Sprint Retrospective

* 1. **What went well in the Sprint?**
* The planetarium source code was easy to understand, which helped us focus on writing tests rather than deciphering the codebase.
* Our team had a solid understanding of the work to be completed, which helped us stay focused and productive throughout the sprint.
* Utilized branching strategies for code management, streamlining collaboration and code review.
* Communication within the team was smooth, issues were identified and addressed promptly.
* Effectively used collaboration tools (Jira, Git) to track progress and assign tasks
* Regularly integrating smaller chunks of tests into the project helped us identify issues early on.
* We were quick to assign tasks to each member.
* We did lose a team member early in the sprint, but we quickly decided how to spread their responsibilities among the rest of the team.
* The way we split the work allowed for an easy path to incremental integration testing.
* As we learned more from lecture content, we were able to design more tests
* Peer reviews ensured higher code quality.
* Successfully automated setup/teardown process for resetting the test environment, saving time and minimizing errors between tests.
  1. **What can be improved for the next Sprint?**
* Time estimates for documentation, report generation, and defect logging need to be reassessed as these tasks took longer than expected.
* We could come up with more descriptive and consistent naming conventions for test cases.
  1. **What work needs to be done next Sprint?**
* Fixing defects, re-testing and regression testing will be a priority for the next sprint. Major defects such as allowing invalid file types in planet and moon creation, returning unencrypted passwords in the API and service layer, and incorrect HTTP status codes in API responses need to be addressed ASAP.
* Reassess story points and velocity estimates to account for tasks like documentation and defect resolution, which took more time than anticipated.
* Integration with CI/CD pipeline.