

Guidelines for ECE417 project – design phase

Please consider the information provided in this document when preparing your design document for the course project.

- 1- The page limit for the design document is 6 pages. The formatting requirements are identical to the requirements document.
- 2- Your design should cover the requirements you defined in your requirement analysis document. Some of you defined some advanced requirements and assigned lower priorities to them (to be implemented in later versions). Although you might not implement them, but it is good if you still bring them in your design. If you are not, mention the requirements you are leaving out and provide a brief explanation.
- 3- You should indicate what functionalities in your design document are addressing what requirements in your requirement analysis document. Most of you had codes assigned to the requirements. You can use those codes to clarify how your design is addressing the requirements (for example function x addressing requirement R12).
- 4- Please provide some explanation on what is the role of each function/method/class/etc. In your design document.
- 5- If you have changed your requirement analysis document (added requirements, clarified some requirements, etc.) explain it and attach the new requirements.
- 6- Remember that a correct design makes implementation a lot easier for you. So try to prepare your design in a way that the only thing you need to do for the implementation phase would be to fill in the functions you defined in your design.
- 7- Your design will be graded based on correctness, coverage and clarity. Correctness: your design should be correct, for example having a method to calculate the greatest common divisor of two numbers when the two numbers are not passed to it somehow is a sign of incorrect design. Coverage: your design should cover the requirements you defined in your requirement analysis phase and you should show this coverage. Clarity: your design should be well-written and well-presented so that the reader of the document could have a clear understanding of your design.

Submission Information: You need to hand in the document in class on March 1st in hard-copy form. Only one document needs to be handed in per group. If you attach a revised version of the requirements document, please make it an appendix to the design document.