

Sprint 3 Assignment

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1. Distribution of Work

(a) Looking back over the work done, what percentage of the work was done by each member? If you need help answering this question, read over the code that you have written and assess who wrote it.

We believe that overall the work was distributed evenly. Everyone worked hard and made effective contribution to the team. Since each person contributed differently to different aspects of the project, we believe it is more appropriate to summarise the percentage of work-done based on four categories, namely discussion/brainstorm, write-up, coding, and testing. Refer to the table below for details.

Name	Discussion	Write-Up	Coding	Testing
Chenxi Ge	25%	15%	30%	30%
Yue Lan	25%	15%	20%	40%
Dixin Yan	25%	35%	25%	15%
Xiaowen Zhang	25%	35%	25%	15%

(b) In Sprint 0, you outlined your process for making sure that work was distributed evenly. Did this process work?

We were able to meet weekly on Friday afternoons to discuss what needs to be done before separately starting to work on them. As we agreed in Sprint 0, we managed to divide the work evenly such that each group member worked on the aspect that met their expertise. For each piece of the assigned work, we ensured that at least two group members worked on it for validating the results.

2. Conflicts

(a) Did you have any conflicts? If so, please describe how they were resolved and if they aligned with the policy that you outlined in Sprint 0.

We did not have any major conflict. There were times that we held different opinions on question interpretation and code structure. These conflicts all took place during our Friday meetings and

we were able to resolve them together through face-to-face discussion. Specifically, each time a conflict appeared, we were able to identify it, list approaches, discuss the corresponding pros and cons and choose a solution based on our desired outcome of the task.

3. Outcomes

(a) Did you work according to the schedule outlined in Sprint 0?

Yes. We worked on the project together every Friday afternoon from 2pm to 8pm in school. We increased our meeting time once when Sprint 1 was about to due. Sometimes a team member would be absent from the meeting for a while (around 0.5 to 1 hour) due to practicum meetings, but he or she was able to catch up quickly once getting back.

(b) Did your code fail or pass each Sprint?

Our code for Sprint 1 passed the test. The test result for Sprint 2 was not released yet, but we are confident that our code will pass the test.

(c) What went well with your process? What could have been improved? If your code did not succeed, why? If your code succeeded, what could your process have been improved to increase efficiency? How?

In general, we have a good time together. We were able to actively contribute to the discussion and keep up with the work assigned. We could improve our documentation to prevent duplicative work and make the project more organized.

Our code passed the Sprint 1 test, but there are several things we could do to improve our efficiency.

- We could modularize our code better. In general, writing functions will make the code reusable and has a better structure.
- When using “Try Except”, it would be better to catch each specific “ErrorType” instead of using “pass” to add more granularity to error handling process.
- We could add more detailed description in the comments to improve readability of the code.
- We could put the log files into a separate folder to avoid confusion.