RetroSpective

- Sprint Velocity (Total = 117.5 Effort Points)
  - Aiden: 18
  - Kameron: 23
  - Jacob: 19.5
  - An: 19
  - Parth: 19
  - Khuong: 19

- What did we do well?
  - Aiden:
    - Professor Vong separated us into like-minded teams. It was refreshing getting to work with teammates who are just as eager as I am to work on this project. In that regard, I believe our work ethics combined well with each other.
  - Kameron:
    - We have learned how to work together as a team well
    - A better understanding of our deliverables
    - Much better at gaining feedback from Vong (when we provide all the necessary information)
  - Jacob:
    - We had another perspective for forming sprints which made it better for approval
  - An:
    - We have good communication.
    - Work better on docs revision.
    - Major of the group stays after class for office hours.
    - We know each other works.
  - Parth:
    - We were able to communicate properly with each other.
  - Khuong:
    - We learn to communicate with each other more frequently and effectively.
    - We asked the professor more questions.

- What could we improve on?
  - Aiden:
    - We didn't have a plan for inputting burndown chart data.
    - We didn't update the backlog according to backlog grooming.
  - Kameron:

- - - During sprint planning, we underestimated the work needed for certain items and overestimated the work needed for other items
      - Need a more accurate estimation of the the work-load I can handle
  - Jacob:
    - For me, I overestimation the hours for doing the tasks and didn't break down the tasks granular enough
  - An:
    - We could spend more time researching the topic of making the library more modular, easy to maintain, and reuse.
  - Parth:
    - Understand the requirements and ask more questions.
  - Khuong:
    - We need to spend more time researching what model and design goal is required for each component.

- How do we fix it?
  - Aiden:
    - In the future, I believe it should be mandatory to update our "effort applied" and upload our sprint burndowns after every scrum (ie: Mon, Wed, Fri).
    - After backlog grooming during sprint planning, we must update the backlog.
  - Kameron:
    - Research my assigned work items or coming up assignments before doing task breakdown to gain a better understanding of items
    - Break down tasks into more granular work to get a better estimation of work items
  - Jacob:
    - Break the tasks down further into even more granular tasks to account for each draft
    - Put a few hours for granular estimations
  - An:
    - Adding more questions for more requirements and feedback.
    - Research on the technology that allows us to make extensible classes and methods.
  - Parth:
    - Go to office hours.
  - Khuong:
    - Spend more time during office hours, and prepare relevant and necessary questions to ask the professor.

Action Plan

- :
  - Aiden:
    - After scrum standup, everyone must update their sprint burndown chart "effort applied" column.
    - I will upload our Sprint Burndown to Github after the team has finished the daily scrum.
    - We will update the backlog after backlog grooming.
  - Kameron:
    - Look on Trello and research upcoming work items once a week every week
    - Anything I find I will share with the team in our Discord chats
  - Jacob:
    - Come up with a list of quick questions for individual tasks for quick revisions from Vong after every class on Monday/Wednesday
    - Research a feasible class design for the creation of performant code
    - Gain information from other groups and the same group member's questions to Vong so his feedback is not redundant
  - An:
    - Each member should send in at least 2 drafts a week.
    - Learn how to use dictionaries and dynamic objects, and how to add security to them.
    - Add an extra 3 hours for researching next spring because there are always requirements we don't know about.
  - Parth:
    - Research the core requirements needed to finish the task and help other team members.
  - Khuong:
    - Stay after class until the end of office hours on Monday and Wednesday, listen to other classmates' questions, fix any mistakes the professor pointed out, and ask for a revision as soon as possible (ie do not leave until the question is answered).