SFT221 SCRUM Report and Reflections

This report should be completed in the class and submitted at the end of class. Late submissions cannot be accepted without prior approval of the instructor.

**GROUP**: \_\_E\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Members Present**:

|  |  |
| --- | --- |
| 1.  Jay Vakil | 4.  Harsh Dugar |
| 2.  Hetav Mamtora | 5. Mohit Sheth |
| 3.  Srujal Patel | 6. Viren Vaishnav |

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 | þ |
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**Deliverables Due at end of Lab:**

* SCRUM Report and reflections

**Deliverables Due at 23:59 4 Days after Lab:**

* Execute acceptance tests(results in Jira), and debug.
* Updated function-test matrix stored to the repository.
* Final Testing report listing tests conducted, bugs fixed and the final test passed.

**Rubric**

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| --- | --- | --- |
| Individual | Group Participation | 75% |
|  | Teamwork | 10% |
|  | SCRUM Report & reflections | 15% |
| Group | Updated test matrix | 20% |
|  | Final test report | 20% |
|  | Test Execution (performed, results recorded, issues created) | 10% |
|  | Debugging (Bugs fixed, documented, Jira updated) | 5% |
|  | Git Usage (used properly with good structure) | 5% |
|  | Jira Usage (creates issues, tracks progress) | 5% |
|  | Meets Deadlines | 5% |
|  | SCRUM Report & reflections | 30% |

**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** |
| **Jay Vijaykumar Vakil** | **Completed the function, contributed heavily in making test cases, test cases implementation, test cases running.** | **NONE** |
| **Mohit Sheth** | **I made the integration test cases last week along with completing the SCRUM report answering the reflection question.** | **NONE** |
| **Hetav Manojkumar Mamtora** | **Worked on test cases as well as testing and implementation of those tests.** | **None** |
| **Harsh Dugar** | **Completed the traceability matrix and made the acceptance test cases.** | **None** |
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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** |
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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** |
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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?** |
| Jay Vijaykumar Vakil | **Function debugging** |  | **YES** |
| Hetav Manojkumar Mamtora | **Unit tester and testcases.** |  | **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** |
| **NA** | NA |
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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** |
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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** |
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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** |
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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?

Updating the function test matrix while creating a test report provides various complimentary benefits for a thorough testing procedure. The function test matrix is a structured record that associates tests with certain functions or features. This traceability helps to ensure that all portions of the software are fully tested, preventing coverage gaps. The matrix also makes targeted regression testing easier by determining which tests need to be performed following upgrades. It promotes systematic test planning and management, allowing for more informed software readiness decisions. Patterns and trends in test findings can be identified, exposing problem areas. Structured communication improves collaboration, while identifying important functions improves risk assessment. Overall, the function test matrix promotes extensive documentation, effective traceability, and proactive quality improvement, which makes it useful.   
   
   
   
   
   
 

1. Teamwork on a project like this is vital to success. How well did your teamwork? If it worked well, what contributed to its success? If it did not work well, what contributed to the problems?

So, our team worked things out well in terms of everything. Everyone was aware of the tasks they were assigned as well as everyone taking the responsibility to make things work out, it was not an easy task, but it had to be done. So far, our teamwork has shown success, for which I give credit to all the long discussions as well as all the team meetings which were productive at each milestone. The major thing that contributed was people’s willingness to work as well as having each other's back. So so far it was a success.   
   
   
   
   
   
 

1. 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?   
      
   At each milestone, our team continually evaluates what worked effectively and what created challenges. This thought process greatly influenced our approach to the next milestones, allowing us to adapt and improve our performance. We learned from both successes and mistakes, identified areas for improvement and implemented strategies accordingly. When certain practices yielded positive results, we integrated them into our workflow to maintain efficiency. On the other hand, when faced with difficulties, we look for innovative solutions to overcome obstacles. Our team's commitment to continuous improvement has fostered a culture of learning, open communication and sharing. Through these joint efforts, we were able to develop our skills, improve our processes and ultimately improve our performance throughout the project, demonstrating our ability to learn and grow as a cohesive team.
2. 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?

Well as a group we tried testing and fixing the code to a certain point that it passes all the criterias and test cases to work successfully. There may be some bugs still lying in the code that we are unaware of but all in all the milestone was successful. Yes, there were few according to us but during the unit testing all the test cases were passed and all the function implementations worked properly without any problem. Some of the bugs caused a lot of delay in the submission and after a lot of discussion and trial and error we somehow managed to make this code work.