



Application Development for Mobile and Ubiquitous Computing

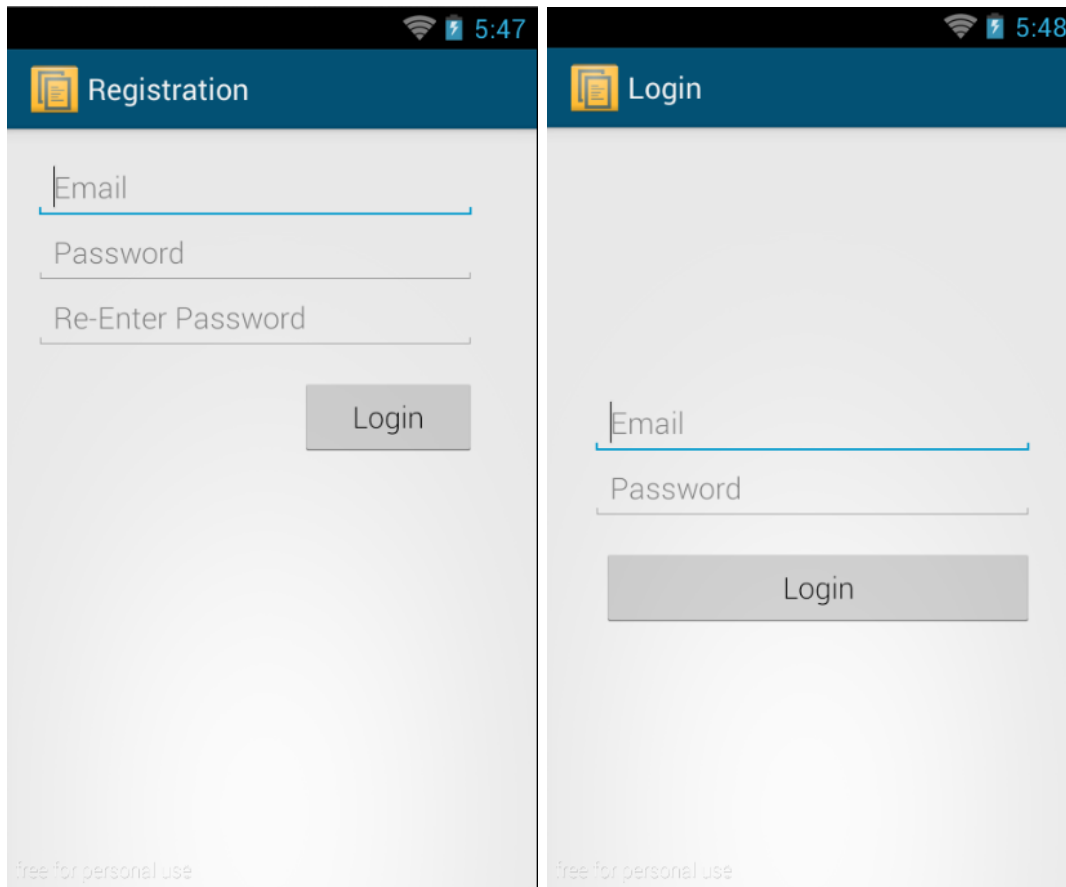
Seminar Task

Final Presentation

GroupNo. 7

Team: Arjun Naik, Junyu Pu

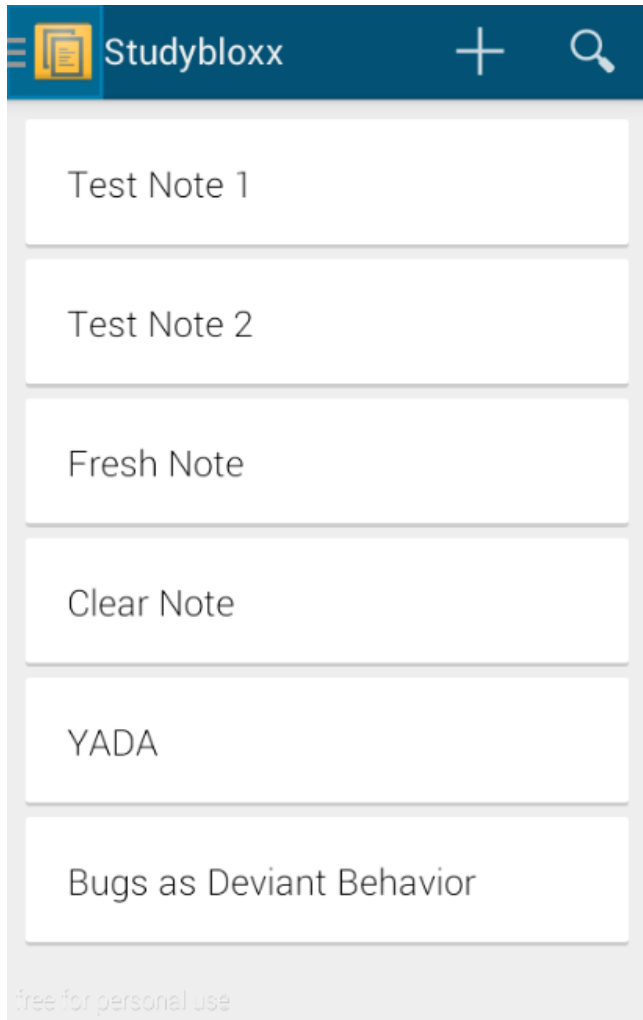
- Simple note taking application.
- Uses content providers which makes data available to other applications.
- Possible integration with Google Search/Google Now.
- Rich data for notes possible.
- Uses calendar information to categorize notes.
- Obeys Android design guidelines.



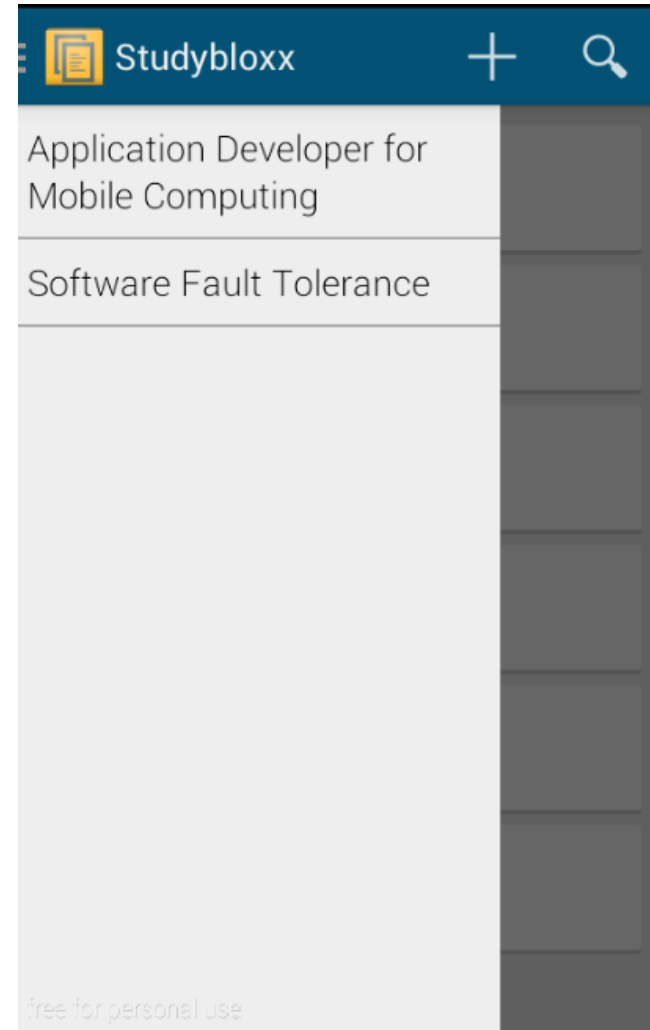
The image displays two mobile application screens side-by-side. The left screen is titled 'Registration' and features three input fields: 'Email', 'Password', and 'Re-Enter Password'. A 'Login' button is positioned below the 'Re-Enter Password' field. The right screen is titled 'Login' and features two input fields: 'Email' and 'Password'. A 'Login' button is positioned below the 'Password' field. Both screens have a status bar at the top showing Wi-Fi, battery, and time (5:47 for Registration, 5:48 for Login). A footer at the bottom of each screen reads 'free for personal use'.

1 2

1. Standard Registration Screen. Every user get own account.
2. Login screen. Validation on both device and server.

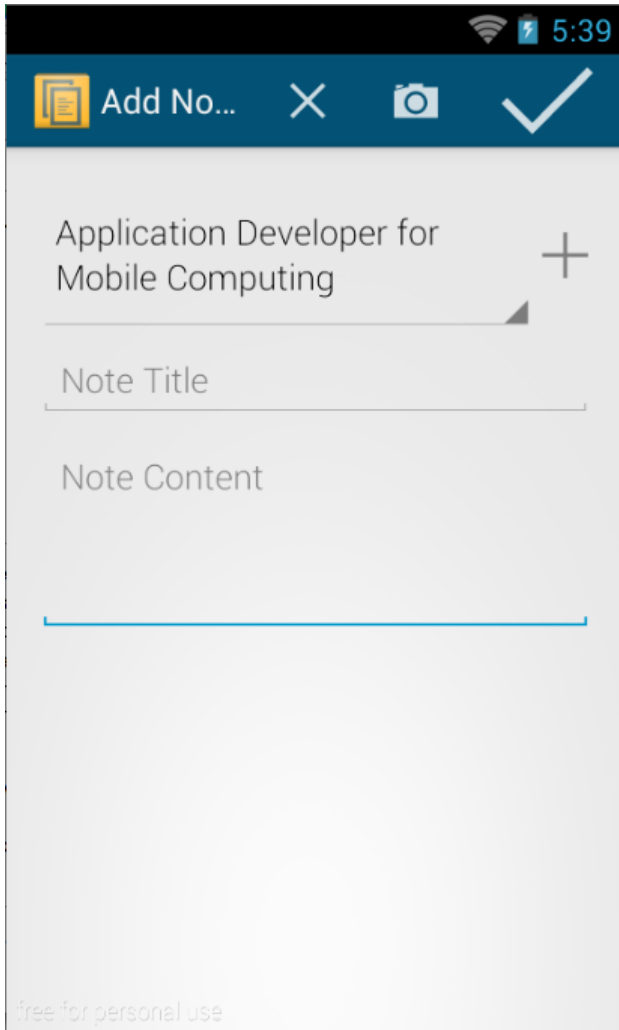


List of All notes.

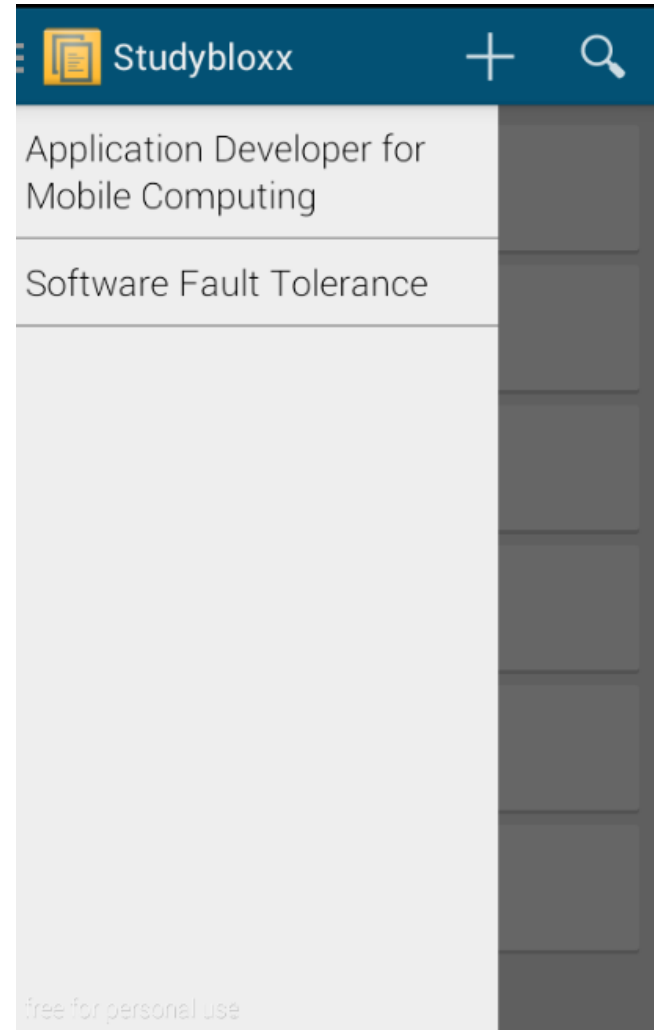


View notes by course.

Android Design Guidelines

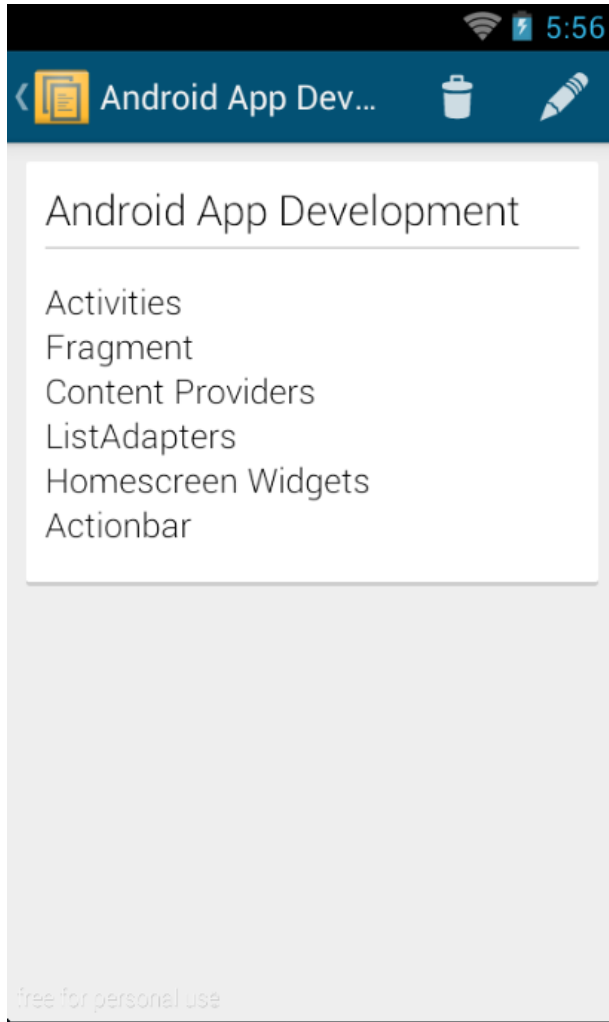


Actionbar Icons

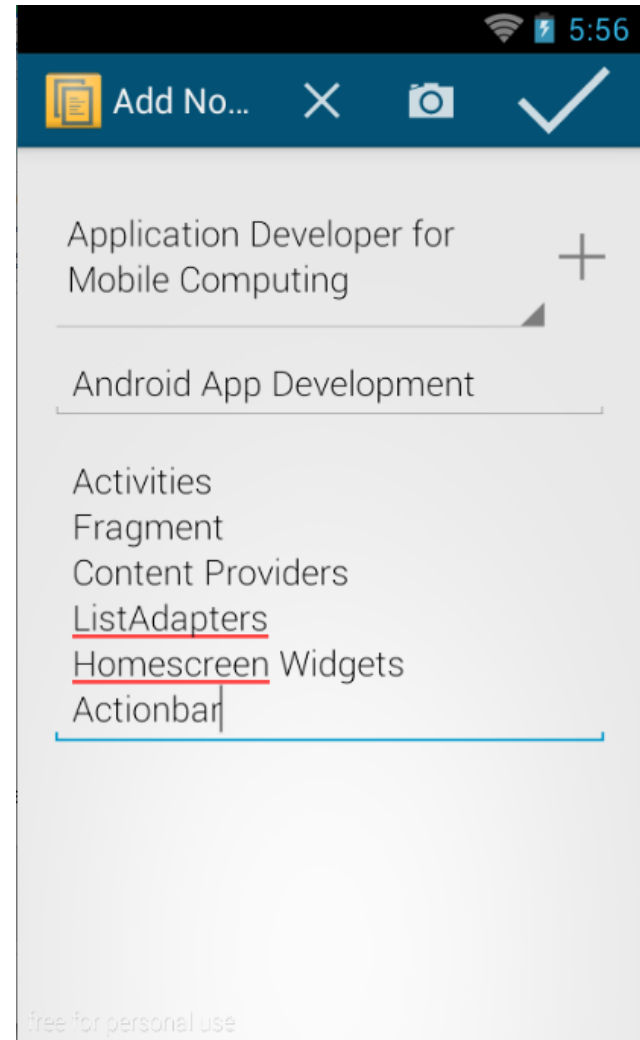


Navigation Drawers

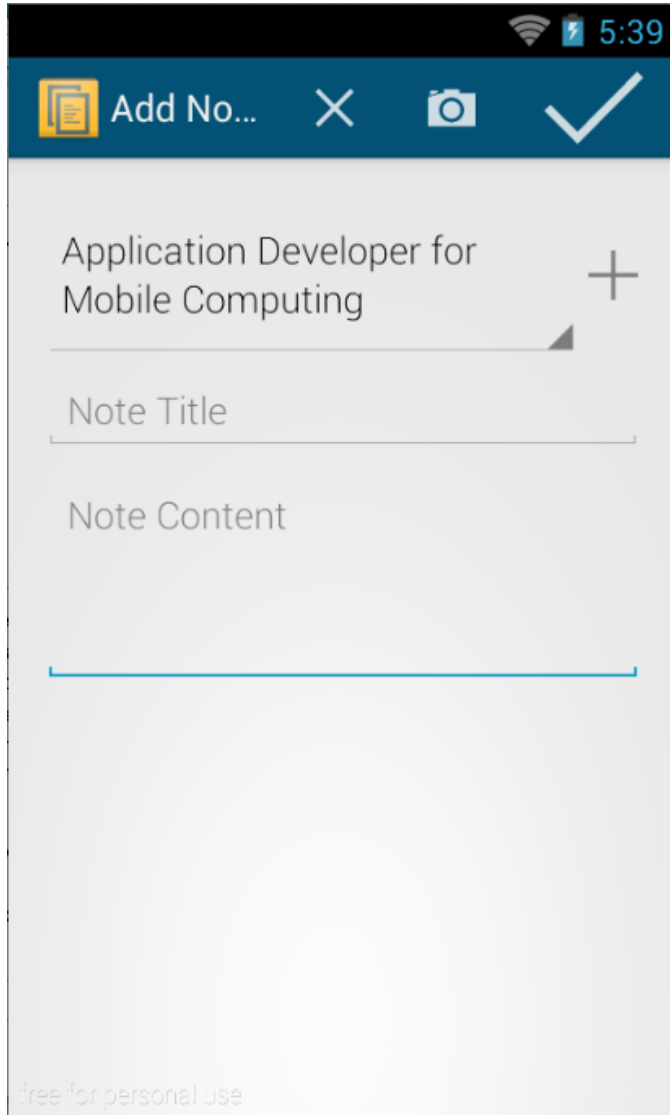
Viewing and Editing Notes



View note.



Edit note.



- DialogFragment to display a prompt to enter new course name.
- Discard and save actions on ActionBar.
- Spinner used to select the course.

- 2-Way sync not completely implemented.
- Partial sync is not perfect.
- Without internet consistency is a problem. (Duplication)

- Hybrid content providers, accessing data from both local and remote sources.
- Cursor management with CursorLoaders.
- Graceful degradation of services without internet.

- Content Providers are hard to understand, but invaluable when used.
- Consistent UI across devices.
- Tablet support is not easy.

Thank you
Q & A