# **Milestone 2 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**: \_\_\_\_\_\_\_\_\_\_\_\_SFT211-ZFF\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Members Present**:

|  |  |
| --- | --- |
| 1. Sidhart Variyath | 4. Sofiia Parkhomenko |
| 2. Fahad Bin Adbullah | 5. Mihir Bakulbhai Patel |
| 3. Anurag K C | 6. Jaskaran Singh |

## Milestone 2 Tasks

Some of the software for the project has already been written for you and is available on Blackboard. You must use this in your project and every team should add it to the source code for their repository. Anything in the main function is simply for demonstration purposes and can be replaced. The software you are being given has not been tested and you will need to test it.

You need to study the problem and the code provided for you and then:

* Add any new data structures you will require This will require a thorough analysis of the problem and the existing software. This should be done by creating a new header file in the directory where the rest of the source code has been placed. You do not want to go back and modify it later if you can avoid it as it will slow the project.
* Create a test plan for the project by replacing the text in the supplied test plan template with your test plan.

**Deliverables due 4 days after your lab day:**

* An analysis of the problem (no written artifacts produced).
* A series of data structures created as header files and **stored in the repository**.
* A test plan 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** | Data structures (complete, correct, and well-designed, updated in the project, and added to the repository) | 25% |
| Test plan (complete, well-written) | 25% |
| Git usage (used properly with good structure) | 10% |
| Jira usage (creates issues, tracks progress) | 20% |
| Scrum report & reflections | 20% |
| **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 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** |
| **all** | **SCRUM, Git contribution, Test Plan, Development** | **N/A** |
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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** | **N/A** |
| **Reason for delay or block** | **N/A** |
| **Impact on Project** | **N/A** |
| **Solution or work-around** | **N/A** |
|  |  |
| **Delayed or Blocked Task** | **N/A** |
| **Reason for delay or block** | **N/A** |
| **Impact on Project** | **N/A** |
| **Solution or work-around** | **N/A** |

**Summary of Meeting:**

A summary of the main points discussed in the meeting and the outcomes of the discussions.

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| Topic | Discussion Summary | Outcome |
| SCRUM REPORT | **finished** | **scrum report Finished** |
| TEST PLAN | **TEST PLAN done** | **TEST PLAN Finished** |
| NEW H FILE | **NEW H FILE ADDED** | **H FILE Finished** |
| Jira | **Task Schedules setup in Jira** | **completed** |
| Git | **Git COMMITS** | **completed** |
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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 |
| Prioritization of tasks | **Equal amount of works assigned to each member of team.** |
| Testing Decision | **Optimized Testing** |
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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 cannot be completed, the student should indicate why this was not possible.

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| --- | --- | --- | --- |
| Member | Task Attempted | Time Spent | Complete? |
| ALL | **Analysis discussion, Analysis of problem in program and discussed** | **1hr** | **YES** |
| ALL | **Writing SCRUM report together** | **30min** | **YES** |
| ALL | **NEW H file** | **2 hr** | **YES** |
| ALL | **Test plan** | **2 hr** | **YES** |
| ALL | **Jira and Github Project page updated** | **40min** | **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 |
| Sidharth Variyath | Jira control |
| Fahad Bin Adbullah | Data structure |
| Jaskaran Singh | SCRUM, Reflection |
| Anurag K C | Reflection |
| Sofiia Parkhomenko | Scrum |
| Mihir Bakulbhai Patel | Git |
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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 |
| H File | H file creation will help with testing the project and to identity potential bugs and errors |
| Test Planning | **Testing specification has been set.** |
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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 |
| SCRUM | All contributed. |
| Git | **Useful for version control and keeping track of changes** |
| Meeting | All attended second meeting. |
| SCRUM | All contributed. |
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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 |
| N/A | **N/A** |
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**Reflection Questions:**

Answer the following questions using your own words. Make sure that each answer comprises a minimum of 100 words.

1. In this milestone you were asked to design the data structure for the project. Print the data structure below then explain each item.
2. Describe the process you used to analyze and understand the existing software code.

We read the summary of the software provided and its working and requirements after which the we analyzed the exiting project files and after multiple runs and perspective changes have come to the given solution.

1. What aspects did you consider when creating the test plan? What were the milestones you identified in the test plan?  
   Review: We looked over the header and configuration files to understand how things work and spot any areas that might need improvement.

Support: We gathered data on reported issues, which helped us see what’s working well and where we can make things better.

Collaboration: We had group discussions to clear up any questions and get more details as needed.

Development: During development, we identified code updates and changes needed to achieve the desired result.

Testing: We discussed how many tests and adjustments are required to deliver a functional product.

Deadline: We set a rough timeline for our work, dividing tasks to help us meet it.