# SCRUM Report and Reflections - 6

**Members Present**:

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| 1. Prabhjot Singh Longia | 4. Divya Devendrasinh Rana |
| 2. Harsh Pahurkar | 5. |
| 3. Mukul Sharma | 6. |

## Milestone 6 Tasks

* Run acceptance tests
* Fix any remaining bugs found
* Produce a testing report listing all conducted tests and results
* Review and update the test matrix to confirm all tests have been performed and passed
* Change the color of tests in the matrix to indicate successful completion
* Ensure all tests in the matrix have been passed

**SCRUM Report**

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

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| **Member** | **Tasks Completed** | **Tasks Delayed/Blocked** |
| **Prabhjot** | **Updated main branch with the improvised and optimized version of the functions and program** |  |
| **Mukul** | **Created and executed final tests** |  |
| **Harsh** | **Updated the test-matrix and included the final tests** |  |
| **Divya** | **Created final test report, mentioning improvements and bug fixes. Prepared the scrum report** |  |
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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** |  |
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| **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 |
| modifying main branch with the functions and program's improvised and optimized iteration | The conversation centered on improving program iterations and introducing more sophisticated functionalities into the main branch. | The conclusion was agreement to make the changes, with the expectation of improved performance and simplified procedures. |
| developing and carrying out final testing | The discussion revolved around the completion of development and the successful execution of final testing | The outcome was unanimous approval to proceed with the next phases, highlighting a pivotal milestone achieved. |
| revising the test matrix and including the results of the tests | The discussion centered on the revision of the test matrix to encompass comprehensive test outcomes. | The outcome involved an updated test matrix, incorporating detailed test results, facilitating informed decision-making and future refinements. |
| Writing the final test report which indicates enhancements and bug solutions. Preparing the scrum report | The discussion emphasized the completion of the final test report, showcasing identified enhancements and resolved bugs. | The outcome comprised a well-documented report that will guide further iterations and reinforce the project's quality and reliability. |
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**Summary of Decisions Made:**

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| Decision | Rationale |
| modifying main branch with the functions and program's improvised and optimized iteration | to enhance overall system performance and user experience |
| developing and carrying out final testing | The decision to develop and carry out final testing is rooted in ensuring the product's readiness for deployment. |
| revising the test matrix and including the results of the tests | By updating the test matrix with detailed results, the decision ensures a comprehensive overview of testing outcomes, enabling informed decision-making for further improvements and refinements. |
| Writing the final test report which indicates enhancements and bug solutions and preparing the scrum report | This report provides a clear record of the progress made, showcasing areas of improvement and demonstrating the successful resolution of identified issues. |
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**Tasks Attempted During Meeting:**

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| Member | Task Attempted | Time Spent | Complete? |
| Prabhjot | modifying main branch with the functions and program's improvised and optimized iteration | 3 hours | YES |
| Mukul | developing and carrying out final testing | 2 hours | YES |
| Harsh | revising the test matrix and including the results of the tests | 2 hours | YES |
| Divya | Writing the final test report which indicates enhancements and bug solutions and preparing the scrum report. | 2 hours | YES |
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**Major Outcomes of Meeting:**

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| Outcome | Impact on Project |
| The modification of the main branch with improved functions and optimized program iterations results in a more efficient and reliable software system. | This decision positively impacts the project by enhancing user experience, increasing system efficiency, and reducing the likelihood of issues arising during usage. |
| The successful development and execution of final testing result in a thoroughly validated and refined software product. | The outcome of developing and carrying out final testing ensures a high-quality, reliable, and robust software solution. |
| The revised test matrix, including detailed test results, provides a comprehensive overview of the software's performance and behavior during testing. | The outcome of revising the test matrix and including test results is increased transparency and informed decision-making. |
| The completion of the final test report detailing enhancements and bug solutions, along with the preparation of the Scrum report, results in comprehensive documentation of the development process. | Firstly, it provides a clear record of the project's evolution, making knowledge transfer and future iterations more efficient. Secondly, it facilitates informed decision-making for further development cycles by highlighting areas of success and improvement. |
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**Things That Went Well in This Meeting:**

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| Topic/Work Item | Reason for Success |
| The modification of the main branch with improved functions and optimized program iterations results in a more efficient and reliable software system. | The success of optimizing the main software branch stems from clear objectives, expert analysis, collaboration, rigorous testing, and user-centered design. |
| The successful development and execution of final testing result in a thoroughly validated and refined software product. | The success of achieving comprehensive final testing lies in meticulous planning, rigorous execution, and systematic validation. |
| The revised test matrix, including detailed test results, provides a comprehensive overview of the software's performance and behavior during testing. | The success of revising the test matrix hinges on meticulous documentation and transparent reporting. |
| The completion of the final test report detailing enhancements and bug solutions, along with the preparation of the Scrum report, results in comprehensive documentation of the development process. | Success in this topic is driven by meticulous documentation, capturing both technical refinements and project management insights. |
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**Things That Did NOT go Well in This Meeting:**

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

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?

* There are some important advantages of updating the function test matrix simultaneously with creating the test report. The matrix gives a brief summary of test results and coverage for various functionalities while also providing a simplified visual depiction of the testing landscape. This makes it easier to spot trends, potential bottlenecks, and potential problem areas. Additionally, the matrix promotes effective resource allocation by coordinating development activities with testing gaps and needs. Additionally, it functions as a succinct communication tool that makes transparent reporting to stakeholders possible. Through the preservation of testing history and the provision of insights for ongoing improvements, risk reduction, and knowledge transfer, the matrix serves as a documentation asset that supports future development.

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?  
   🡪 Strong teamwork depends on clear roles, good communication, and common objectives. Teams that are successful keep lines of communication open, work together effortlessly, and distribute jobs well. On the other hand, problems could result from poor cooperation, unclear roles, or miscommunication. Teamwork and project success can be improved by addressing these problems through clear communication, defined roles, and efficient procedures.
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 improve 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 applying what we learned from each milestone to enhance our team's performance for the following ones. Utilizing the knowledge learned from both successes and failures, our team actively adopted a culture of continuous improvement. We carried out in-depth retrospectives to determine what went well and what required improvement. We improved our procedures, communication strategies, and task distribution through the analysis of these experiences, leading to greater productivity and more seamless collaboration. Our team's capacity to learn from failures and adjust for greater success was demonstrated by this commitment to learning and adaptation, which resulted in observable gains.

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?

* After conducting the acceptance test, the code underwent extensive testing using diverse inputs, including edge cases, to ensure its functionality. Although rigorous testing covered most scenarios, the possibility remains that certain unconsidered cases could lead to unforeseen behavior. Despite this, the program has undergone thorough testing overall.