MAD Android - Exercise 1

Your assignment is to create an RSS Reader Application for Android. BEWARE: The second exercise will be built on this exercise (i.e. this exercise is the foundation for the second exercise!)

DEADLINE: 21.10.2013

1) Use a single Activity to host your Fragments
2) Your App must contain 3 Fragments:
    a. One of the Fragments must contain the UI / Logic to subscribe to a RSS feed **(1P)**
    b. Another Fragment must be used to display a list of all RSS feeds the user has subscribed to **(1P)**
    c. The last Fragment must be a list showing postings (drill down!) **(1P)**
3) Use a Service to synchronize the user's feeds
    a. No scheduling required, but the Service has to be used to download the feed's content! **(2P)**
    b. All downloads (e.g. fetching feeds) must happen in a worker thread, use a Handler to post information to the UI thread **(1P)**
4) General Stuff
    a. Make sure to use the Android Framework properly (i.e. use an adapter to fill the list, FragmentManager, ListFragment, etc) **(2P)**
    b. All parts of your App (Services, Fragments, Activities, etc) must communicate using local broadcasts! **(1P)**
    c. Be sure to code in a clean manner **(1P)**
        i. Data Objects
        ii. Neatly defined protocols for broadcasts (constants)
        iii. SOLID (where possible) http://en.wikipedia.org/wiki/SOLID_(object-oriented_design)
        iv. Use of appropriate design patterns (also: domain specific patterns like ViewHolder)