

quantumNote

Executive Summary

Purpose

quantumNote is a note taking app for created for android tablets geared towards students. The app allows students to quickly take notes and while also recording lectures so that they can review at a later date. quantumNote also allows students draw on their pages with functions allowing freehand and basic shapes. Diagrams and graphs are now easy to create with these function along with writing out annotations near text so you know what parts are important.

Design

- quantumNote follows a MVC architecture to separate the logistics and controllers
 - The model view is composed of java functions
 - The view is made up of xml sheets
 - The controller is made up of android activities
- quantumNote was designed in Googles Android Studio software using xml sheets to design the GUI and java for creating and implementing functions and tools seen and used within the app.
- Function made in the app have a very low complexity making bugs easy to fix and features easy to implement.
- Each part of quantumNote demonstrates high cohesion and the overall organization of modules to create a easy and maintainable app.
- Implementing free online libraries made functions easy to implement and gives us better access to any bugs that may occur.

Verification

- Junit testing was used to check major functions to ensure reliability
- Stress test using android studio Exerciser Monkey

Conclusion

quantumNote is note taking tool made to be quick and reliable. It supports features that make note taking easy and is in line to include more tools and features to make it even better. Designed for android tablets widely used by people today quantumNote can be utilized on any tablets supporting Android 4.2 and up. The app is easy to maintain and has been made to be modified and updated in time.