

Homework 8:
Final Project, Phase 1:
Specifications
Out Tuesday, 4/8/14
Due Tuesday, 4/15/14 @ midnight
10 points

Programming Logic and Design
ITEC 1150
Spring Semester, 2014
Eric V. Level, Instructor

This is **Phase 1** of your Final Homework Project.

For it, **write two different specifications**. You may work with one other student on your Final Project; if so, you only need to turn in one copy of the deliverables described below - but make sure you list both student names.

For the first specification: write a paragraph or two, proposing what Python program you'd like to design and code for your Final Project. Give a brief list of the proposed features/functionality of this program as part of this. Be concise and to the point.

Be careful about being too ambitious in your proposal: many projects fail because they plan unrealistically. Perhaps propose a minimum set of features your program will implement, along with additional ones you'll try if you have enough time.

For the second specification, write a use case that describes some important behavior of your proposed Final Project program. You only need to write the main scenario for now, but you give your use case.

Mimic the posted sample use cases, especially the TicTacToe example or the Lab 11b "User Enters Quiz Question".

Remember that you are NOT writing Python or even detailed pseudocode when you write a use case. In particular, express iteration behavior (for- or while-loops) by "between the steps" text describing the repetition, when it occurs and how it stops.

Express conditional behavior (if-else) via the "extension" step mechanisms: a main scenario gives the most common behavior. After the main scenario, you can list each extension handler by giving the trigger that causes alternate behavior to occur, then describe how its handled via a "mini-use case".

Turn in paper copies of both your specifications. I suggest you create electronic documents for each of your specifications, but this is for your own records - and for presenting during the Final Project Presentation at the end of the course. **There is no Dropbox for this Homework Assignment!**

I'll give each spec a preliminary grade, then give you a second chance to fix and problems and resubmit for a final grade for this Phase 1.