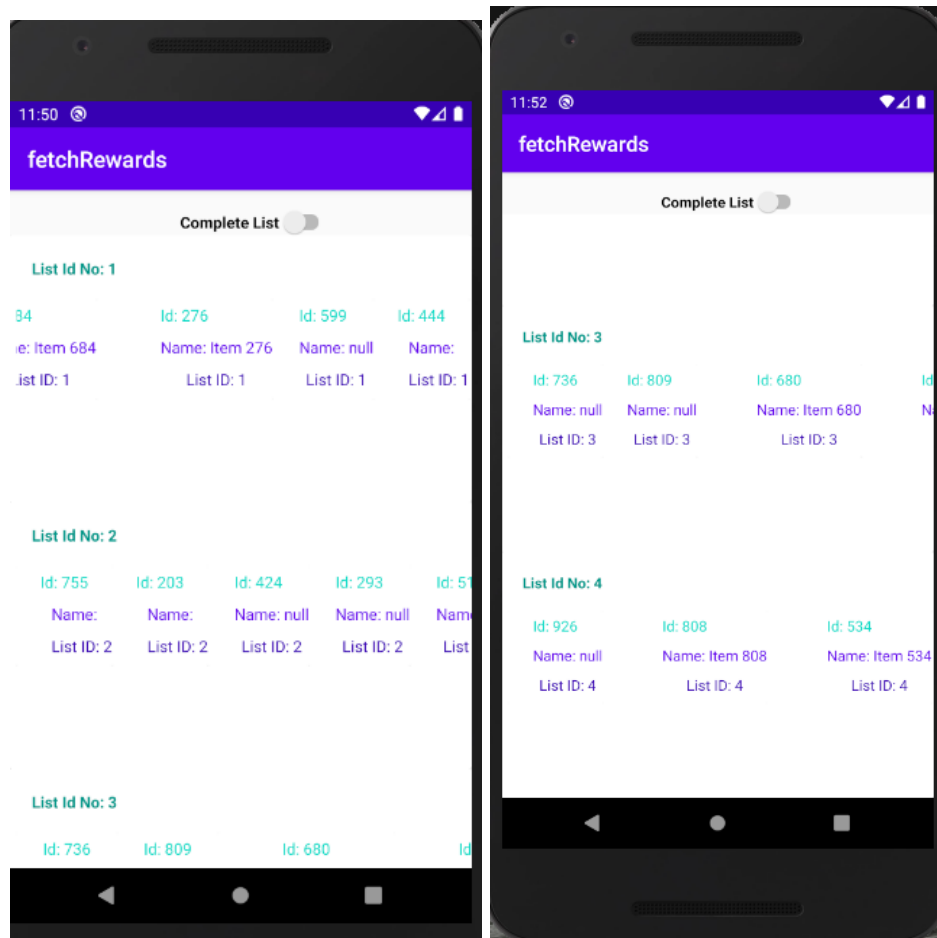# Fetch Rewards Coding Exercise - Software Engineering - Mobile

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Displaying the list of items(Objects from the JSON) to the user based on the following requirements:
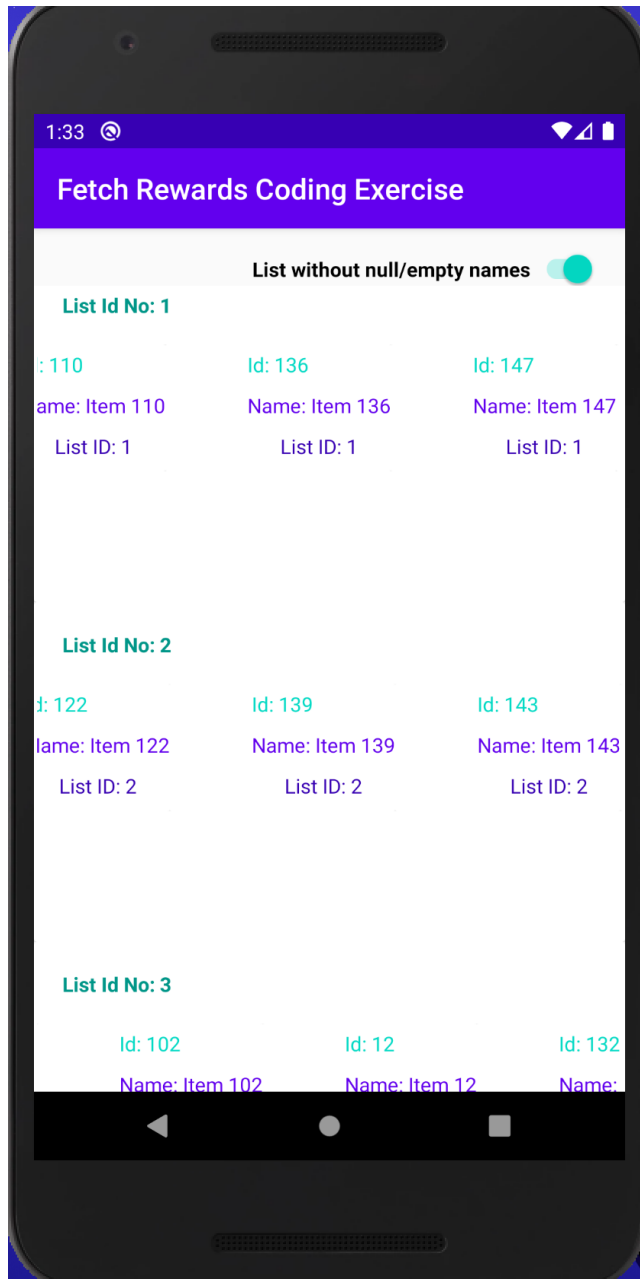
1. **Display all the items grouped by "listId"**

Upon opening the application it shows a list of all the items grouped by "List Id NO" in ascending order, which is **SCROLLABLE VERTICALLY,** along with the item details displayed under each "List Id No:" groups. Which are **SCROLLABLE HORIZONTALLY.**

2. Sort the results first by "listId" then by "name" when displaying.

The lists are first grouped by the listIds and sorted in ascending order. And further the items in each group are sorted by name in a horizontal Recycler View.

Upon starting the application the complete list displayed(names with null value & names with "" value) , since the **SWITCH** is set to false.

3. Filter out any items where "name" is blank or null.

If the SWITCH is set to true, only names with no null and ""(empty values are displayed). As shown in the below figure and the name of the SWITCH will be changed to "List without null/empty names".

A **video** is provided in the below **google drive link** , which is recorded to show the functionality of the application.

Here is the video of the application functionality.