

## Skills Matrix after completion of Software Engineering Project Management Module February 20, 2022

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

Skill	Proficiency	Notes
PENTESTING		
PTES	4	A good understanding of the stages in a PTES strategy and the reasoning behind their ordering
OWASP ZAP	2	Not enough experience using this as there were difficulties accessing the target website
NMAP	3	Reasonable basic understanding of Nmap, its uses and some of the more common commands.
SQLMap	3+	Good understanding of how to use, what it tests and looks for, and the parameters to increase or decrease the sensitivity of the test.
LEGISLATION		
GDPR	4	Much improved understanding of regulations, what they cover and what a developer/web application owners responsibilities are with regards to transparency and data collection and storage.
PCI DSS	2	Increased familiarity with the legislation, but somewhat superficial understanding of what it means in terms of development and testing strategies.
WCAG Web Accessibility & Compliance	3	Reasonable understanding of the criteria a website must meet in order to be deemed adequately accessible. Learned about a couple of google extensions that test for colour-blindness accessibility and contrast levels
PROJECT MANAGEMENT		
Planning	3	Learned the hard way that timelines for group activities should be planned out on a JIRA board with tasks assigned to individual team members with expected timeframes for completion clear and unambiguous.
Communication	2	In this module, the communication between team members was lacking, generally sporadic in nature. Future team projects need clearer terms of engagement set out from the start, and a more accessible forum for communication than discord - perhaps Slack, or maybe even WhatsApp which worked well for me with other groups
Delegation	3	I am generally good at delegating work, and getting members of the team to pull together and in the same direction. I need to ensure that in future team projects, work is split evenly and based on the talents and interests of the team members wherever possible.
GENERAL STUDY SKILLS		
Time Management	3	Much improved this module with the workload being spread evenly across the duration of the module.
Prioritizing	4	Acutely aware of what I need to work on, and concentrating on that. Also good at focussing on where the marks are.
Teamwork	3	I am generally good at functioning as part of a team, though definitely will look to have more team 'rules' up front for the next team-based module - especially when it comes to PRS, reviews and coding standards. Also, meetings should be weekly on an agreed day and time so that members can plan their life without having to wait each week to see when the meeting is scheduled for.