

Skills Matrix after completion of Object-Oriented Information Systems Module October 31, 2021

1 (help!) - 2 (needs work) - 3 (satisfactory) - 4 (good) - 5 (excellent)

Skill	Proficiency	Notes
PROGRAMMING		
Python - class implementation	3	Still got things to learn, particularly how to implement interfaces
Python - unit testing	4	Got a good grasp of this, and learnt how to test for errors during this module.
Python - general coding	4	Feeling more confident that I can achieve what I want in Python.
Python - error handling	3+	Learned a lot about declaring your own exception types and how to raise them. Still need to look at dealing with multiple errors, and unexpected ones.
Python - Flask	3	Need to look at the use of global variables and find better ways to track states throughout the application
Python - interacting with MySQL	3	Can access the database readily, but need to find ways to make my Python code less susceptible to SQL injection
HTML	3+	Getting better at using forms and how to embed elements in others
CSS	2	Need a lot more knowledge about using classes and conditional formatting, but not really that interested in this, to be honest.
SQL	3+	Can do most of what I want, but need a bit more learning surrounding the different kinds of joins
PLANNING & DESIGN		
UML class diagrams	2+	Understand the basics, but still finding it difficult to know which direction arrows should be going.
UML sequence diagrams	4	Useful way to focus on the communication between objects in the system.
UML state diagrams	4	Got a good handle on this, and find them useful
UML activity diagrams	4	Straightforward - like flow charts.
ACADEMIC WRITING		
Finding reputable sources	2	A lot of my searches end up with badly written articles that take me a long time to sort through. Need to find the names of a couple of the most reputable journals and limit searches to those.
Harvard referencing	3	Satisfactory, but I always need to look up how to reference different sources. Still unsure about referencing websites with no specific author and/or date
Writing Style	2	Really need to work on formalising my writing style. Still very informal, and chatty in tone. Also need more time to re-read and edit what I've written.
GENERAL STUDY SKILLS		
Time Management	2	Need to spread my effort more evenly throughout the modules, rather than taking it easier early on and having a heavy workload over the closing weeks.
Prioritizing	4	Acutely aware of what I need to work on, and concentrating on that. Also good at focussing on where the marks are.
Digesting reading materials	3	Getting better at this - speed reading and being more selective about what I spend time reading.