

College Swap

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Updated Problem Definition

- Students trade textbooks and tickets
- Facebook available but suboptimal
- Solution?
 - Design problem-specific app
 - User-friendly

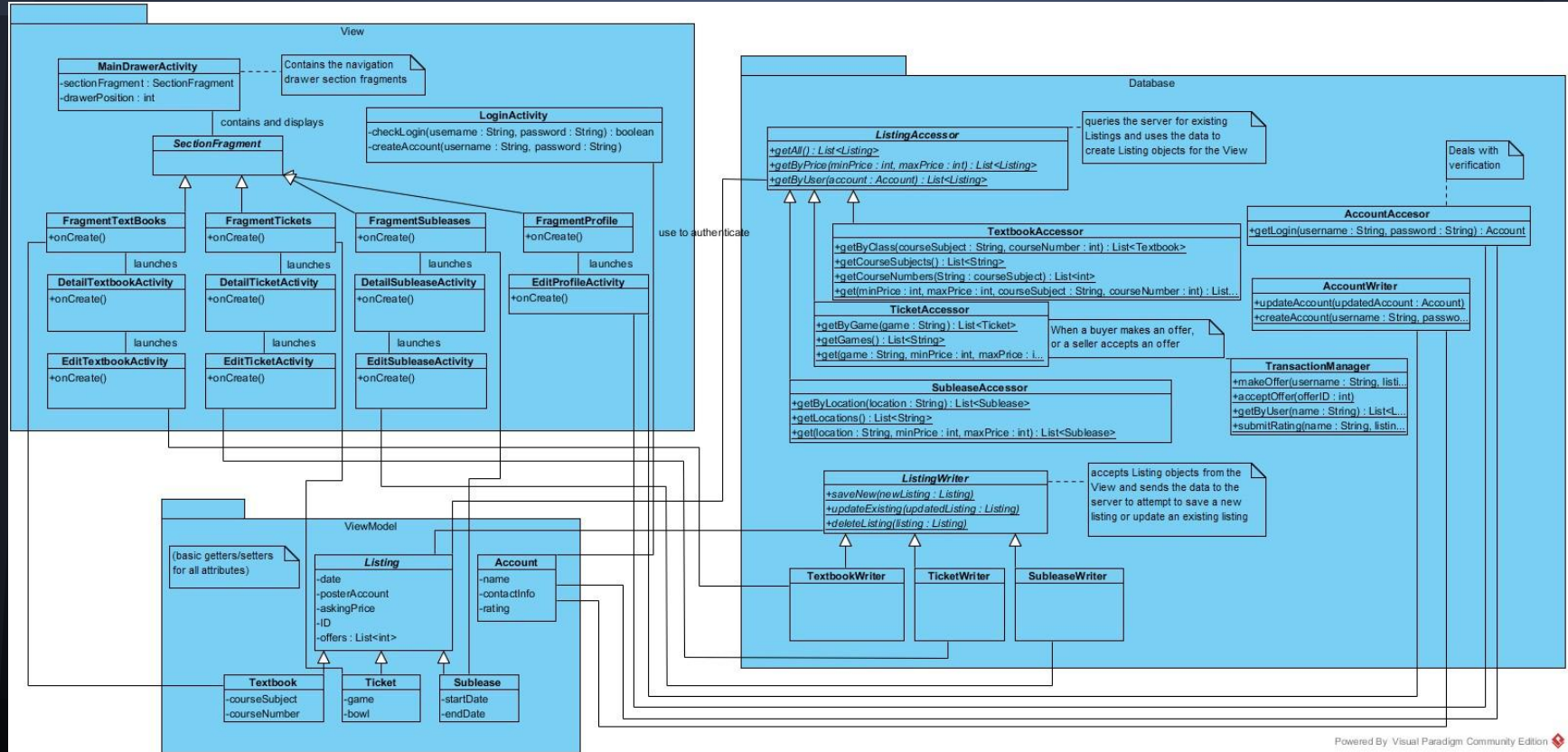
Updated Scope of System

- Cannot view full profile of other users
- No text search
 - Choose category
 - Filter by fields relevant to category

Note about Notation

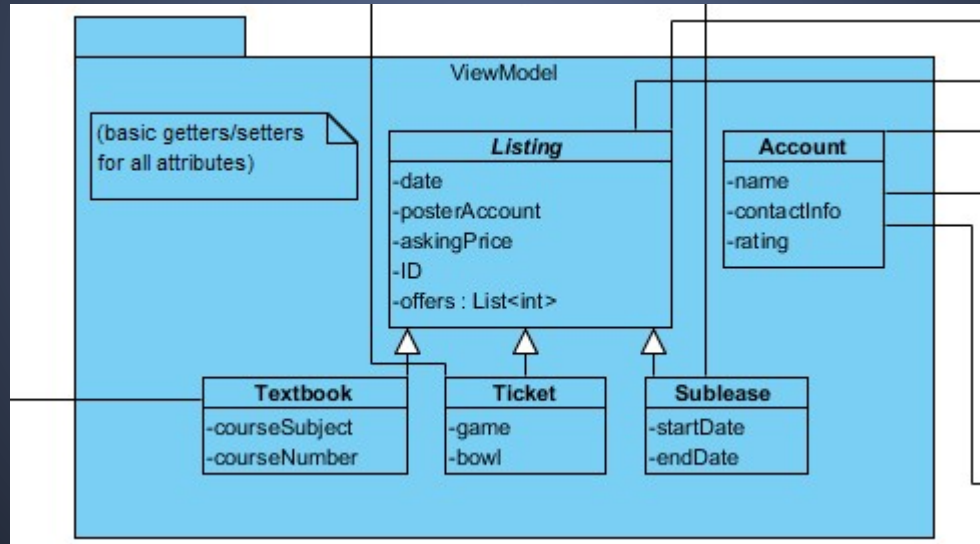
- Activities not allowed to create activities
- Create Intent, pass it ViewModel
- We denote this process as ‘new X’
- Represent
 - `"new Intent(); intent.putExtra(e); startActivity()"`
 - `as "new activity(e);"`

Detailed Class Diagram



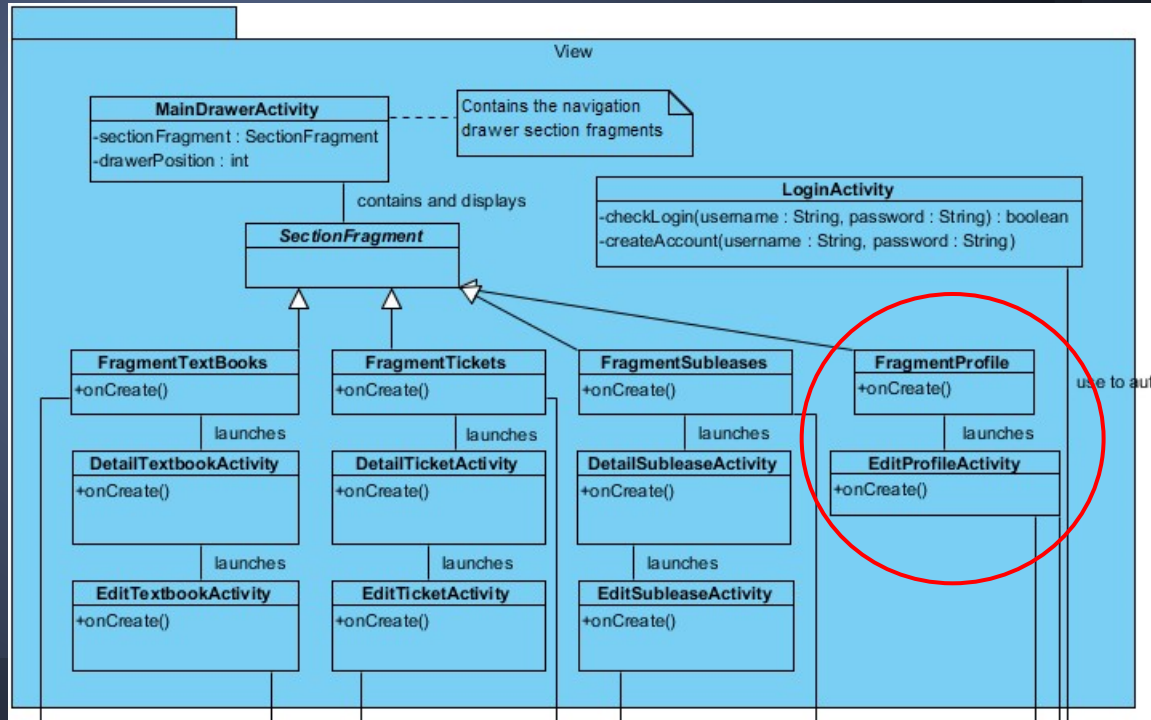
Detailed Class Diagram - ViewModel

- Only added relationship lines



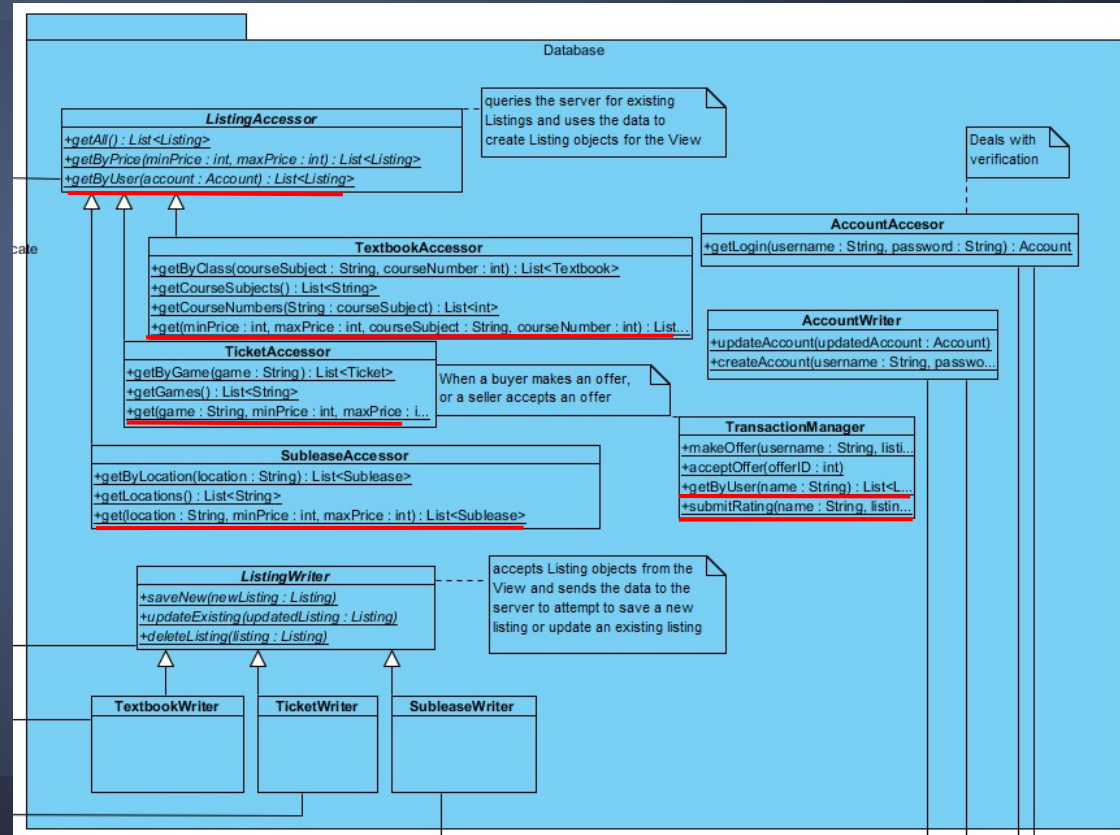
Detailed Class Diagram - View

- Section Fragment
 - transactions
- Activity to edit profile



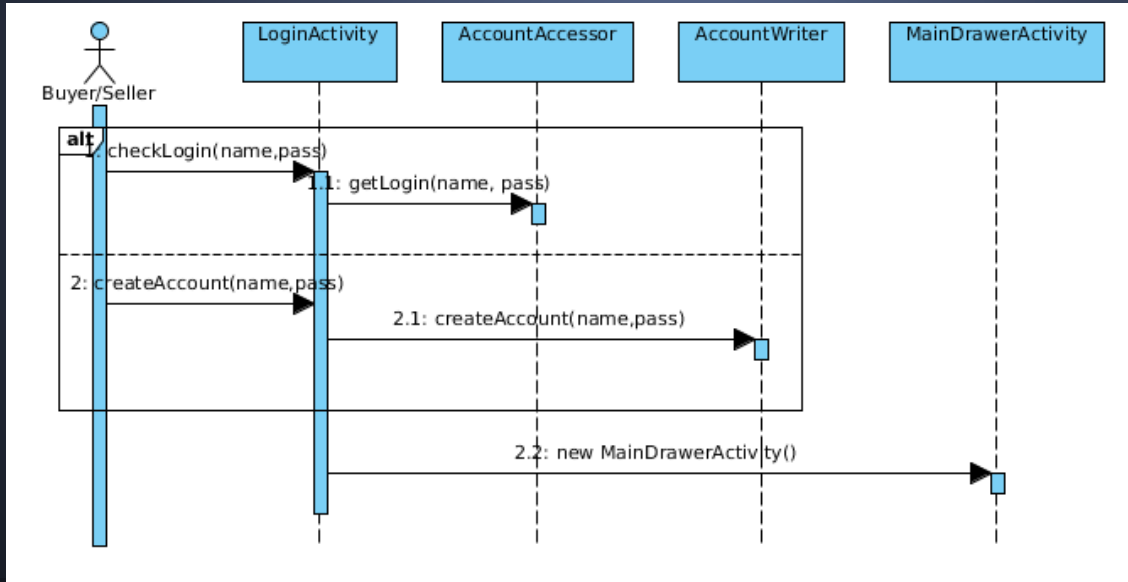
Detailed Class Diagram - Database

- ListingAccessor
 - getByUser()
 - for user's profile
 - Subclasses- methods for price range and criteria
- Changed to static methods



Sequence Diagrams

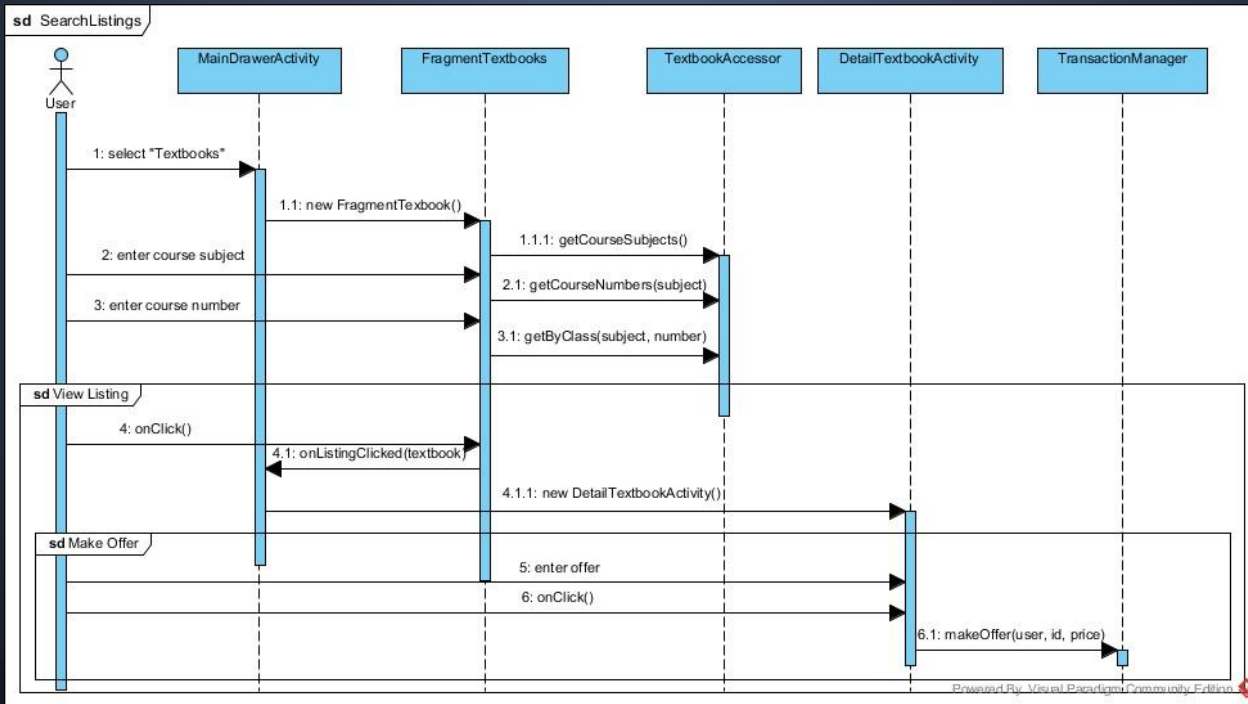
Log in, Create account



Sequence Diagrams

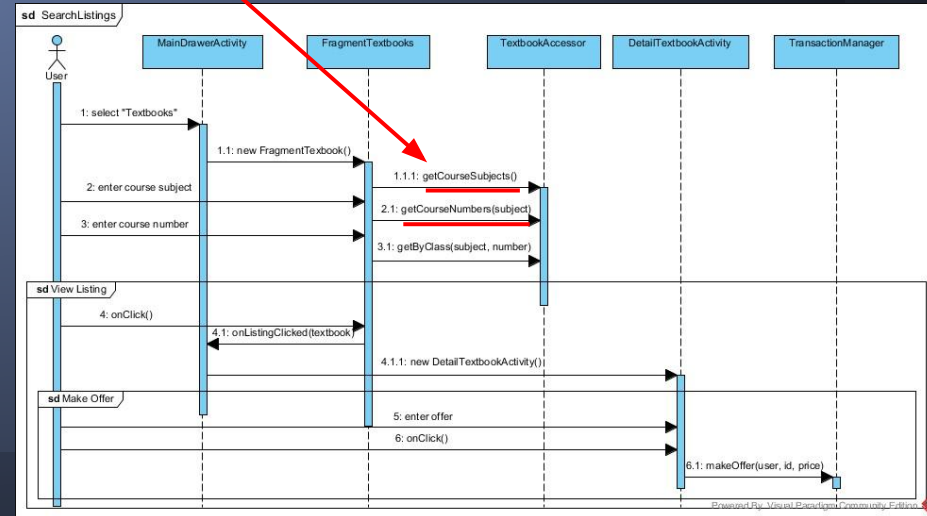
Search for listings, view listing, and make offer

(cont.)



Sequence Diagrams

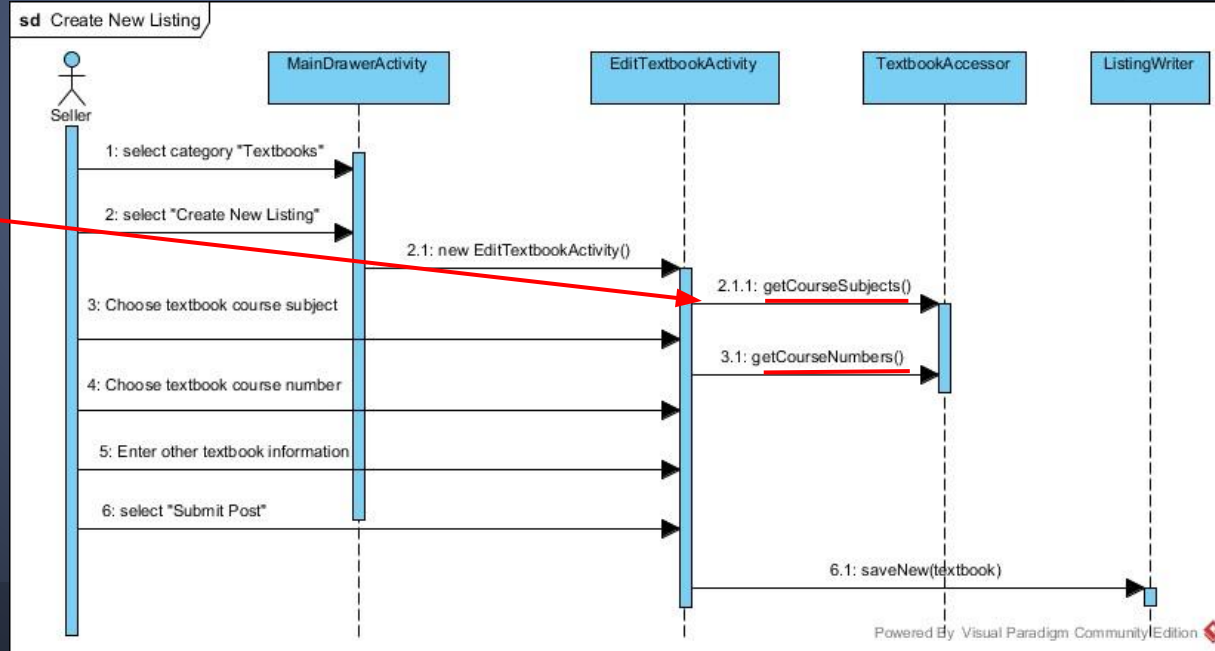
- Search for listings
 - choose category in drawer, enter criteria
 - note `getCourseSubjects()` and `getCourseNumbers()` - huge benefit of College Swap
- View individual listing
 - `FragmentTextbooks` lets `MainDrawerActivity` launch detailed Activity
- Make offer
 - `TransactionManager`



Sequence Diagrams

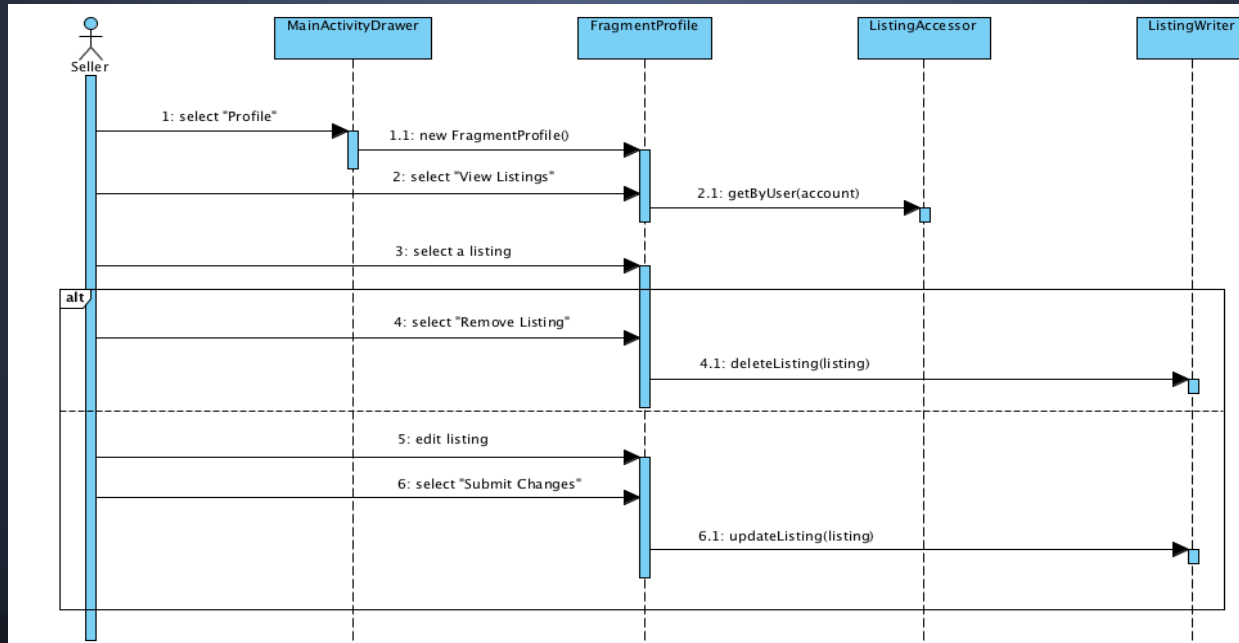
- Create new listing
 - EditTextbookActivity- input fields for textbook
 - ListingWriter

Note `getCourseSubjects()` and `getCourseNumbers()`, like searching for listings



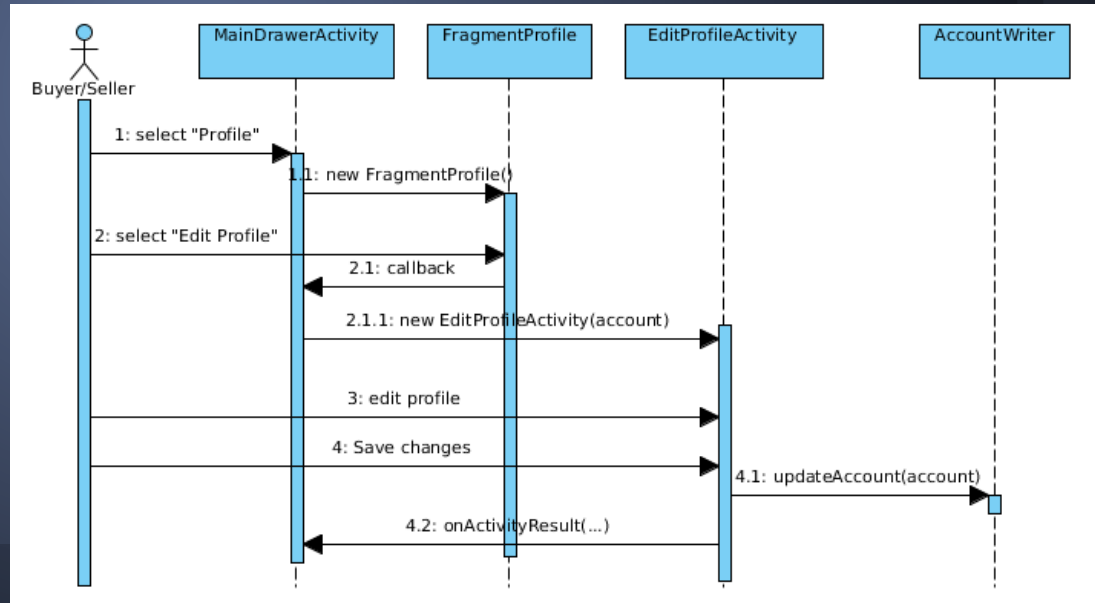
Sequence Diagrams

- Update Listing - edit/remove listing



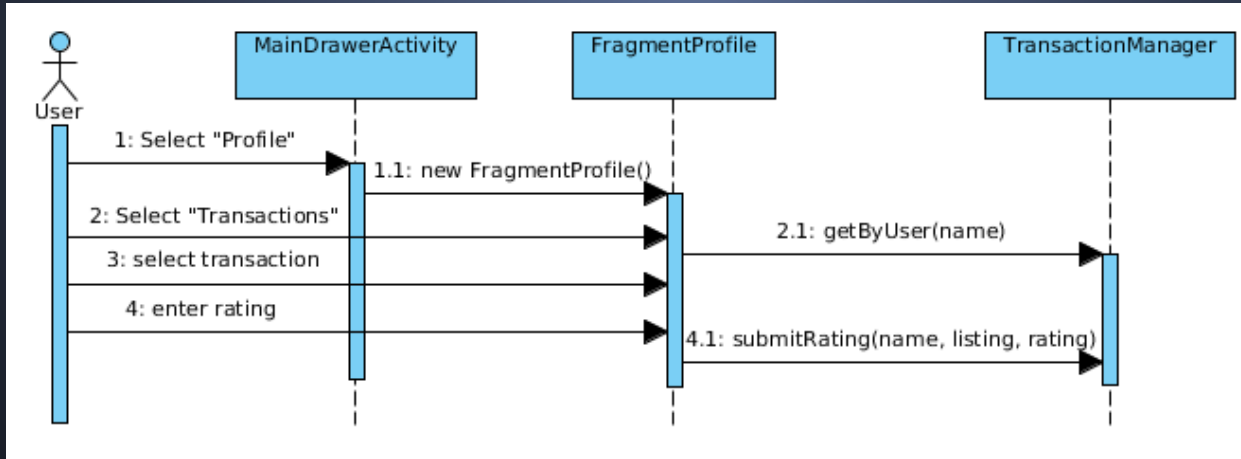
Sequence Diagrams

- View Profile- displays user's profile
 - FragmentProfile
- Edit Profile
 - input fields
 - AccountWriter



Sequence Diagrams

- Submit User Rating
 - User views their profile, opens Transaction history



Priority Focus Changes

- Email preferred over push notifications
 - making offers
 - accept offers

Summary

- Established more understanding of Sequence Diagrams and their uses
- Android app + Server = ambitious
 - cut down on server side transaction logic