

How I grade your project?

1. Everyone is graded individually based on your role, contribution towards the project, presentation during the demo, etc.
2. You will need at least ___ design patterns we have learned for your project. You may not need that much to implement the functional aspect only. But remember many design patterns are for structuring, simplifying, optimizing, debugging, etc. purposes. So feel free to include them in your design. You will lose points for not having the minimum required number of patterns. You will earn extra points for using more patterns appropriately.
3. Each team needs to hand in class diagram(s) for your design, which tells what patterns are involved and for what purpose.
4. During the demo, all members need to talk, which counts 25% of your total project points.
5. Explain your class diagram(s) and use cases clearly.
6. You will need to complete the framework as well as an application developed based on your framework. Your application needs to be functional and complete.
7. (not for April 2017 class) Only the drawing board application needs to be web-based. All other projects should be standalone (in Java, C#, ...). However, the IDE you choose should not generate code or stop you from implementing your design patterns by yourself.
8. What we have talked about is the minimum requirement. Please feel free to add additional features.
9. I start grading your project from Wednesday morning until Thursday before lunch time.
10. Submit everything by 10pm on Thursday.
11. Other than the project deliverables, you all need to provide a 'readme' file stating each person's role/responsibility.

On framework development -

1. Study the application you have developed and think about how to make it more abstract.
2. Put the 'non-change' into your framework and leave 'change' to application layer.
3. If you need to do persistence, just design a simple API between your framework and the persistence layer. Do not need to spend too much time on persistence layer.
4. You should stay more focused on "how application developers use your framework".
5. Based on your experience, write an essay on, "comparing the different mindsets between application developers and framework developers". Everyone should submit his/her own Word document for this. (at least one full page with font size 11)

Project grade breakdown:

1. Application design documents – 25%
2. Framework design documents and explain how to use your framework – 25%
3. Demo and explanation (running application, Q & A) – 25% (graded individually)
4. Write-up (point 5 above) – 25% (graded individually)
5. For the number of design patterns used, you won't lose any points if you have no less than the class average. If you have more, you get extra points. If you have less than the average, you lose points. (up to 10%)
6. If your team has less people, you may get up to 5% extra for the same number of design patterns used or a similar amount of work involved in.