

SDLC - In Class

1. In your own words, describe what a Software Development Life Cycle (SDLC) Model is.
2. In your own words, describe each of these summarized phases:
 - a) Requirements
 - b) Design
 - c) Construction
 - d) Testing
3. In your own words, describe the Waterfall SDLC.
4. In your own words, describe the Unified Process (UP) SDLC.
5. In your own words, describe the Agile SDLC.
6. In your own words, describe a Scrum meeting.
7. In your own words, describe a Sprint Retrospective Meeting.
8. Why has the Agile SDLC been adopted by many companies?

1. The process of developing and maintaining a software product from start to launch to maintaining
2. .
 1. Requirements: What does the client want, what can we do? Determines what the software needs at launch.
 2. Design: The actual process of designing the framework for the code.
 3. Construction: Writing and developing of the code.
 4. Testing: Implementation and testing to be sure the code is working properly and meeting expectations of the requirements.
3. Waterfall SDLC is a system which does each major step in order. All the planning is done at the start
4. UP SDLC is the process developed by IBM and involves doing projects in small parts at a time
5. Agile SDLC is a process that focuses on iterative development and constant feedback from users and shareholders. The process involves daily meetings and division of projects among a team with each people working on their own part with a specific due date.
6. A scrum meeting is a meeting within the Agile SDLC which usually involves a standup meeting where everyone will go around and say what they finished yesterday, what they will finish today, and what they have left to do. This is used to encourage accountability and make sure the sprint gets done on time
7. A Sprint retrospective meeting is done at the end of a sprint to challenge what could have been done better during the sprint

8. Agile has been adopted by many companies because there has been evidence that it is more effective and it is more flexible so different types and sizes of companies can adopt it in different ways.