Homework 7

1) In the reading assignment this week Poppendieck and Cusumano point out that some of the principles of the lean philosophy have been practiced by software developers in the past, before agile methods like XP and Scrum were invented. Describe how Microsoft applied Lean principles according to the Poppendieck paper.

   Ans:-Getting rid of the non-important and dissuaded parts from the endeavor isn't the principle goal of lean norms. Poppendieck additionally referenced job like item supervisor in Microsoft, these jobs will have the general duty regarding venture in creating as well as the achievement or fizzled in the commercial center. In the wake of taking out such segments, it's in like manner basic to consider what has been acknowledged through such cycles. In Microsoft, engineers used to fix the bugs every day. On the off chance that they find any bug during the improvement, they would stop the new development and fix the bug before continuing. Similarly, it communicates that thing chief capacity in Microsoft isn't simply confined to the improvement of the endeavor rather they are subject for progress or frustration of the endeavor too. An organization centers around little groups will likewise centers around enormous groups. Likewise, measures like "robotized fabricate instruments and speedy tests", "Plan, coding, and testing principles", and "Covering obligations" are largely awesome focuses.

2) Value stream mapping is an important tool used by Lean team.   Describe Value Stream mapping.

   Ans:
   Value stream mapping is define as lean method which store each and every flow of the information as a flowchart. Moreover, it is divided in two part. First one is current mapping which define current situation of the project we use this because it define the waste of the project which can be removed from the project. Second step is future mapping in that it decide future goal base on the wate which we removed. This is called value stream mapping.

3) Describe your GEDCOM team's current process (you don't need to draw a diagram) including how you communicate, how you integrate code from each team member, how you test code from all test members, and how you package and submit the results.

   Ans:
   - In my GEDCOM group project we complete sprint 2. We all did well in the project. Moreover, we usually communicate with zoom and WhatsApp group we talk about how we can solve user stories on time and if we have nay question we can ask each other which helped a lot while coding. However, we also call each other when we have to solve any problem if that problem is very important.
   - To integrate the code we use GitHub website. On that we create one repository in that we make branches for each person for maintain the code .
   - For programing and testing we all use visual studio. After completing code we push to our repository where every group member can see our code. Moreover when every complete their part and push to GitHub after that we all pull the code to our local repository for next sprint.

However, we have one team member who always make sure that on our GitHub repository code work properly or not.

- We use automated testing system for testing the before upload the code to repository

4) Evaluate your GEDCOM team's current process and identify waste in your process.   Describe a new process for your team to follow to eliminate waste in your team's current process

Ans:After completing Sprint1, my group member is doing well overall. However, We didn't burn through any time in Sprint2, we simply finish our own personal client stories, on the off chance that somebody met an issue, our group will have a conversation and take care of the issue together if necessary. Just one point that I think need to improve is we ought to do each Sprint prior as opposed to doing it the most recent day of due which is a smidgen hustle. Additionally, in sprint1, we burn through some time in join those client stories. We didn't impart regularly during that time, so we compose every client stories in various arrangement, which makes us difficult to join. In this manner, we burn through some an ideal opportunity to rework a portion of the code and join. Nonetheless, because of what occurred in Sprint1, I trust it won't occur again in Sprint2. Truth be told, every one of us begins Sprint2 utilizing Sprint1 last form.