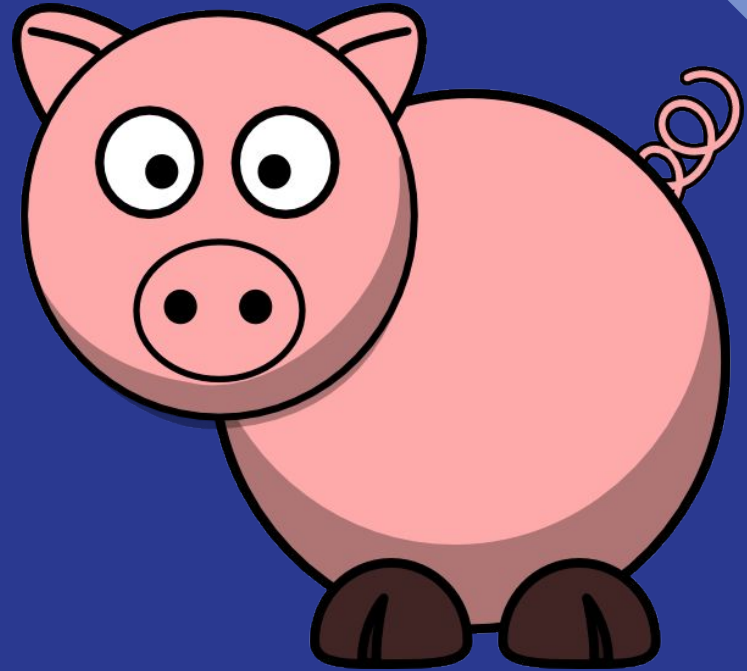


Project QuiqStiq

Team Pig



SRS

Project Requirements

Project Requirements

1. Application supports any chunk of text.
2. Improves retention of the text in the user's long-term memory.
3. Multiple user activities.
4. The software doesn't have the user type out full words.
5. The software shows proficiency level on lines and sets.
 - a. Proficiency increments with success.
 - b. Proficiency decrements with failure.



Project Requirements

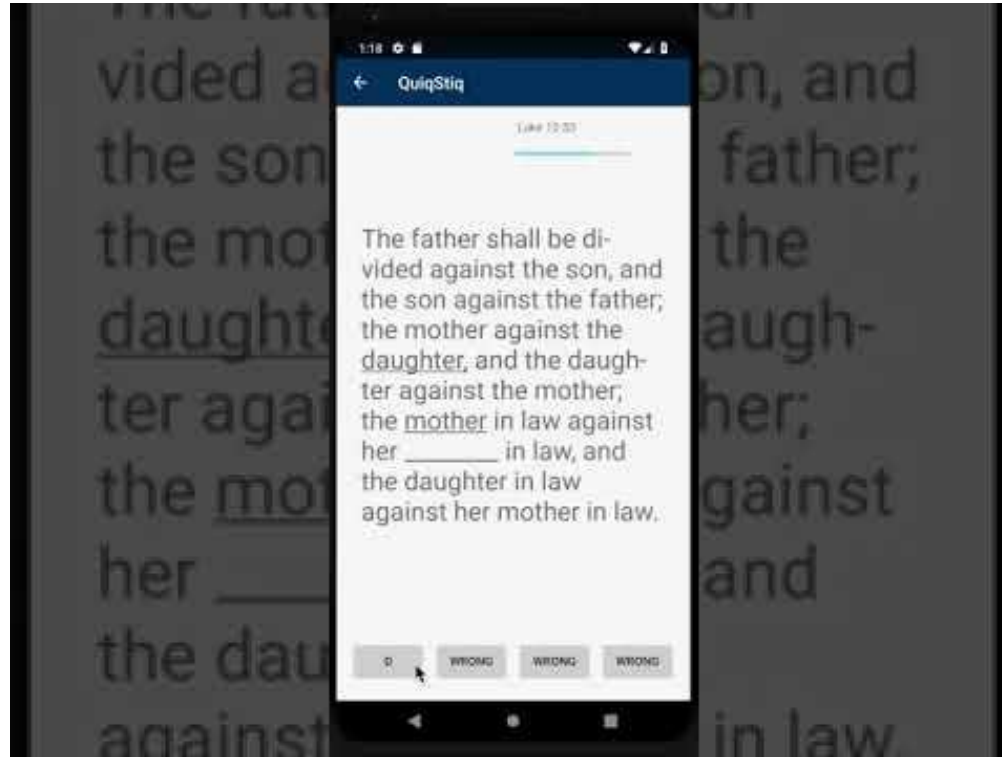
1. Has an interactive UX.
2. The software supports an android version.
3. Supports one user per phone



Demo

Working Software

Demo



Non-goals

Next steps

- Backend Server
 - Complete Texts
 - Gamification
 - User Settings
-

Backend Server

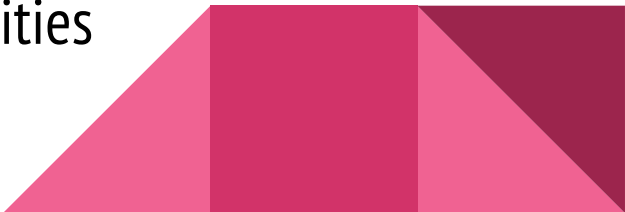
Multiple Users

- Multiple users will be allowed for any device.

Recommended Activity

- The app will be able to take a users data and recommend an activity to help their memorization based on their last performance.

Memorization Research

- Extended research will be available on which activities and intervals are most efficient for memorization.
- 

Complete Texts

Bible

- Various complete versions of the Bible will be available, as well as different languages and a speech-to-text options.

Other Texts

- Other books and documents will be available for memorization, such as the "Declaration of Independence."



Gamification

Badges

- Assigned based off of streaks, verses, chapters, packages, and books.

Leaderboard

- A global leaderboard will be in place, showing the number of badges achieved.

Experience

- Levels of experience will be awarded based off badges:
Beginners, intermediate, skilled, advanced, and expert.



User Settings

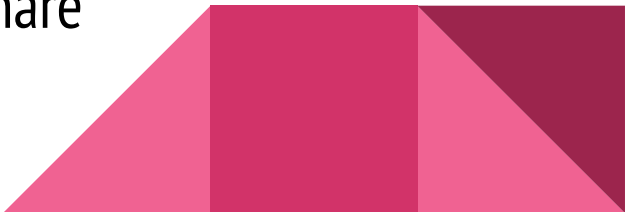
User Profile

- The user will be able to create a username and password, as well as customizing their profile, such as Bible version and language.

Difficulty Level

- The user will be able to select their difficulty for the activities.

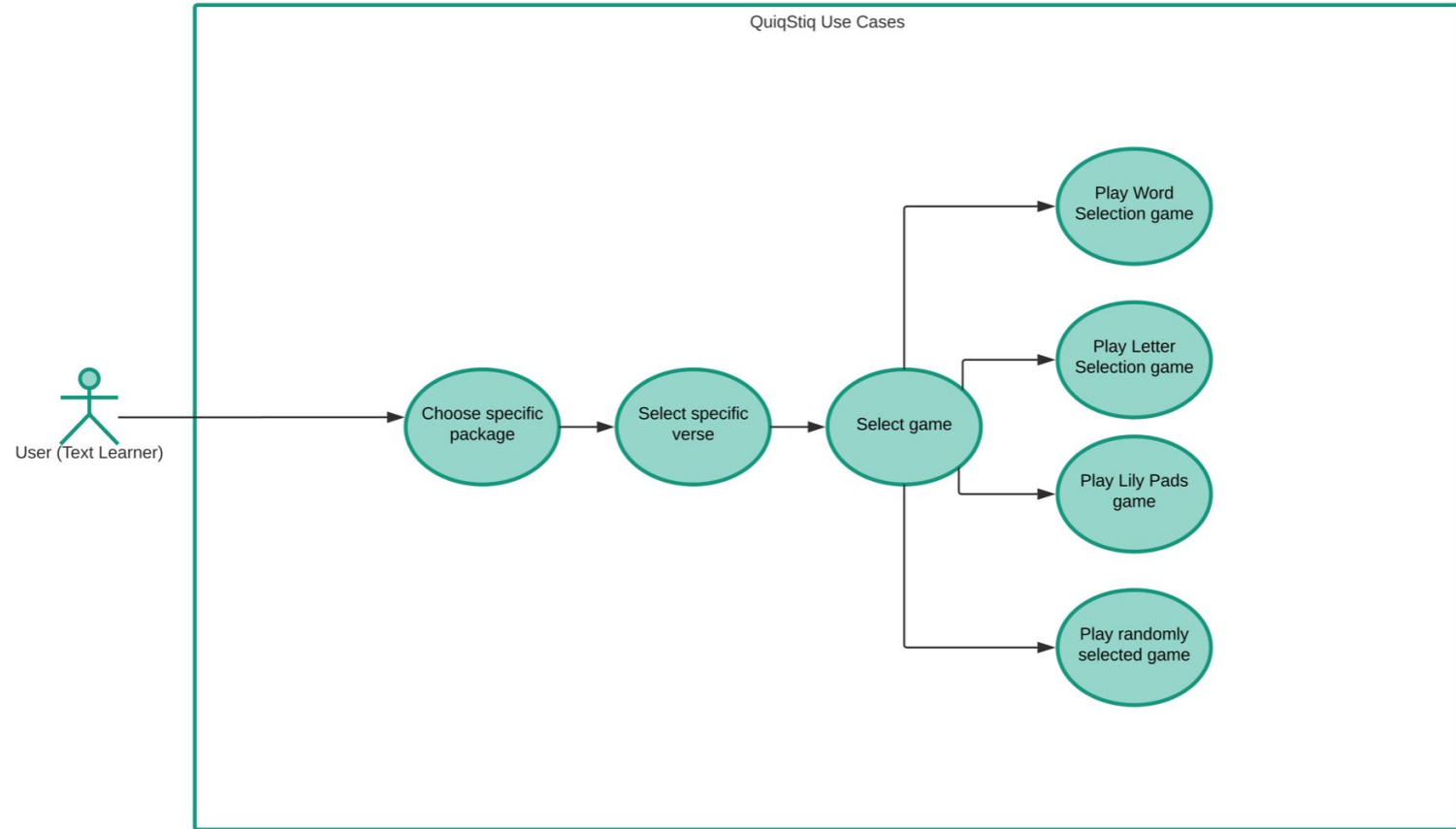
Custom and Group Packages

- The user will be able to connect with others and share custom made packages.
- 

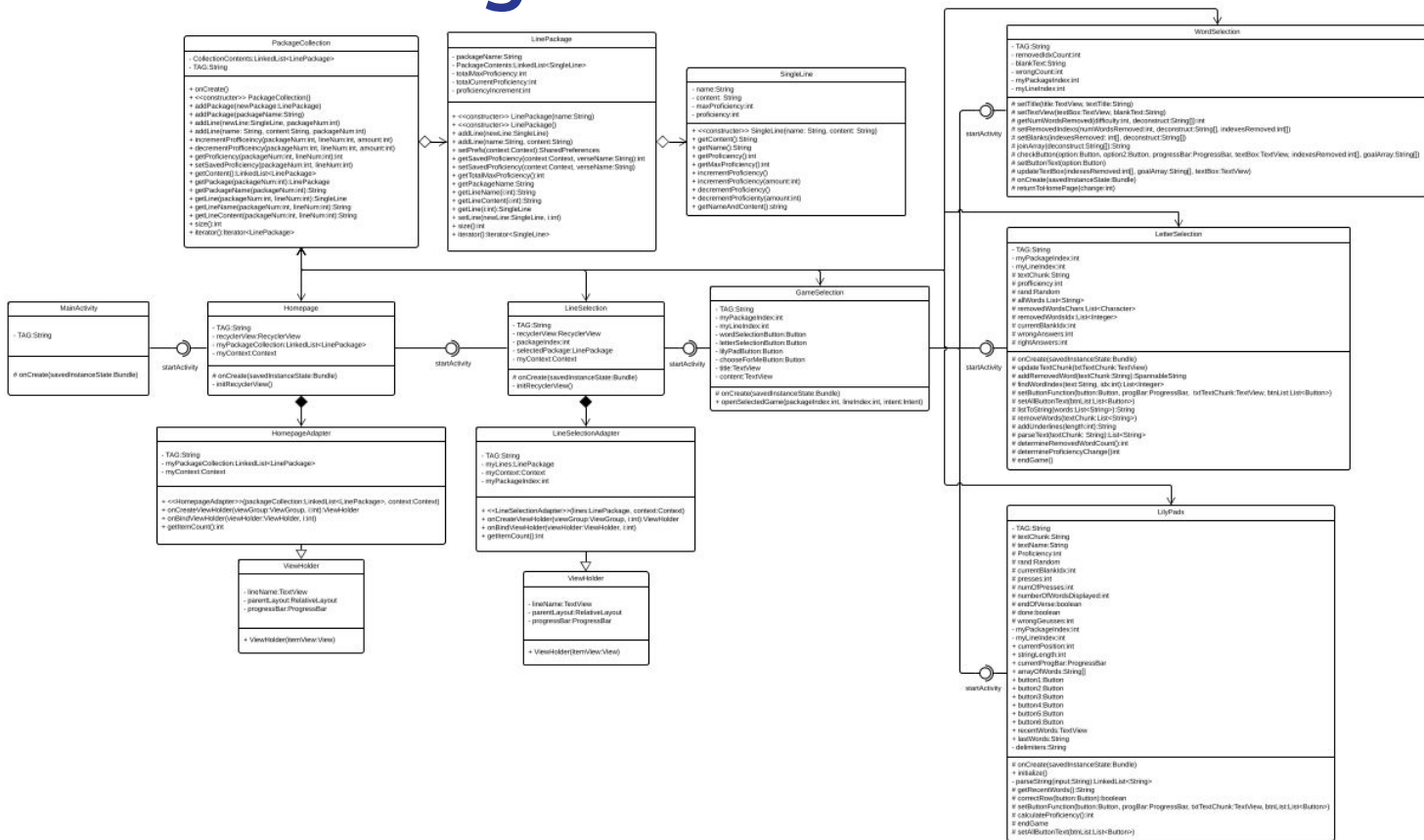
Diagrams

- UML Class
- Use Case

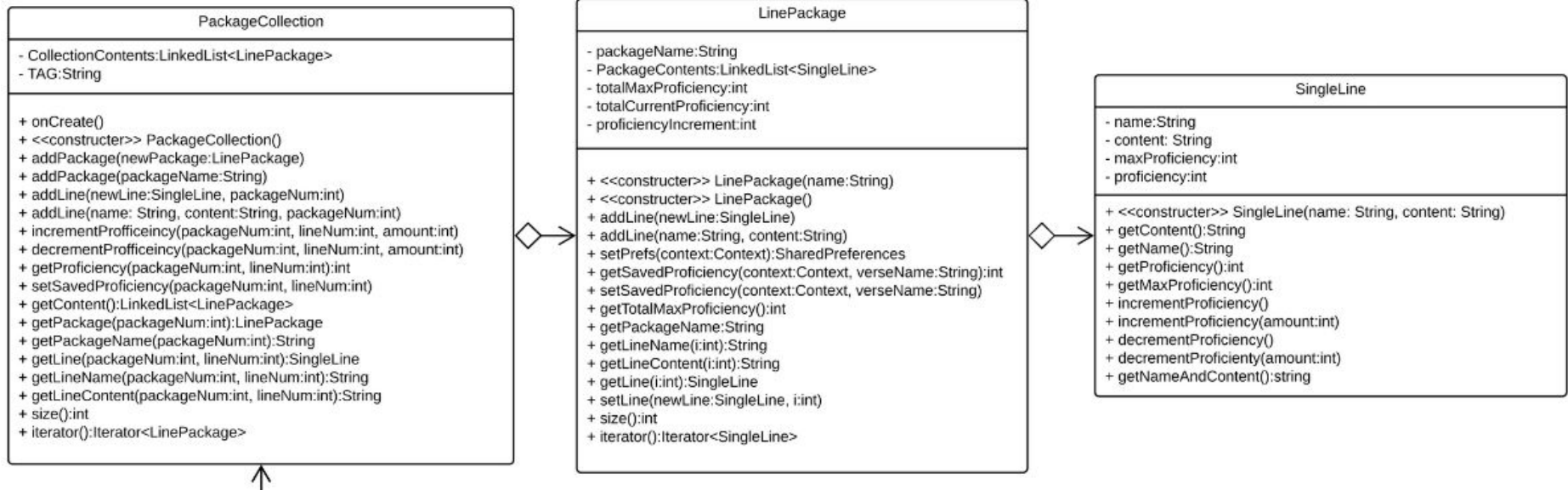
Use Case Diagram



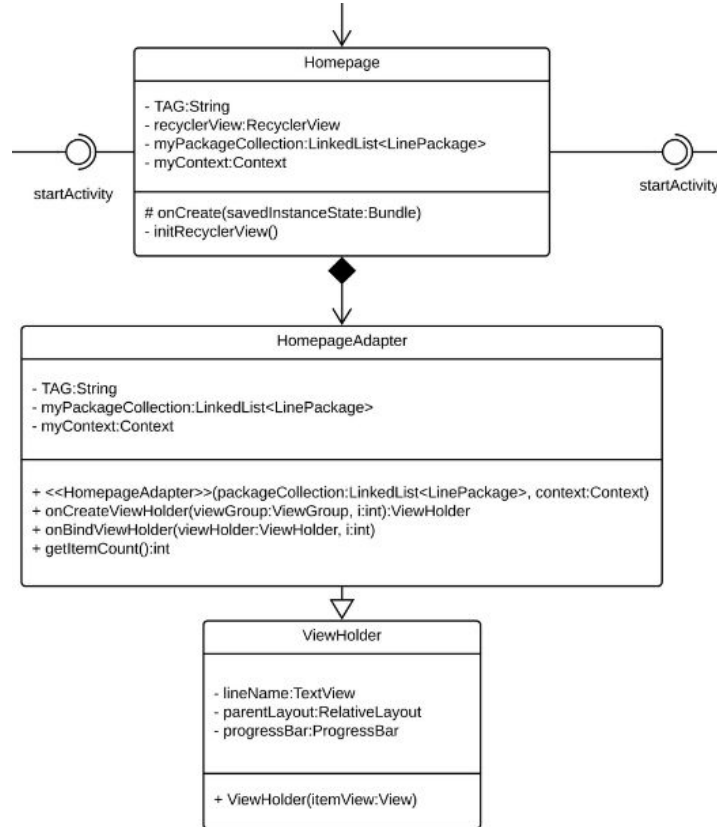
UML Class Diagram



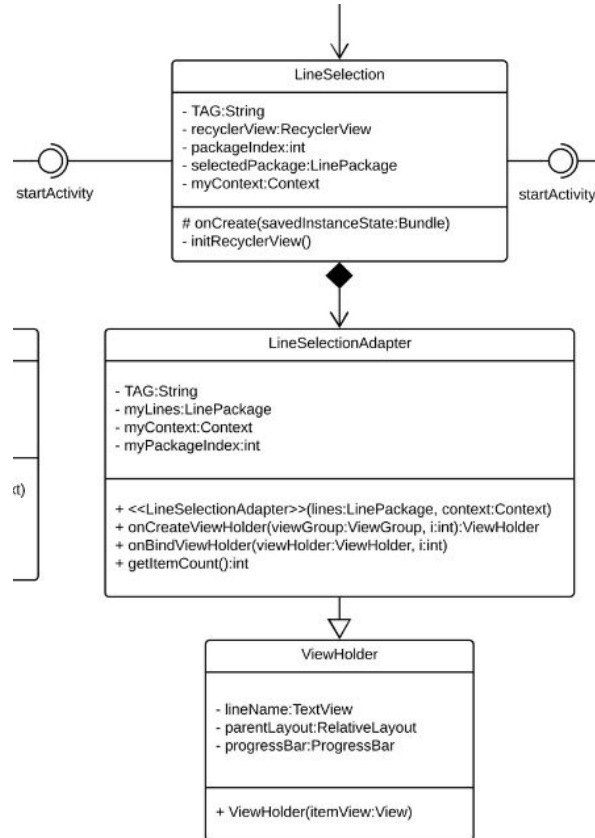
UML Class Diagram



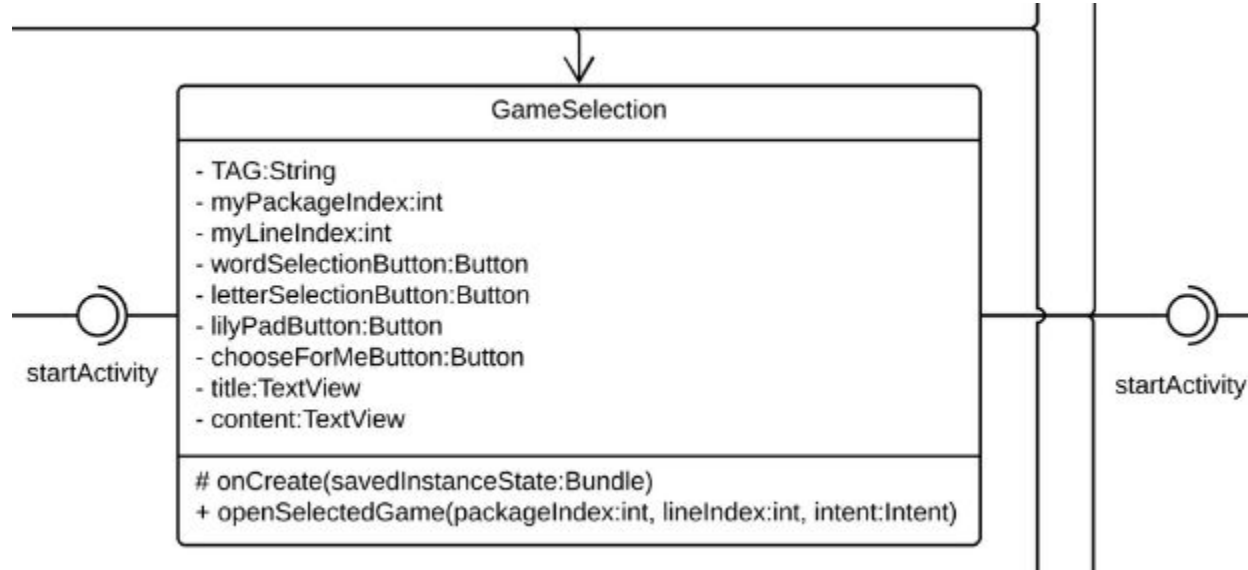
UML Class Diagram



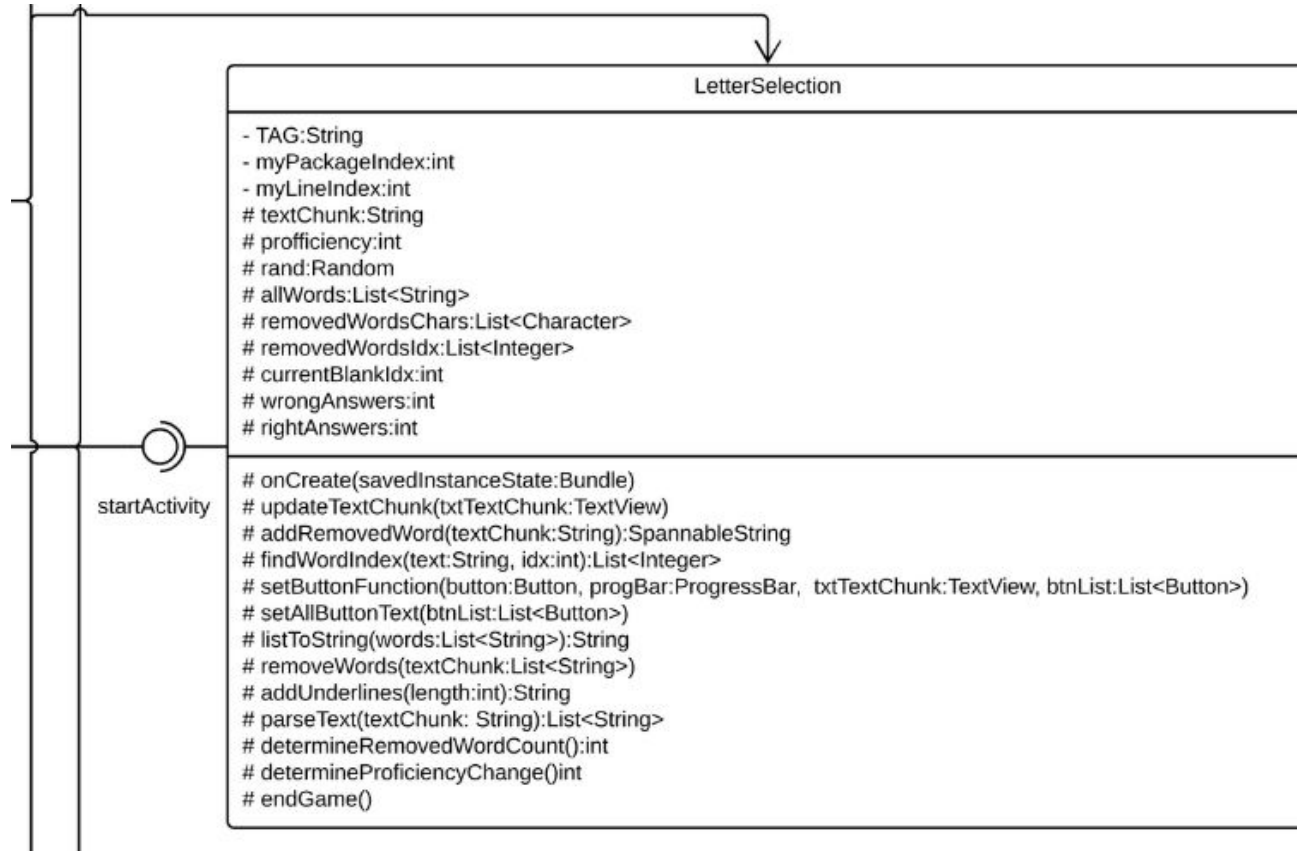
UML Class Diagram



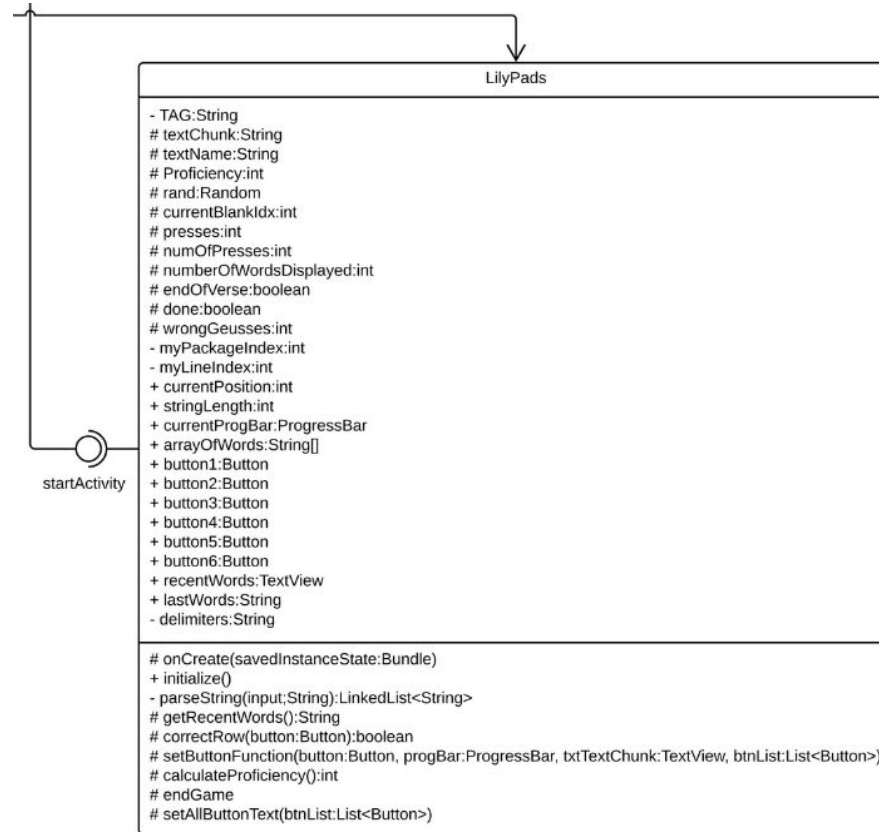
UML Class Diagram



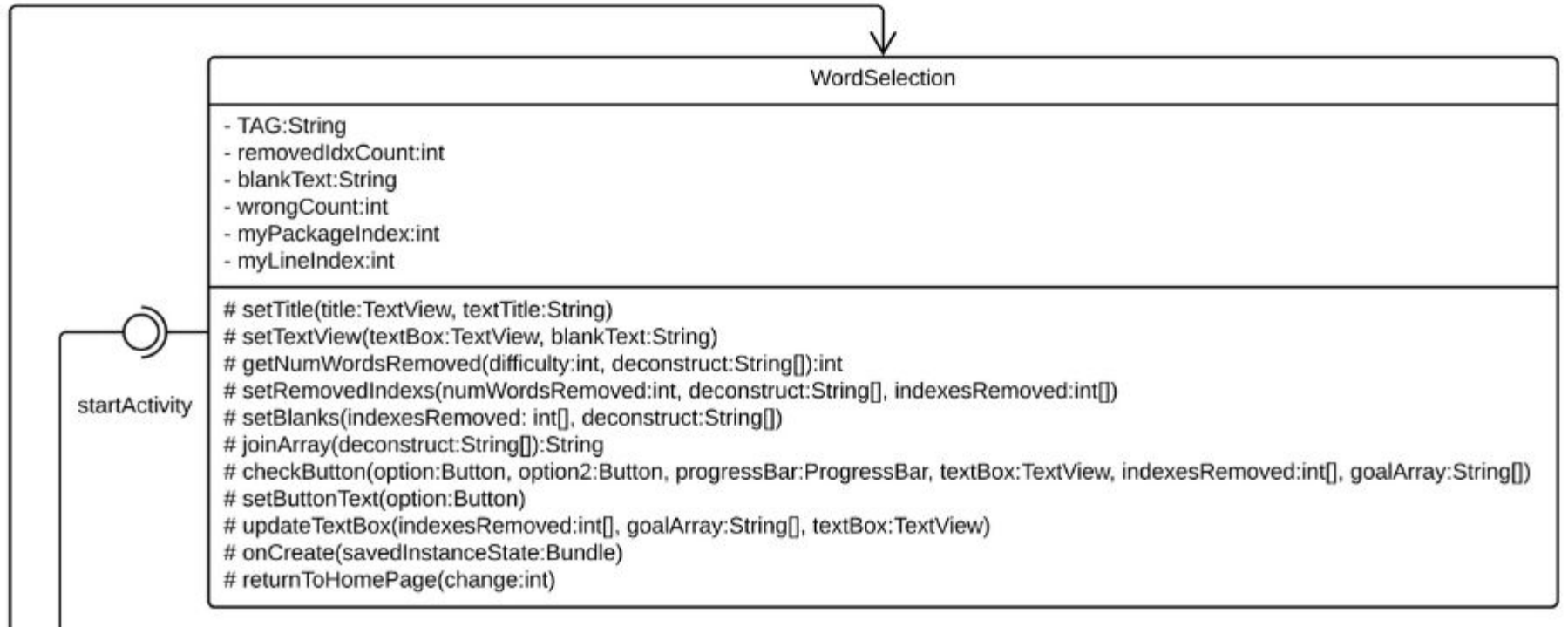
UML Class Diagram



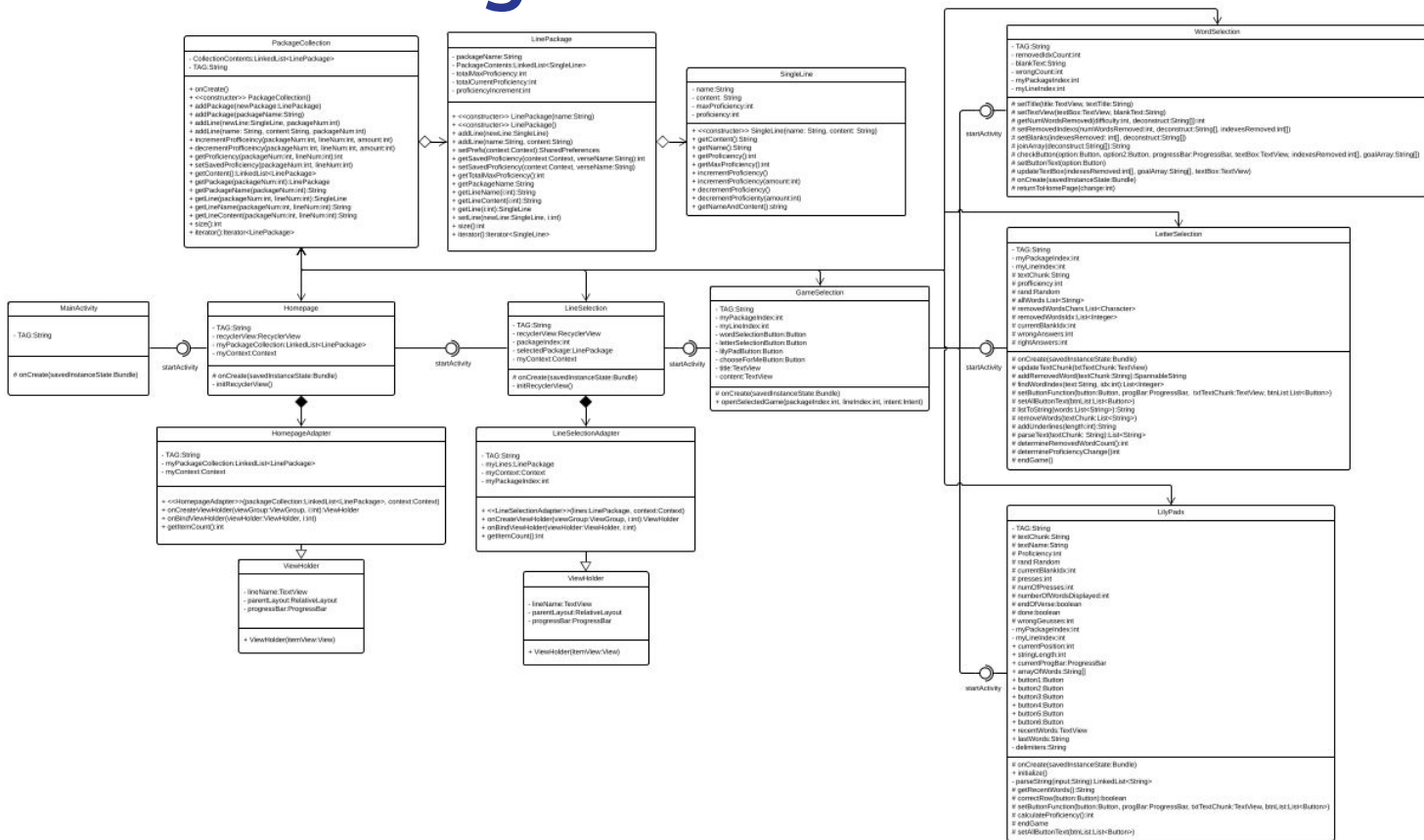
UML Class Diagram



UML Class Diagram



UML Class Diagram



Lessons Learned

Lessons Learned

- Android Studio
- Git process
- UML
- Iterative process
- Working in the large
- Working in a group



Lessons Learned

- Save data between runs
- Realistic expectations of time requirements
- Structure of an android app
- Serializable functionality in Java



Lessons Learned

- Not to use .docx
- Bible verses
- Engineering isn't just for 2nd North Euler
- Python doesn't have ++



Questions?



Arduino Studio