**Task 1 (10 points):** Create an account at Firebase, and load the movie data into Firebase server.

**Task 2 (20):** Implement a login Activity, and show that you can use at least two different ways to login. If the authentication fails, users cannot go to the next step, which is to view the movie data.

**Task 3 (30 points):** In this task, you will use the RecyclerView that you implemented before. Instead of using your own adapter, you need to hook your RecyclerView to the the adapter provided by Firebase, such that you can get the movie data from the Firebase Cloud.

**Task 4 (10 points):** Please delete some movies from the Cloud and modify some movies (using browser); right after your changes, your RecyclerView should automatically refresh and display the most up-to-date movie data.

**Task 5 (30 points):** In the RecyclerView homework, you have implemented a popup menu for "duplicate" and "delete" movies. In this task, when the "duplicate" menu item is clicked, a duplicated copy of the selected movie will be inserted into the Firebase database (please change the id of the movie, e.g., by attaching "\_new" after the existing id). When the "delete" menu item is clicked, the selected movie is actually deleted. You need to go to Firebase from your browser, and point out the added movies and the evidence for the deleted movies from the database.