SWE20001 – Development Project 1: Tools and Practices

Credit Task <4.2>

Duy Phuong Nguyen (101204984)

Lab: Friday 2:30pm

Tutor: Huai Liu

Team number: 3

Henry Tran 102075482

Edward Knight 102700043

Duy Phuong Nguyen 101204984

## Correct and unambiguous requirements.

* Understand the project is important. if the information is ambiguous, the project can’t reach the correct target. Correct and unambiguous is a must in initial stage of every project.
* Unambiguous requirements mean each requirement should only have one meaning. If there are more than one, this can lead to misunderstand.
* Helps the developer to have a good understanding about the problem, the requirement so they can analyse it to find the best way to solve the problem, create a good path for the project.
* Correctness is a must to avoid the ambiguous.

## How function requirements, or user stories, are used to write code?

* There are two basic classifications of requirements: Function and non-functional.
* Function requirement defines function or system’s component, specify how the system should work.
* Non-function requirement is quality of the system, defines how the system works. It is usually used to judge the operation of a system.
* Both are important, those requirements provide useful information for developer to control and modify the project.

## Outcomes that can be affected

* Completion of the project:
  + Clear requirement helps to reduce the time require to finish a project.
  + Ambiguous requirement can lead to incorrect outcome and increase the time consumption.
* Product’s outcome:
  + Clear requirement: can create a better quality product which meet the requirements of customer.
  + Ambiguous requirement: bad quality, not close to the requirement of product owner.
* Function/ Maintenance:
  + Clear requirement: easy to fix, maintain the project.
  + Ambiguous requirement: can not update or maintain the product because coding is messy which can confuse the product owner and the developer.

## Recommend guidelines

* Analyse the requirements from the product owner carefully to avoid ambiguous.
* Split the work between the group member equally and set the role for each member. Team leader should spend time to supervising the project, editing and update the requirements. Developer programming the project while Tester will test the code from Developer.
* Keep in touch with customer and product owner to inform about any issues.
* Follow the guideline to increase performance which helps to save time and create a high-quality product.