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SunnyNotes

Description

In today's rapidly evolving world a person wants to store a data in a reliable place and be able to access to it at any time of a day. A person also wants to sync the data across all his devices with help of a cloud.

Intended User

Productivity app customers.

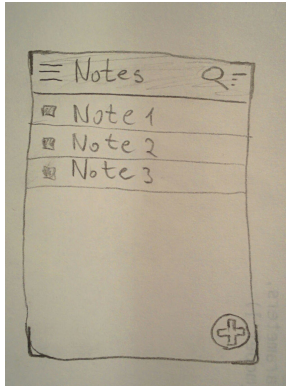
Features

The main features are:

- Create, edit and delete a note
- Synchronize with Dropbox cloud

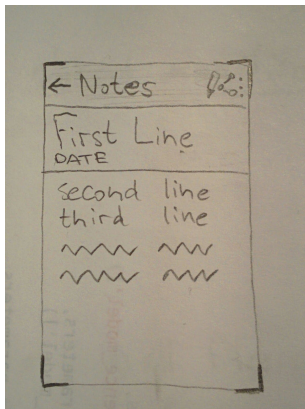
User Interface Mocks

Screen 1



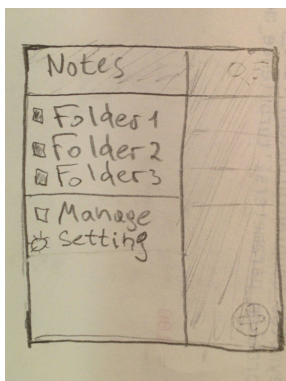
Notes activity. It shows all notes. A user can navigate to the detail screen by clicking on a list item.

Screen 2



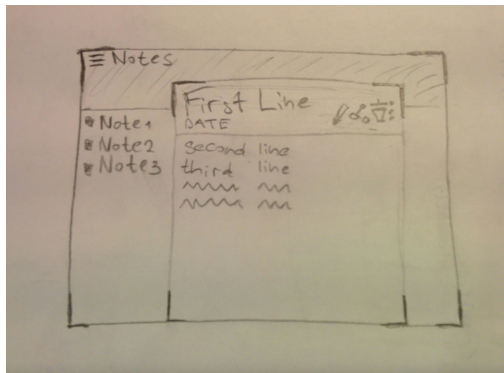
Note detail activity. It shows a note content and specific information like date, etc. There is also an ability to edit the note.

Screen 3



Navigation drawer menu. It allows to move around activities in the app.

Screen 4



Tablet activity. It supports a tablet.

Key Considerations

How will your app handle data persistence?

I will build a content provider to hold a note name and store additional metadata. I will store a text of a note in a file on the internal storage.

Describe any corner cases in the UX.

User navigates through the app with help of the navigation drawer. User will be able switch folder or go to the settings menu.

Describe any libraries you'll be using and share your reasoning for including them.

- Schematic - generate Content Provider
- Dropbox API v2 Java - work with dropbox API
- Android Design - material design (layout, toolbar, etc.)
- Google Play Services:
 - Google AdMob - ads
 - Google Analytics - analytics

Next Steps: Required Tasks

Task 1: Project Setup

- Update Android Studio to latest version
- Update SDK
- Configure libraries
- Setup Gradle dependencies

Task 2: Implement UI for Each Activity and Fragment

- Setup basic UI structure, Navigation Drawer
- Build top part of each activity/fragment
- Build UI elements

Task 3: Dropbox API

- Setup initial Dropbox API communications
- Create service for work with dropbox api

Task 4: Implement Data Models and Content Provider

- Create data model classes
- SQLite database setup
- Loader/adapters

Task 5: Google Play Services

- Setup initial Google Play communications
- Implement Ads
- Implement Analytics

Task 6: Others

- Widget
- Accessibility
- RTL

Task 7: Testing

- Phone vs. Tablet
- Performance