

CSCI 4, HOMEWORK 3

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1. ASSIGNMENT 1

Please write a short paper on Software life cycles. This is a very open question, I want you all to really go out and do some research of your own on software life cycles. I provided some articles and videos in this weeks module to help with the research and you provided some possible (boring) prompts below.

Possible prompts:

1. What is Agile?¹
2. In what situations do you think Waterfal is useful?
3. Direct comparison Agile vs Waterfal.
4. Find a different strategy that is not Agile or Waterfal.

2. ASSIGNMENT 2

Please write a short paper on language paradigms. I have provided some videos and articles for the popular paradigms (though there are many more). This kind of think is more about linguistics... **hint hint**.

Possible prompts:

1. Object-Oriented-Programming vs Procedural (boring)
2. What are situations where OOP is useful? Procedural?
3. Talk about some other paradigms, why are they useful?
4. Analyse a language of your choice and what paradigms it uses.

2.1. **Notes.** A paper does not mean one page double spaced. Try to write at least two or three pages of work. There is no upper limit on pages, if you write twenty pages (I may have questions) but Ill read it. There is no minimum page limit, if you think one page is all you need then turn it in (but be warned I may not be kind). Try to have fun with this assignment, you can also turn in code with this assignment if you think it helps you prove a point.

2.2. **Rules.** Write your papers using the IEEE format guide. It should not be hard to find online, usually what it includes is the following.

- Double spaced
- 12pt font
- math is numbered
- white space around math
- at the top of the page should be, my name, your name, department.

Ill try to show an example of this before I leave and post it.

¹**hint** Agile is not what many people think it is