1 TRI C 2020-21 ALC – Specification Document

Module Descriptor: <http://www.gcu.ac.uk/study/modules/info/?Module=M11322997>

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Documents to Be Provided for Students

- (i) A Specification Document (the document that you are reading)
- (ii) A suggested schedule (to be made available soon in Learning Resources on GCU Learn)
- (iii) Google Doc template for the group report (to be made available soon on GCULearn)

Project Overview

1. Students will work in groups.
2. The theme of the work will be *the re-imagining of the web site for ALU*. This will include aspects of web site design (including HCI), website implementation, functional test and evaluation.
3. Students will be free to use (and report upon) inspiration from other academic websites. The key aspects are design and implementation and we want you to be as inspired as possible to deliver a fresh look for the web site.
 - 3.1. An interesting starter article that showcases examples of educational websites for design inspiration is provided [1]. A web search with a search phrase such as: *best practise design examples university web sites*, will bring some interesting results. Please search more widely.
4. In order to deliver the web site (the *artefact*), students will firstly work together at an introductory level to discuss and plan all aspects and then subdivide tasks in a fair manner to realise the final artefact.
5. There will be a marking scheme which follows closely to the specification and guidance below. If students undertake all aspects of the specification, then they have the best chance of gaining a good mark for the module.

Web Site Content Requirements

6. Students will develop a website that captures key aspects of the ALU web site content, but in a new style, selected by the IP1 student group.
 - 6.1. General: you are obviously not expected to include everything. We are more interested in the web style and interaction that you adopt. Provide sufficient content so that the site has a number of options to explore. There are no rules for this. Feel free to include (with some justification) whatever aspects you feel are most important.
 - 6.2. You can take any content from the existing site (but using the content for your newly-styled site).
 - 6.3. You should deliver a representative set of key portions of the ALU web content, with special emphasis on the Mauritius aspects and especially the Computing degree. We would like you to expand the 'Computing' degree section to include more student input, examples of work undertaken and any other aspects that would be attractive to students who are seeking a programme of study to embark upon. This

is completely open and we ask you to reflect on your own experience to make this section as attractive as possible.

- 6.4. Please feel free to add content to other sections of the site, where you feel that the existing web site could provide more information. This could include an 'Advice to prospective students' section, where you provide useful information from your own collective experience.
- 6.5. Please include an 'Author' section on the site, that includes information about team members, their home-location, their Computing interests and their individual contributions to the site. A Google map with markers might be useful as well, to show where team members live.

Website Technical Requirements

7. There should be a single web site, containing all content. **The site should be hosted to make it available to the assessment team.** For example, this could be hosted on GitHub Pages (recommended) or any commercial web provider.
8. You should **not** use a Content Management System. We wish you to use and progress your own web development skills.
9. You are free to style the site in any way that you wish, including (only if you wish to) applying an available front-end web framework such as Bootstrap [2] or others [3].
10. You should integrate and test a section of the site where readers can leave comments that can be viewed by other web site users. You could consider integrating a service such as <https://disqus.com/>.

Process

11. The group will collaborate and work together throughout the time of the module.
12. The group should create a lightweight project plan that just lists the tasks for each week. This can be updated as required, but you should work on this ASAP.
13. A Group should use the following tools (or equivalent)
 - 13.1. A project management/tracking tool such as Trello [4] to allocate and track individual tasks.
 - 13.2. Any sketching tool to create initial sketches of the site, for initial discussions.
 - 13.3. A wireframing tool, see: <https://careerfoundry.com/en/blog/ux-design/free-wireframing-tools/> for examples
 - 13.4. A free-to-use high-fidelity prototyping tool such as Adobe XD [5] to prototype a few pages in colour at high-resolution.
 - 13.5. Web implementation methods (including available framework, if you wish) and web implementation tools of your own selection. You will be asked to justify your selection of methods/tools within your final reporting.
14. A group will use an appropriate Discussion Environment for collaborative discussions/meetings.
15. The group should have regular project meetings with as many members present as possible. Keep notes in the project log book (see below).
16. The group should use an appropriate shared online document repository to keep all project documents for the group.
17. The group should keep a single *shared log book*. In this log book you should keep dated-entries for all the research and development activities that you undertake. All the readings, web links and technical things that you discover and all design and

implementation activities can be captured here, with brief notes and justifications. You can then refer to this as a central source for everything within the project. It will also help with creating the final project documentation.

18. The group should have a shared group-diary. For each week there should be an entry for each student, listing the activities that have been completed each week. There will be a mark for each student, each week, but only if the diary is completed by a group member by the end of Monday of the following week. A template will be provided.
19. The group should utilise Google Docs to author a Group Report. More information on this will follow. The Group Report is a single document, created by the entire student group. This will form the Coursework 1 deliverable. The other deliverables will be detailed on GCU Learn (but are listed below). Students are expected to complete sections of the report throughout the running of the project.
20. At the end of Week 2 of the project you will be asked to complete a form where you will provide the details of your selection of online resources (and links to your shared-diary and log-book). At that stage you will be expected to have a simple project-plan included in your log-book.

Other IP1 Deliverables

21. The **individual reflective report** will have a template to ensure that the students discuss their experience in a structured manner.
22. **Group Presentation.** Details will follow later.

References.

1. "25 Best Educational Websites for Design Inspiration"
<https://www.vandelaydesign.com/best-educational-websites/>
2. "Build fast, responsive sites with Bootstrap". <https://getbootstrap.com/>
3. "Top Bootstrap Alternatives". <https://hackr.io/blog/top-bootstrap-alternatives>
4. "Trello lets you work more collaboratively and get more done". <https://trello.com/>
5. Adobe XD prototyping tool: <https://www.adobe.com/uk/products/xd.html>