# **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**: \_\_\_\_\_\_\_\_\_\_\_\_\_B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Members Present**:

|  |  |
| --- | --- |
| 1.Jeetkumar Patel | 4. Arthav Patel |
| 2. Jeet Patel | 5. Sahil khatri |
| 3. Samarth Shah | 6. Yash Shah |

## 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** |
| **Jeet Patel** | **Test Execution** |  |
| **Arthav Patel** | **Debugging** |  |
| **Jeetkumar Patel** | **Update final tracability matrix** |  |
| **Samarth & Yash** | **Test Report** |  |
| **Sahil khatri** | **Acceptance testing** |  |
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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** |  |
| **Reason for delay or block** |  |
| **Impact on Project** |  |
| **Solution or work-around** |  |
|  |  |
| **Delayed or Blocked Task** |  |
| **Reason for delay or block** |  |
| **Impact on Project** |  |
| **Solution or work-around** |  |

**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 |
| Test Report | **After dividing the work , Samarth has no work to do in this milestone.** | **Yash and Samarth will work together on the test report** |
| Debugging | **Who will debug the final version of the code** | **Arthav will do final debugging.** |
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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 |
| Update Function-Test Matrix in Repository | Updating the function-test matrix in the repository will provide an accurate record of all tests performed and their outcomes. It helps in ensuring comprehensive test coverage and acts as a reference for future maintenance and testing efforts. |
| Review Test Matrix for Completeness | Ensuring that every test in the function-test matrix has been performed and passed is crucial to verify that the software has undergone sufficient testing and meets the required quality standards. |
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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? |
| Jeet Patel | **Start testing final execution** |  |  |
| Arthav Patel | **Started debugging final version** |  |  |
| Samarth & Yash | **Work on test report** |  |  |
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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 |
| Task Prioritization | The team prioritized tasks related to acceptance testing and bug fixing to address critical issues first and ensure the timely completion of deliverables. |
| Collaboration and Communication | The meeting facilitated effective collaboration and communication among team members, leading to the successful resolution of issues and progress towards the final milestone |
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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 |
| Debugging | **No bugs were found in the final version as debugging was done properly.** |
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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?  
     
   Updating the function test matrix in conjunction with crafting the test report yields several advantages. Firstly, it enhances traceability by serving as a comprehensive reference point. This matrix meticulously records which functions were tested, their corresponding outcomes, and any encountered issues. Such detailed documentation proves invaluable for future maintenance tasks and troubleshooting efforts. With this level of traceability, teams can easily track the evolution of the software and address any discrepancies that arise.

Moreover, maintaining an updated function test matrix provides stakeholders with a holistic view of the testing process. By consulting this matrix, they can swiftly assess the overall test coverage and identify any potential gaps or areas requiring further attention. This comprehensive perspective enables informed decision-making regarding the allocation of resources and prioritization of testing efforts. Additionally, it fosters transparency and accountability within the development team by ensuring that all aspects of the software are thoroughly evaluated.

1. 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?  
     
   The team did a great job and helped make the project successful. They worked well together by talking openly, cooperating, and giving tasks to each person based on what they were best at. This made sure everyone knew what to do and could do their best work. When problems came up, they talked about them quickly and found solutions. Overall, the team's teamwork, communication, and smart task assignments were key reasons the project went well.
2. 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?  
     
   We made sure to test the code really well, and it all worked correctly in the end. However, we found a few small problems during testing, but we fixed them right away to keep the project in good shape. This shows that we're focused on making sure everything runs smoothly and works as it should.
3. 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?

We rigorously tested the code, and everything passed without any issues, which guaranteed the project's reliability and accuracy. However, a few minor bugs popped up during testing, but we quickly fixed them to ensure the project stayed high-quality and stable. This proactive approach to bug fixing demonstrates our dedication to delivering a dependable final product.