# **MILESTONE 6** -- SFT221 SCRUM Report and Reflection

All students are expected to attend the SCRUM meetings and to participate. Failure to do so will result in greatly reduced grades.

**GROUP**: \_\_\_\_\_\_\_\_\_\_1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Members Present**:

|  |  |
| --- | --- |
| 1. Duc Phu Nguyen | 4. Jashandeep Singh |
| 2.Anthony Korepanov | 5. Karanbeer |
| 3. Harmanpreet singh | 6. |

## Milestone 6 Tasks

This is the final milestone where you will run the acceptance tests and fix any remaining bugs found. In addition, you will produce a testing report which lists all the tests conducted, the results and whether the bugs were fixed, and the final test passed. You will also review the test matrix to ensure every test has been performed and passed. You can change the colour of the test in the matrix to show it was run and passed. At the end, all tests in the matrix should have been passed.

The final test report can be tabular like this:

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| --- | --- | --- | --- |
| Function/acceptance/requirement | Test Run | Bugs Fixed | Passed |
| Distance | TF001 | Did not handle negative coordinates | 🗹 |
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**Deliverables due 4 days after your lab day:**

* Final testing report listing tests conducted, bugs fixed, and the final tests passed.
* Execute acceptance tests (results in Jira), and debug.
* Updated requirements traceability matrix stored in the repository.
* Completed scrum report including reflection questions answered.

**Rubric:**

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| --- | --- | --- |
| **Individual** | Group participation (includes GitHub commits and Jira usage) | 80% |
| Teamwork | 20% |
| **Group** | Complete solution code running and executing successfully | 20% |
| Test execution (performed, results recorded, issues created) | 10% |
| Updated requirements traceability matrix | 5% |
| Final test report | 30% |
| Debugging (bugs fixed, documented, Jira updated) | 5% |
| Git usage (used properly with good structure) | 5% |
| Jira usage (creates issues, tracks progress) | 10% |
| Scrum report & reflections | 15% |
| **Deadline** | 20% deduction for each day you are late |  |

**SCRUM Report**

**Summary of Tasks Completed or Delayed in the last week:**

Here you can list all of the tasks completed in the last week along with any tasks which could not be completed with a reason why they could not be completed.

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| **Member** | **Tasks Completed** | **Tasks Delayed/Blocked** |
| **Duc Phu Nguyen** | **Completed traceability matrix color up** | **20min** |
| **Duc Phu Nguyen** | **Write final report** | **39 min** |
| **Anthony K** | **Completed delivery of final solution** | **2 h** |
| **Anthony K** | **Add bug cases for final report** | **30 m** |
| **Harmanpreet** | **Done with reflection ques 3** | **20 min** |
| **Jashandeep** | **Reflection , scrum** | **23 min** |
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For every task delayed or blocked, describe the reason for the delay or block, how it impacts the project and the proposed solution or workaround**.**

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| --- | --- |
| **Delayed or Blocked Task** | **N/A** |
| **Reason for delay or block** | **N/A** |
| **Impact on Project** | **N/A** |
| **Solution or work-around** | **N/A** |
|  |  |
| **Delayed or Blocked Task** | **N/A** |
| **Reason for delay or block** | **N/A** |
| **Impact on Project** | **N/A** |
| **Solution or work-around** | **N/A** |

**Summary of Meeting:**

A summary of the main points discusses in the meeting and the outcomes of the discussions.

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| Topic | Discussion Summary | Outcome |
| Division of work | **Everyone will work on certain part** | **completed** |
| Final report | **Duc Phu Nguyen we lead the final report and other will help along.** | **completed** |
| Scrum report | **Everyone will do a question of reflection** | **completed** |
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**Summary of Decisions Made:**

This will include major architecture and design decisions, testing decisions, prioritization of tasks, dealing with problems encountered and other major outcomes from the meeting.

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| Decision | Rationale |
| Prioritization of tasks | To give priority to task which need to be done first. |
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**Tasks Attempted During Meeting:**

Each member is assumed to participate in the SCRUM meeting and contribute to the completion of the SCRUM report and reflections. Since the SCRUM meeting will not take more than 20-30 minutes, there is lots of time left to undertake some of the actual work tasks. In the table below, each member should list what they did to complete the SCRUM report, the reflections, and 1-4 other tasks they completed during the class period. If a task could not be completed, the student should indicate why this was not possible.

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| --- | --- | --- | --- |
| Member | Task Attempted | Time Spent | Complete? |
| Anthony K | **Question 1** | **20 m** | **yes** |
| Harman | **Ques 3** | **20 m** | **yes** |
| Duc Phu Nguyen | **Question 2** | **30 m** | **yes** |
| Jashandeep Singh | **Reflect question 4** | **15 min** | **yes** |
| Jashandeep Singh | **Scrum report** | **8 min** | **yes** |
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**SCRUM Tasks Selected for Next Week**:

The tasks each member has selected to pursue for this class or the next week.

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| Group Member | Task Description |
| All | The project is completed, so, everyone will now prepare for the exam |
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**Major Outcomes of Meeting:**

This is where you should highlight the major accomplishments of the class.

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| Outcome | Impact on Project |
| A team member was leading the final report | **The whole process become smother** |
| Work Was divided | **This helped in successful completion of Ms06 on time** |
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**Things That Went Well in This Meeting:**

Here you can highlight things which worked well. This indicates that the way you worked on these items is working and should be continued.

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| Topic/Work Item | Reason for Success |
| Scrum Report | **Everyone contributed** |
| Division of work | **Everyone was very co-operative and attended the meeting** |
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**Things That Did NOT go Well in This Meeting:**

This is where you can list things which did not go well in the class. You should analyze why this happened and suggest how you can improve it next time. This will lead to the goal of *continuous process improvement*.

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| Topic/Work Item | Reason for Problem and How to do Better |
| N/A | **N/A** |
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**Reflections**:

Answer the following questions using your own words. Make sure that each answer comprises a minimum of 100 words.

1. Although we wrote a report on the testing that shows which tests were run and passed or failed, we also updated the function test matrix. What are the advantages of updating the function test matrix in addition to writing the test report?  
     
   The function test matrix adds a visual contribution towards understanding the overall testing consensus for the project at the point in time it is consulted. The function test matrix has been developed and expanded over time throughout the project, changing and fluctuating based on the changing development of the project. The project matrix provides a visual map of the requirements and displays testing information in a 2 dimensional and color-coded matrix, allowing for visual analysis. Meanwhile, the testing report can provide more detailed written information about the test cases, incorporating a logical and systematic approach towards documenting the test data. In conjunction, the test report and test matrix work together to provide a comprehensive visual and informative documentation of the testing for the project. The test matrix can also provide a rapid signal when there are bugs in the code, as the viewer can quickly distinguish the color coded elements at a glance, where as it would take more time to search for the bug in the report, the matrix can provide a reference to the place in the report where a problem exists.
2. Teamwork on a project like this is vital to success. How well did your team work? If it worked well, what contributed to its success? If it did not work well, what contributed to the problems?  
     
     
     
   Teamwork plays an essential role in the success of any project. In this project, we have experienced both benefits and challenges. One of the significant advantages is communication. It is undeniable that communication is key to success. To prove this, we have arranged meetings twice a week to discuss and break down tasks to complete milestones and ensure every team member understands their role and responsibility to meet the deadlines. Additionally, teamwork allows for better resource allocation, as we understand each other's strengths and support one another in times of need. However, along with these benefits come challenges that we must address. One significant challenge we face is the occasional lack of responsiveness from some team members. This can lead to delays, misunderstandings, and frustration within the team. To solve conflicts, it is important to resolve conflicts constructively to ensure that our teamwork remains effective, and our project succeeds.
3. In every milestone you were asked what worked and did not work along the way. Were you able to incorporate what you learned to improving your team’s performance on the next milestone? Did your team learn from its mistakes and improve? If so, why? If not, why?

Yes, we were successful in enhancing our team's performance for the subsequent milestone by using the lessons we learnt from each one. By analyzing our successes and failures, we were able to pinpoint areas for development and modify our strategy accordingly.When we discovered that in a specific milestone was when communication breakdowns happened, we put plans in place to improve channels of communication, such scheduling frequent sync-ups or making better use of project management tools. We reevaluated our team dynamics and made the required adjustments whenever we ran into problems with task allocation or individual duties to make sure everyone understood their roles and expectations.

1. Did you end up testing the code to the point where you were convinced it worked correctly? Were there any tests that had not passed at the end? If so, what was the impact of this on the project?

Indeed, our team thoroughly tested the software through unit, integration and acceptance tests to verify its functionality. This meticulous procedure validated that all test cases were successful confirming that the software met requirements and functioned reliably in situations. The successful testing phase greatly boosted the confidence, of the development team in the software’s dependability and consistency. Ensuring that the software aligned with project specifications and performed well in scenarios facilitated the completion of the project without any hitches. In essence, the flawless testing process played a role in delivering the project on schedule, with standards of quality showcasing the expertise of the development team and guaranteeing a dependable product that met user expectations and business demands.