

CS 522—Mobile Systems and Applications
Assignment Four—Content Providers—Rubric

Part 1: Book Store

25: .providers.BookProvider class

- 20: query, insert, delete implemented
- 5: insert and delete implement `notifyChange()`, query sets notify listener in cursor

75: BookStoreContentProvider:

- 20: Main activity uses loader manager for queries, callbacks are defined as methods in the main activity
- 5: Use of custom cursor adapter to display first author only in main activity
- **50: Functionality (with video demos)**
 - 10: Main activity displays books
 - 10: Main activity supports deletion of multiple books (via context action bar)
 - 5: activity to add book, inserts the book into the database
 - 5: Sub-activity for viewing details of a book
 - 20: exiting app and restarting shows shopping cart still available

Total: 100

Part 2: Chat App

20: Design

20: content provider (providers package), as before two tables (Messages and Peers)

30: Functionality (video demonstration)

- 5: Client sent message is received at server
- 5: Server displays a list of messages received so far
- 20: Exiting app and restarting shows messages still available

Total: 50