INFO1111: Computing 1A Professionalism

2024 Semester 1

Skills: Team Project Report

Submission number: ?? Add your details

Github link: ?? Add your details

Team Members:

Name	Student ID	Target * Foundation	Target * Advanced	Selected Major
FAMNAME1, givenName1	01234567	A	NA	Computer Science
FAMNAME2, givenName2	01234567	A	NA	Data Science
FAMNAME3, givenName3	01234567	A	NA	SW Development
Yuki, Ui	540007301	A	NA	Cyber Security

Contents

1. Task 1 (Foundation): Core Skills

1.1. Skills for Computer Science: FAMNAME1, givenName1

Your text goes here

1.2. Skills for Data Science: FAMNAME2, givenName2

Your text goes here

1.3. Skills for SW Development: FAMNAME3, givenName3

Your text goes here

1.4. Skills for Cyber Security: Yuki, Ui

As SFIA skills are separated from level 1 to level 7, it is difficult to objectively claim that a certain skill is more important the other for all people. Therefore, whilst this document will aim to list three most important skills objectively, amount of subjectivity and bias would exists.**SFIA_levels**
The most important skill would be Security operations. This skill, defined from level 1 to 6, is possibly the most versatile skill in the SFIA list. This is because it covers the basics of security. From levels 1 to 3 involves basic security tasks, maintaining records, responding to routine requests, assisting in investigations, and resolving minor security breaches. Levels 4 to 6 involves maintaining security processes, advising on access rights, investigating breaches, monitoring procedures, reviewing potential breaches, ensuring accurate records, contributing to policy creation, and developing security standards. Whilst there are no specific tasks for level 7, it is most likely that those in the lower level can be generalized and be used even at the highest level.
Second skill would be testing. This is important in finding and eliminating weaknesses of the system. At level 1, it is simply following the given manual. At level 2, it becomes more active, as it requires designing test cases yourself. At level 3, testers independently design test cases and scripts, participate in reviews, apply benchmarks, automate tasks and analyse results. Level 4 involves selecting a test approach, developing and executing test plans, running automated tests, collaborating for end-to-end coverage, identifying improvements and analysing results. Level 5 is conducting the whole process, and also givin future advices. Finally, at Level 6, testers develop organisational policies, plan and lead strategic testing activities, manage risks and opportunities and adapt or develop testing capabilities. Whilst at level 7, it transitions into a almost complete managerial role, experience from the lower level workloads can become important. Furthermore, this skill would be important, as in an ideal world, any security risk can be prevented before it occurs, and this skill is crucial in achieving this.**Testing** The final skill is safety assessment. This would be an extension of the second skill, but more focused on the outer frames of safety. As such, this is a skill only within the levels 4, 5, and 6. At level 4, activity includes the collection of evidences to using a certain tool and/or methods to achieve security standards. When getting up to level 5, it started to fully fledged into the assessment of security, instead of creating it. It takes the role of judging the current security system, finds the weak point of the system, and suggests changes to make it safer. At level 6, it gets into the managerial role, setting standards and policies to insure safety to the orgranization, and suggesting the safety life cycle of assessment activities.**Safety_assessment**

2. Submission contribution overview

For each submission, outline the approach taken to your teamwork, how you combined the various contributions, and whether there were any significant variations in the levels of involvement. (Target = ∼100-300 words).

2.1. Submission 1 contribution overview

As above, for submission 1

2.2. Submission 2 contribution overview

As above, for submission 2

2.3. Submission 3 contribution overview

As above, for submission 3