Project Sprint Planning Notes
Team: Moving Houses

Sprint: 3
Date: 05/10/21

Attended: Jared Song, Aili Gong, Alexander Aloi, Shannon Dann, Carl Karama
Scrum Master: Jared Song
Product Owner: Redowan Mahmud
Development team: Aili Gong, Alexander Aloi, Shannon Dann, Carl Karama

1. Things That Went Well

All user stories promised for the sprint were completed, fully integrated in the front-end and back-end for our application. We were able to complete all the desired functionality for the sprint including, enabling admins to shut down accounts, sort registrations, customers to filter their search results and add reviews, and business users to view their book stock and transactions. Users can now also switch between a regular user account and business user account with requests that are handled appropriately, and our application is fully integrated with the Amazon RDS using PostgreSQL.

Our sprint velocity and time management were much better in this sprint compared to our previous sprints, as indicated by our burndown chart: we were able to stay below the ideal burndown for most of the sprint, a great achievement for everyone.

Everyone contributed equally to group discussions and attended all weekly meetings. Our product owner was happy with progression during all progression reports and commended our group's work ethic and weekly progress.

2. Things That Could Have Gone Better

The major issue our group experienced was with migrating our database to the remote AWS RDS. Due to our decision to pass objects as references in our relational database rather than ids of objects, we had to adjust every controller, service, and repository to be compatible with the recent changes, as well as our front-end functions. This caused our entire application to be under maintenance for several days, as we were on ensuring that all services were correctly updated. Looking back, we overlooked the fact that changing our schema for our online database would have issues with our local architecture, and we should have allocated more time to fixing and resolving these issues.

3. Things That Surprised Us

Our overall speed and velocity in completing our assigned user stories was much higher in this sprint; we were able to remain slightly below the ideal burndown line for most of the sprint. This was a surprise as we were never able to consistently achieve this in our previous sprints, however we believe this is a good indication that our group has become accustomed to the scrum agile process and are increasing our velocity each sprint as desired.

4. Lessons Learned

When we decide to make changes to our database schema, we must test that the changes will not break the current codebase. Our mistake of not considering the effect of this change led to our main application failing to run for several days which is a critical error: in future we test our application separately to ensure that any changes to our architecture will not cause major internal issues.

5. Final Thoughts

Our decision in planning for this sprint to assign user stories to infrastructure and design processes such as refactoring and migrating our database to AWS was a great idea, and we will continue to follow this in future sprints. Due to the recognition that we our sprint velocity is increasing; we will assign more user stories to the next sprint and aim to complete even more tasks.