Quiz 07: Lean

Due Mar 20 at 10pm   **Points** 10   **Questions** 5   **Time Limit** None

Instructions

Answer the following questions in your own words. Do NOT simply cut and paste the information from the slides.   You will receive a score of 0 if you copy the prose from the slides.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	51 minutes	0 out of 10 *

* Some questions not yet graded

Score for this quiz: **0** out of 10 *
Submitted Mar 16 at 6:24pm
This attempt took 51 minutes.

Question 1   Not yet graded / 2 pts

Describe two of the seven principles of lean.

Your Answer:

1. Eliminate Waste

It removes unnecessary lines of codes and features. Anything that does not add value to the product for the customers is trashed. Thus it eliminates the waste.

2. Build Integrity in

The product is delivered in modules and updates. The modules are developed and updated in test driven environment and when it is completed, it is tested for the bad smells like bugs. The code is refactored accordingly to improve the quality and readability.

Question 2   Not yet graded / 2 pts

What is value stream mapping? Why is it done?

Your Answer:

Value stream mapping is a technique to document, analyze the information flow in order to understand the current progress and design the future states of mapping.

It is performed to analyze the current map and identify the bad smells to make the development faster as well as to make changes needed in order to establish the future map.

Question 3   **Not yet graded / 2 pts**

What is set-based development? Why is it done?

Your Answer:

Set based development is the process of developing various designs and prototypes instead of one that will satisfy the customer requirements.

This allows us to provide the customer with many alternatives and then eliminate the ones which are not liked by the customer. It provides flexibility as it allows us to maintain several options for a long duration of time and from that choose the optimal one as per the requirements.

Question 4   **Not yet graded / 2 pts**

What are Kanban Boards? How are they used?

Your Answer:

Kanban Boards are the boards used to visualize the progress of each item in the development process.

It contains three areas - To-do, in progress and done. The tasks which are need to be completed are under To-do column and tasks already been completed are under done column. The in progress can be represented using multiple sub phases of development. It moves people to work on the different queues to eliminate backlogs.

Question 5   **Not yet graded / 2 pts**

How is Lean similar to eXtreme Programming and Scrum? How is Lean different from eXtreme Programming and Scrum? (Hint: see this week's reading)

Your Answer:

Lean is similar to eXtreme Programming and Scrum in terms of iterative development. The project is divided into multiple smaller modules and each module is developed independently and then integrated into the other modules which are already developed. This is same as eXtreme Programing and Scrum where software is iterated.

Lean is different from eXtreme Programming and Scrum in terms of roles the development team and others play in the development process. In Lean, the software development is the part of value stream and there are no roles defined. Everyone is equally responsible for the final product. Whereas in Scrum and eXtreme Programming, different roles are assigned such as product owner, developers and customer.