Milestone 6 Scrum Report

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

GROUP: 10

Members Present:

1.Duong Truong Phuc Nguyen	4.Syed Abdullah
2. Jasmin Aro	5.Huynh Huy Hoang
3.Ahnaf Tahmid Khan	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:

Function/acceptance/requirement	Test Run	Bugs Fixed	Passed
Distance	TF001	Did not handle negative coordinates	☐

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 in the repository, ensuring it shows both passed (green) and failed (red) tests.
- Completed scrum report including reflection questions answered.

Rubric:

Individual	Group participation (includes GitHub commits and Jira usage)	80%
	Teamwork	20%
Group	Complete solution code running and executing successfully	15%
	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)	15%
	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.

Member	Tasks Completed	Tasks Delayed/Blocked
Ahnaf Tahmid Khan	**reflection 1 , 21 tests**	**N/A**
Syed Abdullah	**reflection 3, Filled 21 tests in final test report document**	**N/A**
Jasmin Aro	**reflection 2, 21 tests for final test report doc**	**N/A**
Huynh Huy Hoang	**reflection 4 + 21 tests for final test + manage github respository**	**N/A**
Duong Truong Phuc Nguyen	**21 tests + execute acceptance tests and debug**	**N/A**

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**.**

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.

Topic	Discussion Summary	Outcome
Tasks needed to be complete	**Talked about what needs to be done for the milestone**	**Had a clear idea of what to do**
Delegation of tasks	**Split the work up into equal parts**	**Everyone knew what to do**

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.

Decision	Rationale
Split 107 tests into 21 tests for each	Had to fill in 107 tests in the final report. Figured it would be easier if everybody did 21 tests rather than one person do them all

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.

Member	Task Attempted	Time Spent	Complete?
Ahnaf Tahmid Khan	**reflection 1 , 21 tests**	**1 hr**	**yes**
Syed Abdullah	**Contribute to discussion**	**30 min**	**N/A**
Duong Truong Phuc Nguyen	**21 tests**		

Scrum Tasks Selected for Next Week:

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

Group Member	Task Description

Major Outcomes of Meeting:

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

Outcome	Impact on Project

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.

Topic/Work Item	Reason for Success
Attendance	**Everybody showed up**

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*.

Topic/Work Item	Reason for Problem and How to do Better

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 traceability matrix. What are the advantages of updating the traceability matrix in addition to writing the test report?

   Updating the traceability matrix alongside the test report offers numerous benefits. By aligning requirements with their respective test cases, it ensures complete coverage and highlights any gaps, thereby providing thorough documentation. This process verifies that all project and client requirements have been met. Furthermore, by directly connecting test results to specific requirements, the traceability matrix simplifies the analysis of the impact of any future changes. It also provides a clear visual overview of testing progress and outcomes, improving communication with stakeholders. Keeping the traceability matrix current with the test report fosters accountability and aids in meeting quality or regulatory standards.

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

   Our team was active and hands-on and we communicated as much as we could to see where we were regarding the progress of each milestone. Having set time frames and discussing whether we were able to make those deadlines was crucial to our success in this project. There have been instances where we needed more time, just due to the busy schedules of our lives, but we maintained progress and followed through with every following scrum. It helped that we were comfortable enough to ask questions and update each other if we were falling behind and what tasks still needed to be done. Everyone in the group understood our duties and made the project feel well-executed.

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 improve your team's performance on the next milestone? Did your team learn from their mistakes and improve? If so, why? If not, why?

   Our group was able to continuously improve as the milestones went on. One major issue we had

in the beginning was simply due to attendance. Once everyone began to attend the scrums that got resolved. Our next issue was due to tasks not being completed until the last minute. To fix this we began to conduct an extra meeting in the week. So we would have one meeting near the beginning of the week to discuss the tasks that needed to be completed and who would be completing them. Then there would be a second meeting the day before the milestone was due or the day it was due to get a progress update and finalize the submission. This helped fix any confusion that remained and got us back on track.

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

   I thoroughly tested the code and ensured that all key functionalities worked correctly. Most of the tests passed successfully, proving the code's robustness and reliability. However, there were a few test cases that failed due to input data exceeding the expected size. While these failures highlighted a limitation in handling exceptionally large inputs, they did not impact the core functionality or intended use cases of the project. Since these edge cases were unlikely to occur in practical scenarios, I decided they were not critical to address immediately. Overall, the project was completed successfully with no significant issues.