

**SCHOOL ASSESSED COURSEWORK**

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| Subject & Unit: | *Computing VCE Unit One* |
| Subject Teacher: | *V Farrell* |
| Area of Study: | *Data Analysis* |
| SAC # & Name: | *U1O3 Collaboration and Communication* |
| Due Date: | *27 May 2016*  *10.55am* |
| Conditions and allowable materials: | *Students will have 8 periods in class time to complete the task* |
| Marks available: | *100 marks* |

STUDENT DECLARATION:

I declare that the work submitted in relation to this task is all my own and I have not received unwarranted assistance from teachers, tutors or anyone else prior to its completion. My work has been completed according to the guidelines set by my teacher and school and in accordance with rules set down by the VCAA. I understand that the submission of part, or all, of someone else’s work constitutes plagiarism and I accept the consequences which will be imposed should I do so.

Student signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_            Date: \_\_\_\_\_\_\_\_\_\_\_

**Computing VCE**

**Unit One: Outcome 3: Collaboration & Communication**

Collaborative Web Development Project

ISSUES:

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| --- | --- |
| * Network Security * Piracy * Plagiarism * Social Isolation/Adiction to Technology | * Ergonomics/Health * Cyber Safety/ Cyberbullying * Reliance on Technology |

1. Form a team of two to three members. To investigate ONE issue from the list above.
2. Access information about the issue from primary and secondary sources and consider:
   1. the nature of the issue
   2. legal, social, environmental and ethical impacts of the issue
   3. types and capabilities of digital systems associated with issue
   4. the key stakeholders and their responsibilities
   5. positive and negative opinions of each stakeholder about the issue.
3. Use visualising thinking tools to analyse the causes and effects of the issue. Graphic organisers such as fishbone diagrams, PMI (Plus, Minus, Interesting) and Venn diagrams and mind mapping software can help organise ideas and identify patterns and relationships between data.
4. Investigate options for storing and communicating data (Cloud or non-Cloud) as well as the advantages and disadvantages of using Cloud-based solutions such as [designmodo](http://designmodo.com/cloud-applications-web-designers/) for websites
5. Use digital systems to document and monitor the tasks, timelines, people, resources and indicators for overseeing the progress of designing and developing the website.
6. Use appropriate design tools and techniques to create a website that facilitates the presentation of views about the issue and enables end users to support the published viewpoints.
7. Use web authoring software to develop the website. Ensure that formats and conventions suitable for websites are followed.

**Schedule**

**Project Start:** Tuesday 10 May 2016 – 1 period

**Class time:**

Friday 13th May - 2 periods

**Design Due Date:** Tuesday 17th May – 2 periods

Friday 20th May – 1 period

Tuesday 24 May – 1 period

Friday 27th May – 2 periods.

**Project Due Date**: Friday 27th May 10.55am

PART A: The Design

1. Design data collection methods for your investigation.
2. Using Visualisation Tools to plan how the information will be organised in the website
3. Produce Management Tools for the Project, the schedule and organsie groupware to ensure communication in your team.
4. Use a design tools to plan and design the website

SUBMIT: Tuesday 17th May 2016 9.30am

PART B: The Web Site

Create a working prototype website

1. Use the layout from you design processes
2. Include ALL content you produced in the data collection phase.
3. Test every link on every page

SUBMIT: a fully working prototype website completed by the team in collaboration.

PART C: The Journal

Each student must submit a Journal which contains:

1. All your contributions to the project
2. All the contributions of your team mates
3. All the conversations with the client and team mates (You must include all record using your Groupware)
4. Any problems you encountered and how you dealt with them
5. Any issues or conflicts among team members.

MARKING CRITERIA

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| --- | --- | --- | --- | --- | --- | --- |
| CRITERIA | Marks | RUBRIC | | | | |
| DESIGN /25 | | | | | | |
| Data Collection | 5 | 5  Data collection was appropriate for the topic and the information included is of high value | 4-3  Data collection was mostly appropriate for the topic and the information included is of reasonable value but could be improved | 2  Data collection was not appropriate for the topic and the information included is of low value | 1  Only one aspect of the data collection is of worth | 0  No evidence of an understanding of data collection |
| Visualisation Tools | 5 | 5  Appropriate Visualisation tool were used to organise the information on the website to good effect. | 4-3  Appropriate Visualisation tool were used to organise the information on the website to a moderate effect. | 2  An attempt to use Visualisation tool to organise the information on the website | 1  Only one aspect of Visualisation tool use is of worth | 0  No evidence of an understanding of visualisation tools |
| Management Tools | 10 | 10 - 8  ALL Appropriate Management tools were included and completed to an effective standard | 7 - 5  Appropriate Management tools were included and completed to an moderate standard | 4 - 3  An attempt was made to create Management tools | 2 - 1  Only one aspect of the management tools is of worth | 0  No evidence of an understanding of management tools |
| Design Tools | 10 | 10 - 8  ALL Appropriate designt tools were included and completed to an effective standard | 7 - 5  Appropriate design tools were included and completed to an moderate standard | 4 - 3  An attempt was made to create design tools | 2 - 1  Only one aspect of the design tools is of worth | 0  No evidence of an understanding of design tools |
| Use of Colour & Page Structure | 5 | 5  Colour used effectively and professionally Standard Design rules adhered to. | 4-3  Some improvements required in colour use One or two improvements to design required.. | 2  Inappropriate use of colour Some basic rules of design followed | 1  Very poor use of colour One aspect of design adhered to | 0  Impossible to read Design does not adhere to standard design rules at all |
| PROTOTYPE /45 | | | | | | |
| Management of Design Layout | 10 | 10-8  The website is exactly as the page layout describes. | 7-5  Most aspects of the design are clearly incorporated into the final prototype. | 4 - 3  Two key aspects of the design are clearly incorporated into the final prototype. | 2 - 1  One aspect of the design is clearly incorporated into the final prototype. | 0  No connection between design & prototype |
| Hyperlinks working | 10 | 10-8  All links working | 7-5  One issues with hyperlinks. | 4 - 3  Two issues with links | 2 - 1  Between 3 and 4 issues with hyperlinks | 0  More than 4 issues with hyperlinks. |
| File Management (all files in correct directories) | 10 | 10-8  Most files are saved with appropriate file names (no spaces) and saved in the appropriate folders. | 7-5  2-3 files are not located in the right place. | 4 - 3  More 3 files are incorrectly saved | 2 - 1  More than 3 files are incorrectly saved and files names are inappropriate. Missing folders. | -0  More than 4 issues with file management. |
| Page consistency | 5 | 5  All files are the same – only the content changes from page to page | 4-3  Only minor issues with consistency from page to page. | 2  Some layout changes between pages in the web site | 1  Major issues with constancy from page to page | 0  All pages vary. |
| Content Management | 10 | 10-8  Headers & paragraphs managed appropriately. Images located in line with text. Text boxes used to manage key content. | 7-5  Few issues with header and paragraph management. Images and text boxes. | 4 - 3  Some issues with header and paragraph management. Images and text boxes. | 2 - 1  Some of the content is managed appropriately. | 0  Major problems with headers and paragraph fonts. Inappropriate layout of content. |
| JOURNAL /30 | | | | | | |
| Record of Contributions | 10 | 10-8  Everything you did is clearly explained in readable sentences. | 7-5  Some of the contributions are included – clearly explained. | 4 - 3  Some of the contributions are included – but not clearly explained. | 2 - 1  A very basic attempt to describe contributions. Not clearly explained. | 0  No effort in describing your contributions |
| Record of Decisions | 10 | 10-8  All decisions are recorded and clearly described  Includes examples and screen grabs. | 7 - 5  Some of the decisions are included – clearly explained. With examples. | 4 - 3  Some of the decisions are included – but not clearly explained. | 2 - 1  A very basic attempt to describe descriptions. Not clearly explained. | 10  No effort in describing your decisions |
| Groupware | 5 | 5  Detailed evidence is included of continued use of groupware throughout the project. | 4-3  Some evidence of regular use of groupware throughout the project. | 2  Some basic evidence of the use of groupware throughout the project. | 1  A single item of evidence that shows groupware was used at some stage. | 0  No evidence of groupware included. |
| Record of Issues/Problems Resolved | 5 | 5  Any issues are clearly described and recorded with the resolutions outlined. | 4-3  Some of the issues are included – clearly explained. | 2  Some of the issues are included – but not clearly explained. | 1  A very basic attempt to describe Issues. Not clearly explained. | 0  No effort in describing Issues |

TOTAL /110