Homework 6: Action Bar

Submission Requirement: Same as the previous homework.

Look and Feel (10 points): The quality of your UI will be evaluated in this homework.

Task 1 Front-page Activity (10 points). The front page is the same as the last homework. You can reuse the activity from your last homework. Please do the following:

- Please add two action items to your front-page activity (one always shows and the other in the overflow area). When an item is clicked, a Toast message will be displayed.

Task 2 (50 points): Please implement an Activity, which loads a RecyclerView Fragment:

- (10 points) The RecyclerView Fragment's action bar contains a SearchView. After the user types a string in the text field, RecyclerView should scroll to the first movie item that contains the string (case non-sensitive).
- (10 points) When a user clicks an item, the detail view (a fragment) of the selected movie will be loaded into the same Activity. There is a Share action provider on the action bar of the fragment. This action provider should allow users to send the information about the selected movie to other apps (e.g. email app).
- (10 points) When a user long clicks an item, the contextual action bar should appear, offering two choices (duplicate the item or delete the item). You need to implement the duplication and deletion.
- (10 points) Each item should have an ImageView (see Figure 1); when the ImageView is clicked, a popup menu will appear, offering two choices (duplicate the item or delete the item). You need to implement the duplication and deletion.

Task 3 (30 points): Please implement an Activity, which contains a ViewPager:

- (20 points) You should use the tab navigation and support swipe view, i.e., you can go from one tab to another tab by swiping in the content area. You need to have at least two tabs, including the "Top Selling Movies" and "New Movie Release" tabs. Each tab displays a RecyclerView. Both tabs should use the same RecyclerView Fragment, but with different layout styles.
  - In the "Top Selling Movies" category, use LinearLayoutManager.
  - In the "New Movie Release" category, use GridLayoutManager.
- (10 points) When a user clicks an item (in any of the tabs), the detail view of the selected movie will be loaded into another Activity. In this detail-view Activity, you should use Toolbar as your Action bar, and place the Action bar at the bottom. Put some items on it (what you put on there is up to you; you can simply display some Toast messages when the items are clicked).
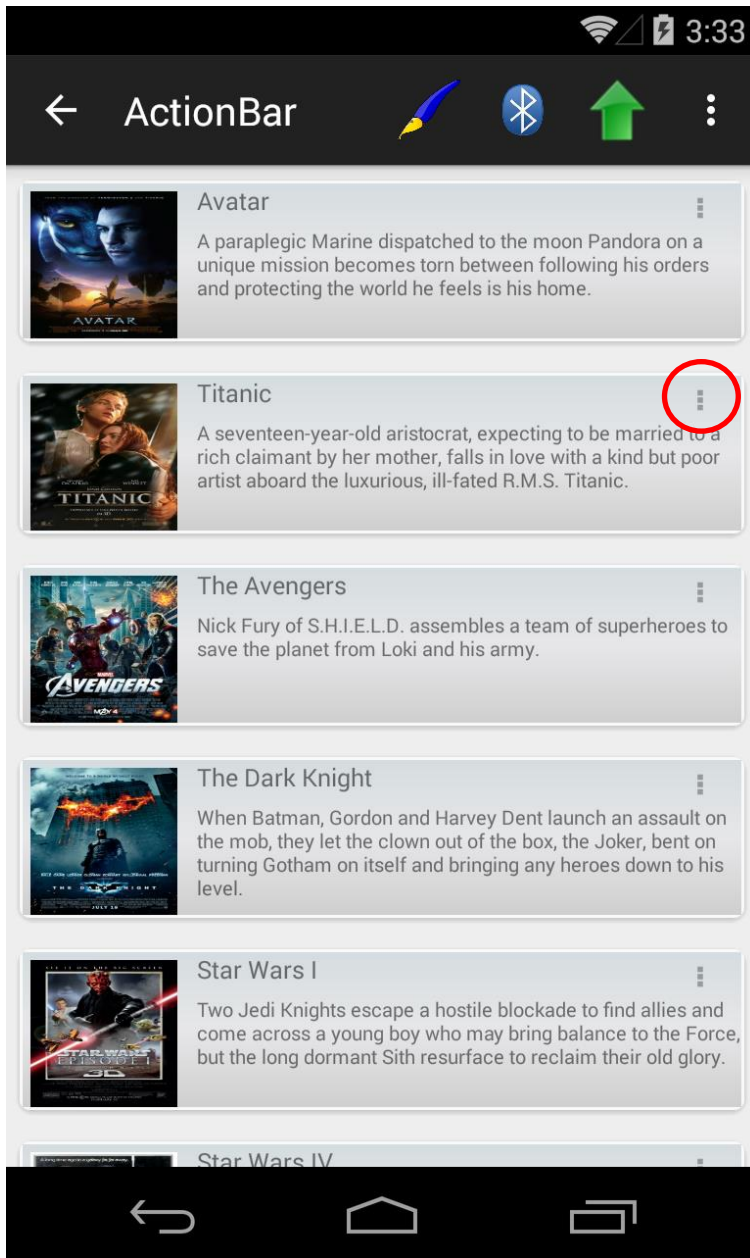
Figure 1