

Project Skills - Assignment 2

50% CA

Project Proposal

You are required to complete your project proposal for your year 3 group project. The following sections are to be completed. Please read this document carefully.

Submission: 1 Proposal per team to be submitted to Moodle. (assign a team leader to do this)

All names appear on the cover page of the latex file.

Total marks: 50% of CA (includes Part 1 and Part 2)

This is a group assignment and each member of the team is expected to contribute a fair share of the work or collaborate on sections. (Assign a team leader that will keep track of all the contributions if needed).

Part 1 – Project Proposal – 40%

Chapters in latex		Marks
Abstract	An executive summary of the contents of the proposal	5 marks
Introduction	An introduction to your project that might include some background information and justification for the research	5 marks
Aims and Objectives	Clearly stated aims of the study (what you are trying to achieve) and the objectives (what tasks you will undertake to achieve your aim).	5 Marks
Literature Review	Each member to date has completed a literature review. The team will now collaborate and take the best of these and combine them into 1 literature review (edit for readability and flow). Highlight at the current research relates to your project.	10 marks
Requirements Analysis and Feasibility	Describe in detail each of the requirements to develop the project. Detail the feasibility of the development of the project. You will need to explain the technical requirements for such a project and explain why you have chosen the technologies that you have.	15 marks
Methodology / Methods	Explain the processes that you will use to develop the project in full and explain each step of the process. Use a diagram to explain the process.	10 marks
Version Control Software	Provide an overview of the version control software that you will be using for the project. Provide screenshots of primary functionality.	10 marks
Groupware Tools	Research 2 groupware tools available for project collaboration. Choose one that you will use for your project. Explain in detail why you chose this tool and how it compares to others in the market. Provide screenshots to highlight functionality.	10 marks
Schedule (Gantt)	A clearly defined Gantt chart with dates and deliverables using the groupware chosen in section [Groupware Tools]	10 marks

Prototype Interface and description	A screen grab of your prototype and overview of current functionality	5 marks
References	A list of references using an appropriate referencing scheme	5 marks
Appendix I – NB read carefully	<p>This section of the report should highlight what each member of the group contributed to the CA.</p> <ol style="list-style-type: none"> 1. Distribute the sections fairly as some have more marks than others and require a significant amount of work. Highlight what members completed the various sections here. 2. If you kept a diary of the progress of the project, you can include that here also. 	5 marks
Layout	All relevant items (the cover, contents, etc., plus sections above) and be properly presented in LATEX.	5 Marks
	Total Marks Achieved	100 Marks

Part 2 – Version Control Report – 10%

This can be done in a separate word document but must be uploaded with the project proposal above. Each member of the group must contribute to this and highlight in the report what each member contributed.

Version Control Software	<p>Demonstrate a basic understanding of the main version control concepts through the use of GIT and Eclipse.</p> <p>Git is a command line tool but Eclipse contains a plugin and a perspective that allows you to execute the main commands from the GUI. This is bundled with most Eclipse distributions so you do not need to install Git separately.</p> <p>You create your repositories on Github and then clone them from Eclipse. This will allow you to checkout branches, make changes and commits, merge your branches and resolve conflicts.</p> <p>The main version control concepts you need to demonstrate in this assignment are:</p> <ol style="list-style-type: none"> 1) Creating and cloning repositories on GitHub and Eclipse 2) Checking out branches so you can make edits/additions 3) Making commits when you are happy with the changes 4) Pushing and pulling changes to/from the remote repo 5) Merging your branch with the master branch 6) Resolving conflicts (you may need to intentionally create a conflict to demonstrate this). <p>In this section of the assignment describes each of the main VC concepts above <u>briefly</u> (1-6) and how you put them into practice.</p> <p>Use screenshots from eclipse and GitHub as evidence and also describe with text how you performed these actions. (try and tie this into the functionality of your project)</p>
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	<p>Each Group member should take ownership of one of the three main functions (add/remove/search) and these should be developed in tandem with each other. Each group member will also be adding code to the GUI test class to make sure their function is behaving properly. It is likely that conflicts will occur here where two people change the same piece of code. This is what we want to see and if conflicts do not naturally occur you should create them intentionally and document how they were resolved.</p> <p>Be sure to follow the guide on Moodle for setting up your GitHub repos on Eclipse. This is important.</p>
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