

SWE 206

LAB2

Software development process

F55

Group Members :

- Deema Almousa 202261140**
- Afrah Mohammed 202257660**

TASK 1

A- The steps we took in lab 1 to reach to the final task is writing the requirements , then writing and designing the pseudocode and then we coded and tested the program

B- In the waterfall method during the output and testing we should identify issues and fix them immediately because fixing and improving in the waterfall method is a bit complicated and not flexible like the agile method in which it is time consuming . In addition , we will write the code based on the final design because in the waterfall method any modifications to the design would be difficult to adjust.

C- In contrast to the waterfall method we will Perform testing continuously throughout the development process since the agile method allows improvement and feedback. Also we will make adjustments to the schedule or design based on testing output.

TASK 2

Assume that you are a service provider that has previously delivered successful task scheduling (similar to Lab 01) projects to clients. A new client approaches you and asks you to modify the logo to customize it for their company. Which approach (Waterfall vs. Agile) will you choose? Justify your answer.

I will choose the waterfall method because the process is structured and everything is already there with clear specifications, and since the scope of modifying a logo does not involve complex changes, what we will do is just do minimal changes in updating the logo the waterfall method will work well. Lastly, updating a logo is an predictable process with low risk

Task 3

A new client asks you to develop an application that can help in controlling the electronic systems of sports cars. Keep in mind that your company's focus has been developing scheduling systems. Which approach (Waterfall vs. Agile) will you choose? Justify your answer.

I will choose the agile method because in this process the system is not existing and we will create it from scratch and since the application is being created from scratch, it is essential to involve the client throughout the development process to ensure that the final product meets their needs and expectations which shows that the agile method is the best choice . In addition Agile method is the best choice for projects with high uncertainty and complexity like creating a whole new application