

Designing and Planning Our App



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What to Expect from This Module



High-level view of the app we'll build

Long-term plans for the app

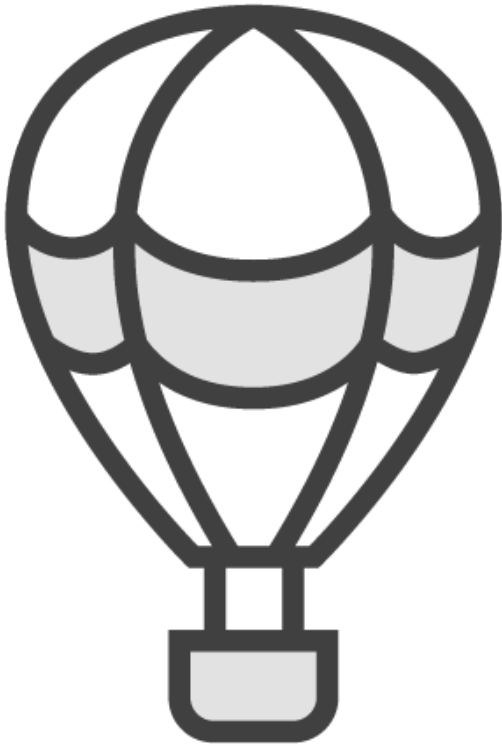
Rough design of this course's app work

Polished design of this course's app work

Create application project



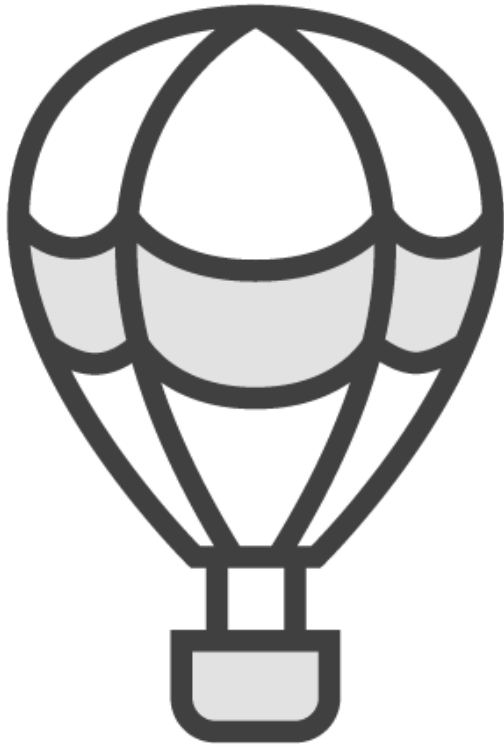
Our App – The High-level View



We'll be building a note keeper app

- Display list of notes
- Edit existing notes
- Create new notes

Our App – The High-level View

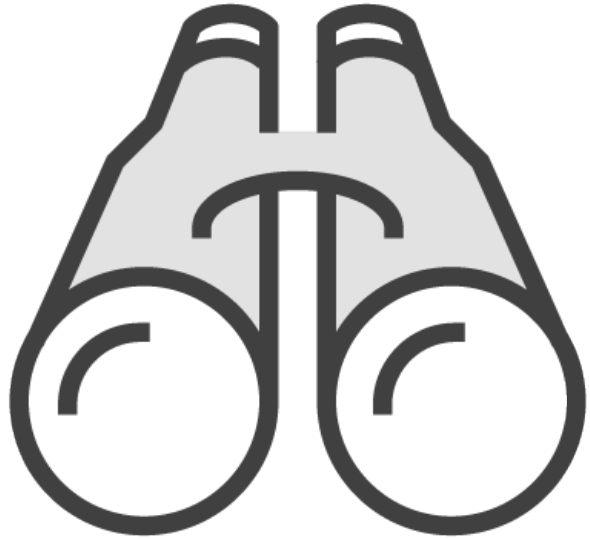


Our app's definition of a “note”

- Course
 - Name of a course
 - Must correspond to an actual course
- Note title
 - User entered value to identify note
- Note text
 - User entered value that serves as the content of the note



Our App – Some Long-term Plans



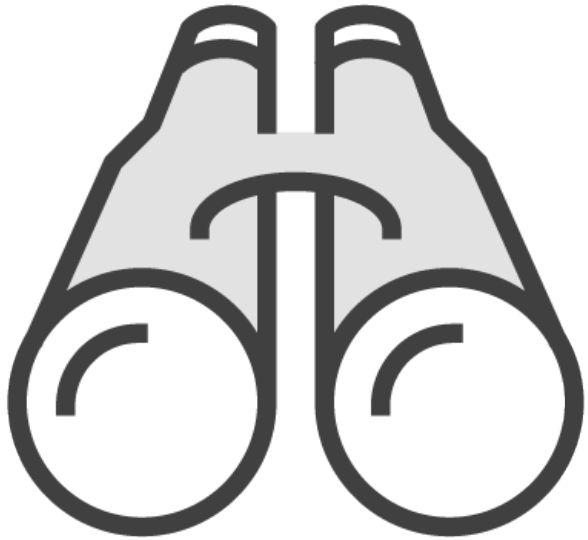
Automated testing of logic and UI/UX

Card-style lists

Slide-out drawer navigation



Our App – Some Long-term Plans



Track completed modules

Branding-based UI theme

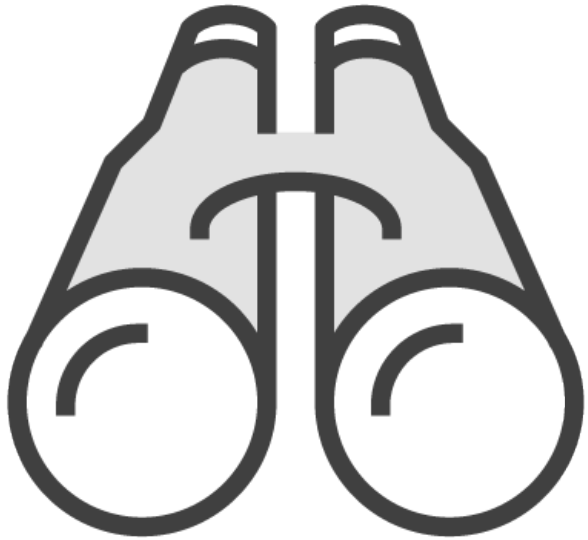
Device and language adaptability

Support for users with accessibility needs

User customizable behaviors



Our App – Some Long-term Plans



Use SQLite to store and access our data

Make note data available to other apps

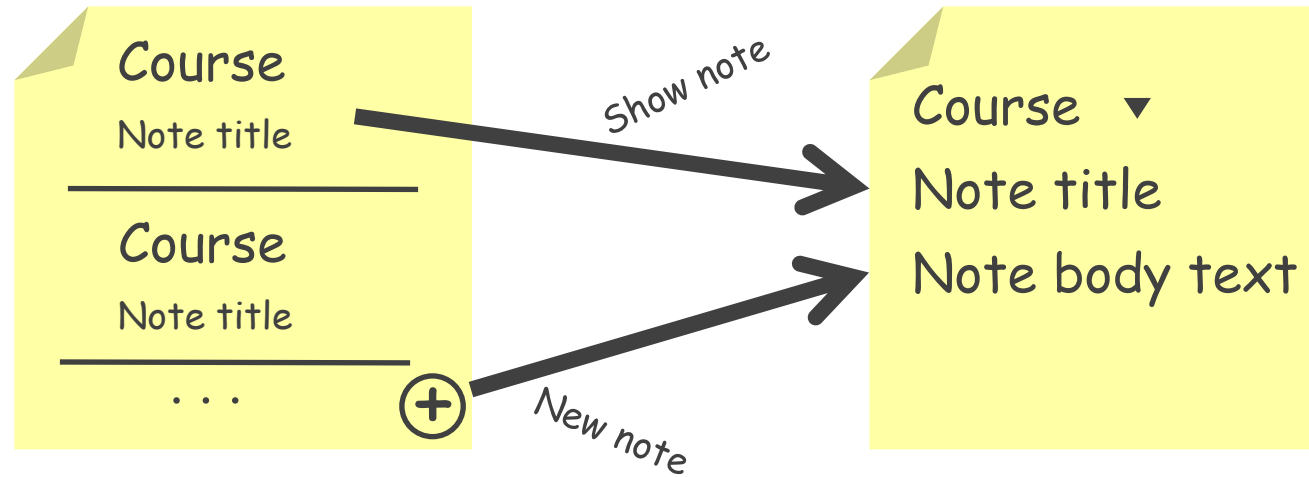
Display reminder notifications

Read/save data in the background

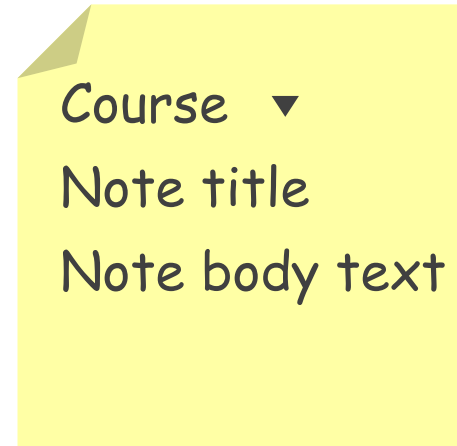
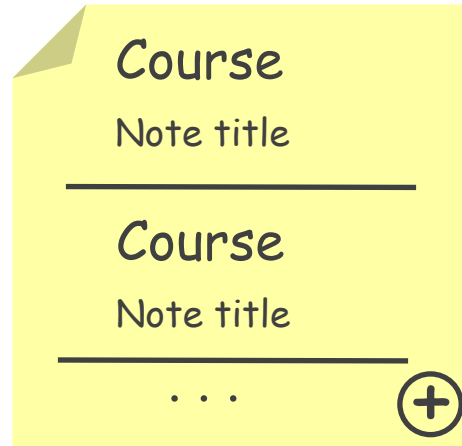
Display note information on home screen



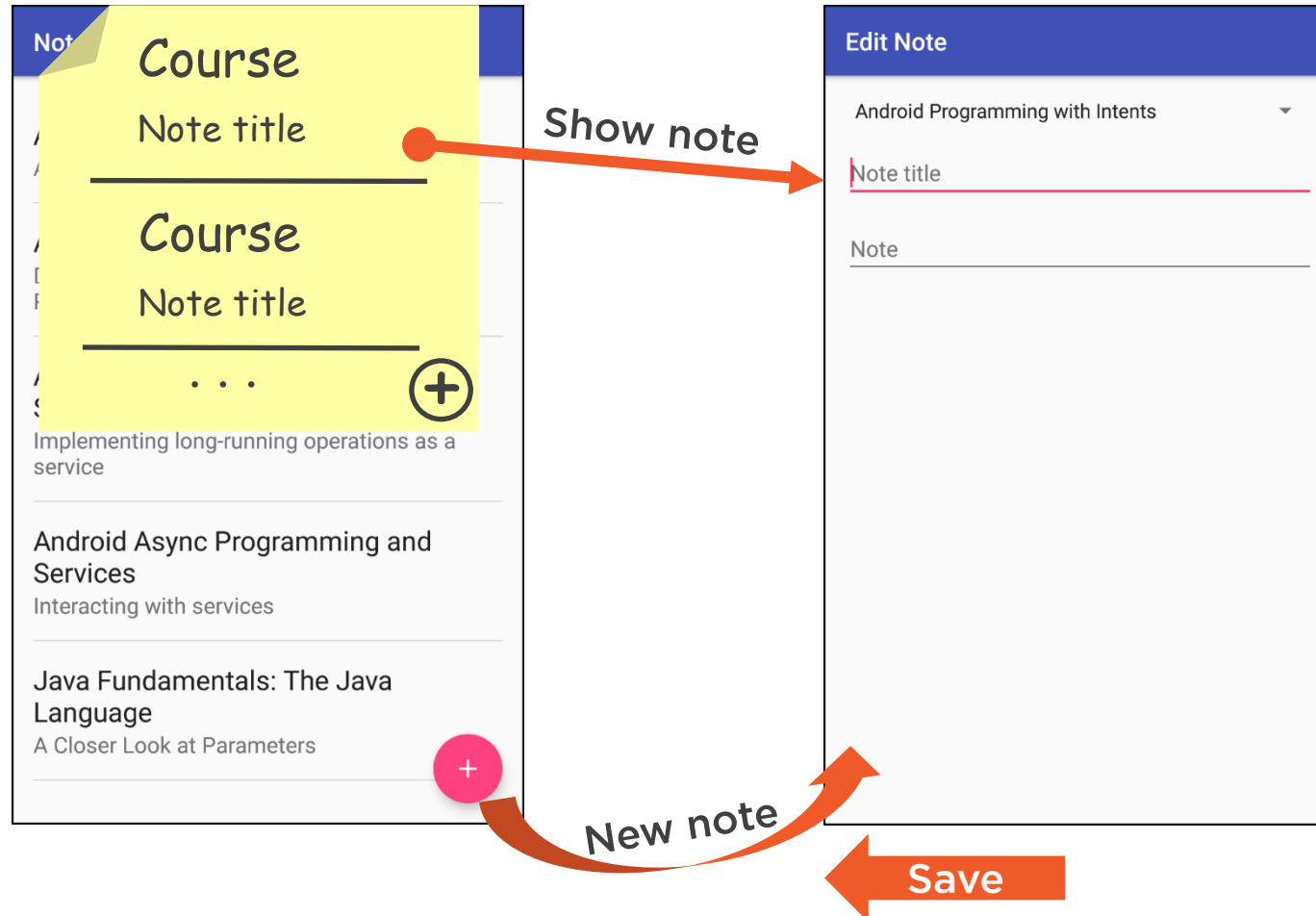
Rough Design of Our App Starting Point



Polished Design of Our App Starting Point



Polished Design Our App Starting Point



Summary



Our note keeper app will keep evolving

- Starts simply
- Will become increasingly rich

Android Studio

- Generates app starting point
- Supports a variety of Activities
- Must select minimum supported SDK



Summary



Version targeting challenge

- Older versions support more users
- Newer versions support more features

Android version distribution

- Good info in Android Studio
- Latest info in Android Dashboards

Android has two versioning identities

- Platform uses “dot” version (4.0, 4.1, ...)
- SDK uses integer version (15, 16, ...)

