# Mentoring-Week04

1. **Each student will submit their own document. Please answer each question on your own first. Then you will be discussing these topics with your mentor.**
2. Discuss what is a **USER STORY** in SDLC and research the best definition you find from class notes or online and paraphrase it into your own words. Please describe what are some components of a user story like description, acceptance criteria (requirements), assignee, assigner. Also discuss who write user stories and how it is pulled into active sprint to be completed with Scrum ceremonies.

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| **USER STORY** |
| Def: An end-user perspective of a software feature/brief description of what the user wants/any task the engineering team needs done |
| Components: Context, Definition of ‘Done’/Acceptance criteria, Title, Description |
| Who writes User Stories? Product owner |
| How it is pulled into active sprint to be completed with Scrum ceremonies? The stories are pulled in during the sprint planning meeting, based on priority and expected time to completion |
| Notes: User stories taken up during sprints can be dropped, sometimes work is done faster than anticipated and new stories can be pulled in this instance as well |

1. Discuss the way we create test cases for the user stories assigned to us after developers completed them and move to **Ready for Testing.** What we should consider while creating test cases, what are positive and negative test cases, what are boundary-edge cases. Please make a research and fill out the forms below.

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| **What is test case and what we should consider while creating test cases?** |
| We create test cases with many things in mind:  What the definition of ‘done’ is defined to be  The different user perspectives possible  Direct customer feedback in mind  Using ordered steps to streamline the process |
| Pre-conditions, test steps, provided test data, expected result, an ID, a general scenario description and a more specific case description |
| Create cases that are easy to understand and execute, in case you are not the one who ends up performing the tests (i.e. you are sick or need to leave but your work still needs completed and someone else steps in to help) |
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| Step-by-step process to test a featured piece; understand requirements; clear explicit goals; positive and negative cases as well as boundary and edge cases; pre and post-conditions |
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| **Positive test cases** | **Negative test cases** | **Boundary test cases** | **Edge test cases** |
| Testing a software’s behavior when provided with valid input data | Testing a software’s behavior when provided with invalid input data | Used to test a software’s behavior at its limits | Used to test a software’s behavior to abnormal conditions occurring during regular use |
| Helps to ensure required functionality functions as required | Helps to ensure higher-quality software | Extremely useful for testing limits of inputs such as dates | Performance testing falls under edge test cases? |
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* 1. Finally, discuss the difference between Test Case – Test Script – Test Scenario and fill out the below table with your team members.

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|  | Test Case | Test Script | Test Scenario |
| Definition | How do we test it | Line by line description of how to test a product, with specific information such as button presses and where to input certain values | What needs to be tested |
| Differences | Requires more resources | Most detailed, high maintianence | Each test scenario should have multiple test cases |

Some useful materials that you may read and get help for above topics! Feel free to outsource other materials to differentiate your responses as well as bring other perspective to the group discussion!

* <https://www.softwaretestingmaterial.com/test-case-template-with-explanation/>
* <https://www.softwaretestingmaterial.com/test-scenario-vs-test-case/>
* <https://smartbear.com/test-management/testing-scripts-cases-scenarios/>
* <https://smartbear.com/test-management/test-case-template/>

**NOTE: All students should prepare additional questions to ask your mentor every meeting. These meetings are great opportunities to learn from your mentors. Please take notes during your meetings as there will be a lot of information discussed and you may need to recall it later.**

Thanks ☺

Meeting Notes: