



# NoteSlam

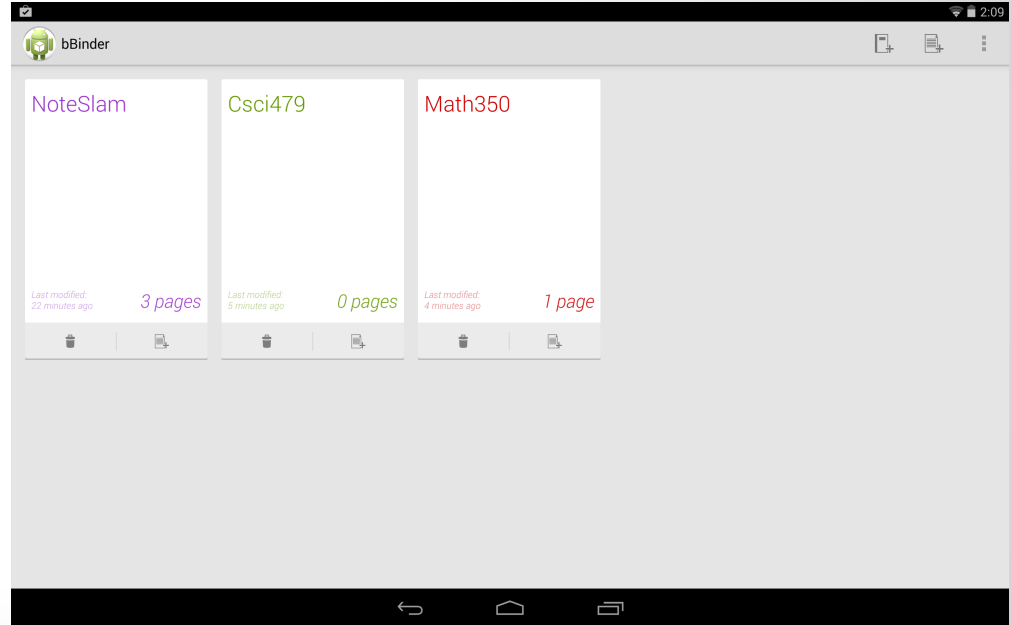
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# Basic Building Blocks

- 3 Activities
  - Main
  - Note
  - NotebookNotes
- NoteView
  - Bitmaps, Canvas, LayerDrawable
- Dialog Boxes

# MainActivity

- Notebooks
  - Pages
  - Title
  - Last modified
  - Delete
  - Create new page
- Create new Notebook or new Note



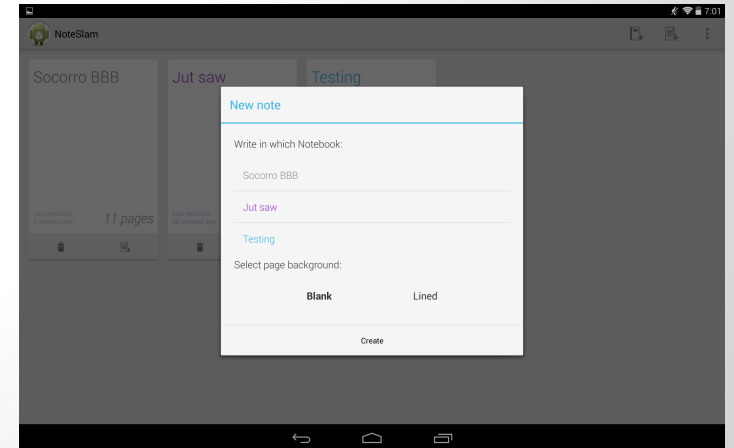
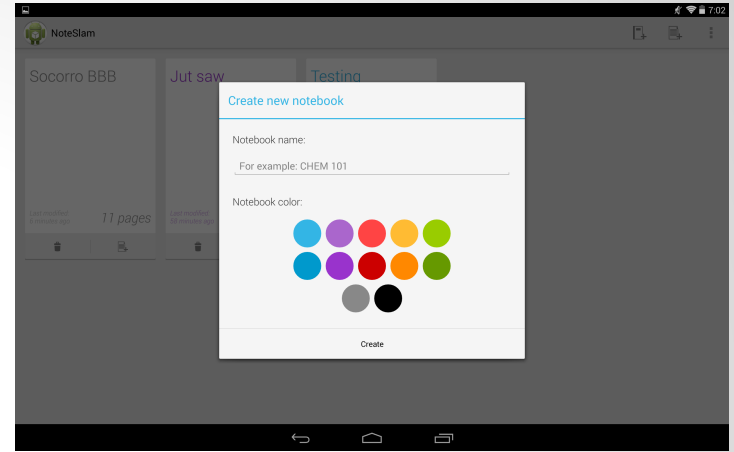
# Dialog Boxes

## NewNotebookDialog

- Set Title
- Set Color

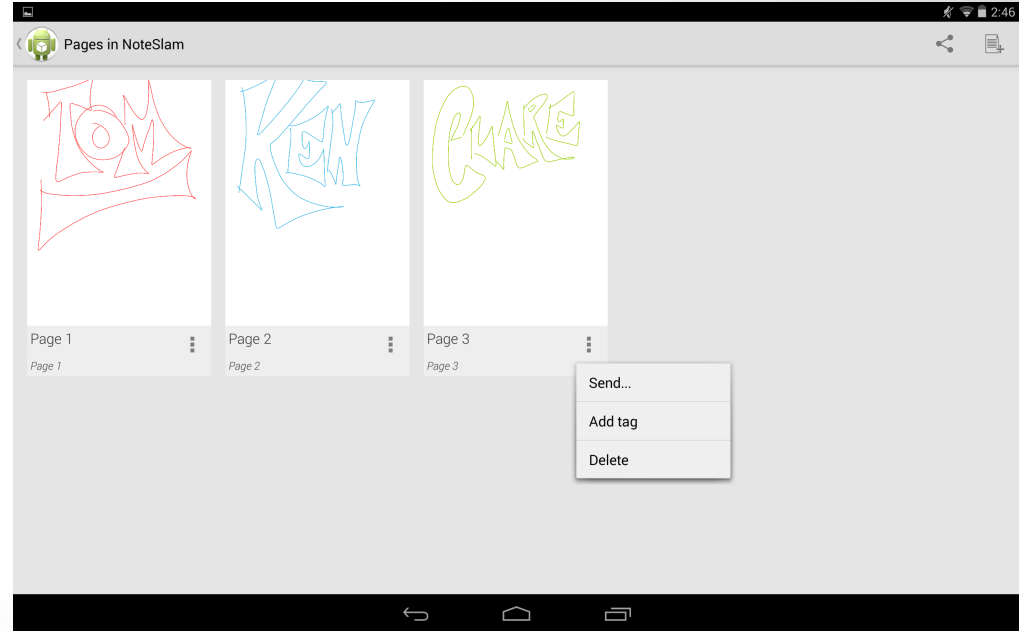
## NewNoteDialog

- Pick Notebook to store Note
- Choose background (blank or lined)



# NotebookNotesActivity

- List all notes in Notebook
  - Thumbnail
  - Title
- Ability to delete, send, or edit note from this Activity



# Database Backend

Two tables: Notebooks and Notes

Notebooks

<u>id</u>	title	date_created	date_modified	color	num_pages

Notes

<u>notebook</u>	<u>title</u>	date_created	date_modified	filepath	page_number

# Database Backend

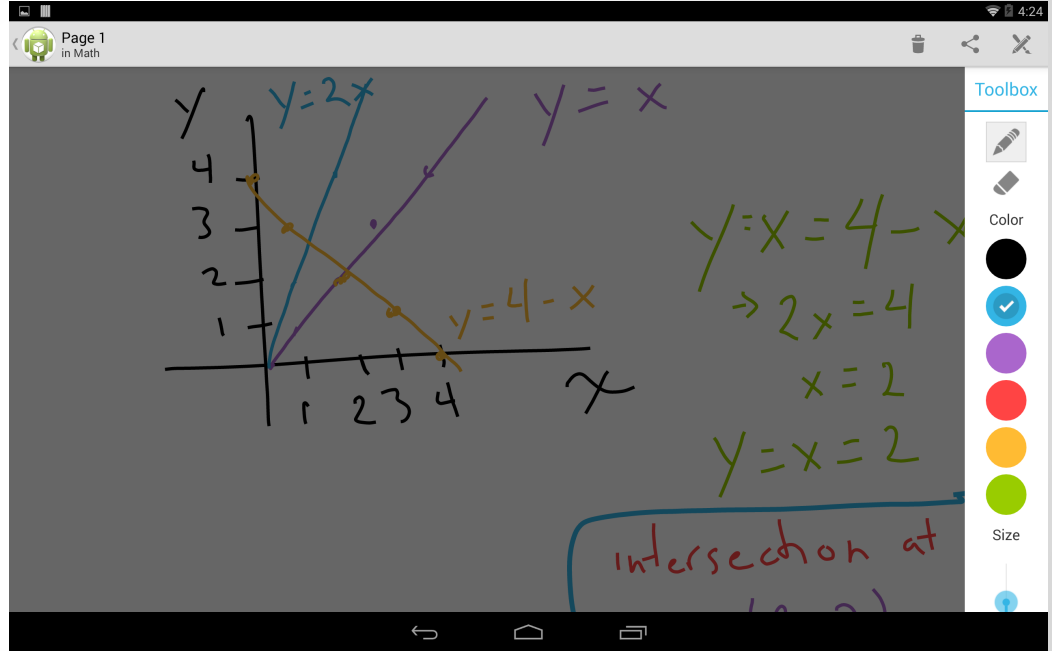
## Advantages

- Abstraction
  - CRUD Operations
- Less expensive than standard I/O
- SQLite is simple, and built into Android

## Challenges

- Keeping track of the files on the SD card
- Trying to be as efficient as possible
- Little details
  - Page numbering

- **Toolbox**
  - Pen/Erase selection
  - Color of Pen
  - Size of Pen
  - Animation on changes
- **Email PDF**
- **Two finger scroll**





# NoteView

## Basic Tools:

- LayerDrawable
  - PNG image
  - bitmap/canvas
    - draw path of finger
    - set width and color
- SlideMenu/Toolbar
  - Color swatches
  - Slide pen width

# Goals Accomplished

- Working note-taking application
- Implemented some extra features
  - PDF: email/google drive
  - Color and width
  - Lined background vs. blank background

# Lessons Learned

- Git is our friend: branching makes work faster
- Everything takes longer than expected

## Teamwork

# WE'RE AWESOME!

- Git helped us split up the project more evenly
- Team building: ACM Programming Competition  
MidAtlantic: 58th out of about 200

# Experience/Conclusion

- Android development came with so many new tools to learn
  - It's way too much to learn in 2 weeks!
- Coordinating times is a challenge
  - It's important to find some common time each week