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**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Members Present**:

|  |  |
| --- | --- |
| 1. Shaheer | 4. Maharshi |
| 2. Pujan |  |
| 3. Jeelkumar |  |

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 sample report can be tabular like this:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function | requirement | Test Run | Bugs Fixed | Passed |
| checkEmpty | Check truck capacity | T013 | Did not handle negative weight input | Checkmark |
| validDestination | Destination validation | T029 | Did not handle input “AB” which is invalid destination | Checkmark |
| Acceptance Test | Integration test | INT01 | - | Close |

**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**

|  |  |  |
| --- | --- | --- |
| 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** |
| Shaheer Ali Khan | Scrum report + Acceptance Test | **-** |
| Pujan | Acceptance Test | **-** |
| Jeel | Function implementations | **-** |
| Maharshi | Function implementations | **-** |
| Shaheer Ali Khan | Acceptance Test | **-** |

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 |
| Assigning the tasks | Shaheer Ali Khan: responsible for scrum report + acceptance tests. | **-** |
|  | Pujan Shah: responsible for acceptance tests. | Have a good responsibility. Submit the task on time. |
|  | Jeel Kumar: responsible for adding function for displaying the divert route | The shipping line is correct but the diversion route is not as expected. |
|  | Maharshi Patel: responsible for adding function for displaying the divert route | Bugs couldn’t be solved. |
|  | Shaheer Ali Khan: responsible for acceptance tests. | Fast work but delayed submission. |

**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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| --- | --- | --- |
| Topic | Discussion Summary | Outcome |
| Assigning work | * Adding function for displaying the divert route |  |
|  | * acceptance tests |  |
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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.

**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 |
| Project Manager | * No assignment due to final assessment week |
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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 |
| Work assigned | Group members can prepare according to their roles. |
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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?

The function test matrix should be updated together with the test report to give a brief overview of testing activities. The matrix graphically shows the tested functions and components, indicating coverage and any potential gaps, while the report lists the test results. With this two-pronged strategy, testing is guaranteed to cover all essential components of the program, and efficient progress monitoring and decision-making are made possible for future improvements.

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 effectiveness of our teamwork relies on individual responsibility and the completion of specific milestones. Workloads may vary from week to week due to differences in the progress of each milestone. For example, during MS4, which involves testing, testers play a major role in completing the milestone. On the other hand, in MS2, developers take on a significant role due to the implementation function. Overall, all team members have given their best efforts to successfully finish the project and fulfill their assigned tasks.
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?

Yes, our team has learned from its mistakes. During each milestone, we assessed what worked well and what didn't, and we incorporated those lessons to enhance our team's performance in subsequent milestones. For example, in MS4, we faced challenges that led to delays in submitting the milestone on time. As the project manager, in MS5, I made a conscious effort to allocate tasks to team members based on their individual abilities. This approach aimed to minimize the need for extensive checking and fixing of work, thereby optimizing our productivity and ensuring timely completion of the milestone.

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?

We extensively tested the code, yet we weren't entirely convinced of its flawless functionality due to a specific issue – it failed to print the diversion as required. However, we meticulously examined various scenarios, including error checks for messages like 'Invalid destination' or 'Invalid weight,' and these tests yielded positive results. Notably, none of the tests encountered failures, which was an encouraging indication.

The inability of the program to print the diversion emerged as a significant concern. Consequently, our confidence in the program's performance remained somewhat limited. This particular problem had a notable impact on the project since it left a crucial aspect of the program unverified. Addressing the diversion printing issue became imperative to ensure the program's reliability and align with the project's objectives.