

S1.7: Life Cycles and Methodologies

You can work in pairs for today's activities so that you get the opportunity to discuss your answers to the questions with your partner. Your tutor will facilitate a whole class discussion during the session to discuss your answers.

Objectives of the session:

- To understand the differences between lifecycles
- To be able to identify various lifecycles and characteristics and which are appropriate to use in given situations.

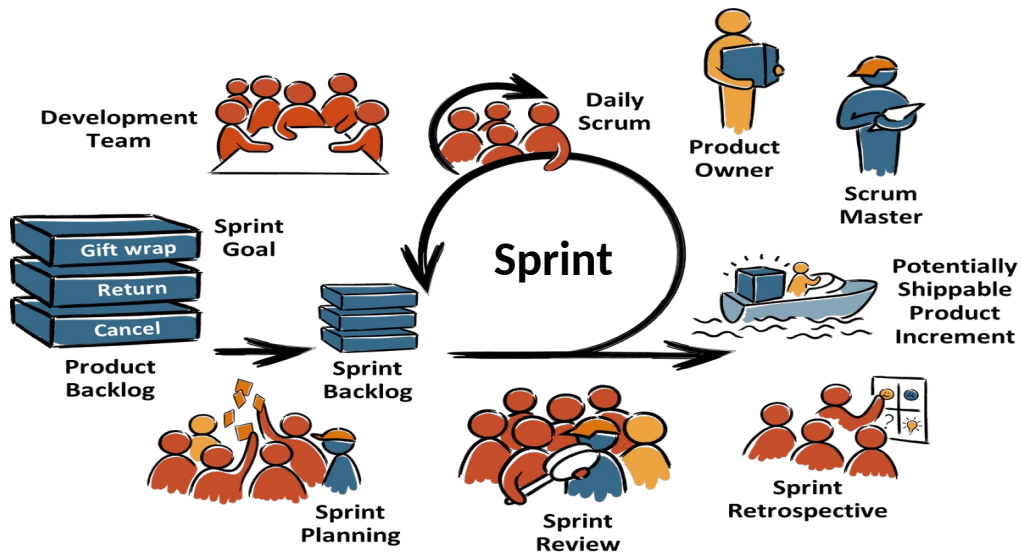
Tasks

1. Imagine you are the project team working on the development of a large and complex information system for a major retailer (e.g. a supermarket chain or department store) using the waterfall lifecycle. The project is expected to take two years and you are about 6 months into it. Your manager has just been reading about 'agile' and wants you to change to that. Complete the following table:

Describe the main factors that would influence the decision to switch or not.		
What questions do you need to ask before you could make a decision?		
	Positive aspects	Negative aspects
Continue to use the Waterfall/SDLC		
Switch to DSDM Atern		
Switch to (choose another lifecycle)		

Write a summary for the manager advising him/her whether you think this is a good idea or not.	
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2. This is a diagram showing the main aspects of Scrum.



- a. If you took part in The Computing Challenge (CO1111):
 - Investigate and explain some of the Scrum techniques from the above diagram and how they were used by your team.
- b. If you did not take part in The Computing Challenge (CO1111):
 - Investigate and explain some of the Scrum techniques from the above diagram and how they are used or could be used by teams in the workplace.

<https://www.scrumguides.org>

3. Read the Viv's Vintage Wear case study again.

- a. Identify and explain at least three lifecycle options and say why / why not they would be appropriate to use if you were employed to complete this development.
- b. Finish with a conclusion as to which would be the best option and why.

You should finish this worksheet as your directed study for this week.

Note that the assignment is released, so make sure you read it thoroughly and ask any questions before we finish for Christmas.