Iteration Retrospective
Group 7

What worked well?

With release 1 there were many things that worked well. The things that worked well include refactoring, database connectivity, API usage and connectivity, communication among each other, and UI to middle-tier connection. These all worked well because of how we started our project from iteration 1. Our group left our project open for extension but closed for modification from the get-go, allowing us to implement other big user stories and expand our vision quickly and easily.

What needs to be improved?

However, there were a few things with release one that could have been improved. These things include the controller application startup, as well as project building. The items listed need to be improved due to the time it takes for the project to build is longer than it should be. Also when searching for a book or movie, the APIs used are relatively slow. This could be improved by using a local database with the same contents as the online database.

What could be done differently?

There are a few things that took place during the beginning of the release that could have been done differently. One of the main things we would do differently would be to make sure all design patterns are in place from the beginning rather than partial implementation. This is because it would have been much easier to build the project from the beginning and continue the design principles rather than using the design principles beginning in iteration 2

Design Decisions and Why?

- Our group used the strategy design pattern for the search component. This is searching required multiple classes, and using this strategy proved to be the best way to condense everything
- Our group also used the factory design pattern for creating search strategy objects, this made implementation cleaner visually as well as working on implementing other classes
- Lastly, we also used the singleton pattern for the database. This is because we wanted to always ensure the connection was readily available and responsive.n n