**What is the difference between UAT (User Acceptance Testing) and System testing?** **System Testing:** System testing is finding defects when the system is tested as a whole, it is also known as **end to end testing.** **UAT:** User Acceptance Testing (UAT) involves running a product with a series of specific tests. İn this testing we understand that the product meets the requirements of its users

**What is continuous integration ?** Developers can check–in and check–out codes to the system when making new code changes to the application. When the developer Check-in a new code to the system, there is a server called Continuous integration (CI) server. The CI server is continuously looking for new code. When the new code is added to the application the CI server recognize that code has been checked in. (there is a tool integrated with this maybe Jenkins or something). That tool do automated smoke test to check the basic functionally of the application. Then it says that code affected the app negatively or not.

**How is code deployed to production environment?**  From Local o check in code to Git using pull and push (in my company it is SVN) o Run unit tests o Deploy changes to server - Done by jenkins when developer checks in code. - After it passes deploy changes to Dev environment From Dev environment o Deploy changes to Test environment done by Jenkins o Can be scheduled or manually triggered From Test 🡪 Deploy changes done by Jenkins From Pre-production

**Agile Framework? Role :** PO, SM, Team **Ceremonies :** Sprint Planning, Daily Scrum, Sprint Demo, Sprint Retro, Sprint Grooming **Artifacts :** Product backlog, Sprint backlog, Burnout chart

**What is Agile?** Agile is iterative product development methodology Scrum : Team plans how much work for the next sprint Kanban : No sprint planning, stories are picked up as is, but you still have everything else

**Why do we need Agile? Waterfall and Agile?** **Because waterfall methodologies have some disadvantage;**  Requirement can’t be change or hard to change once document is signed. In waterfall before completing the one step you can’t go to the next step. Customer can’t see the product until very late stage in development life cycle. It takes longer time to go to the production. **Agile has following advantages:** The change is welcomed. For example, after the sprint demo if client does not like something, we take their feedback and improve the product. Since it is iterative development process, based on feedback, the product can be continuously improve. Waste is eliminated in agile with the help of scrum master. Efficent communication and Scrum master can help us a lot. Waterfall emphasizes tools and platform, like C#\_.NET, but agile emphasizes people.