Android Coding Assignment

We would like you to make a simple app which displays a list of posts coming from a JSON feed.

Data Feeds

- The posts will be received from the following APIs:
    - http://assets-production.applicaster.com/applicaster-employees/israel_team/Elad/assignment/link_json.json
    - http://assets-production.applicaster.com/applicaster-employees/israel_team/Elad/assignment/video_json.json

    The response structure is a JSON object that represents a list of posts.
- The following JSON fields of each post are relevant for the task:
    - Title - the post title
    - Summary - the post summary
    - Published - the post publish date
    - Media group - a group of media items
    - Media item - represents a list of images, each image has a key and src (URL to the image itself).
    - Type.value - indicate the post type (can be link/video)
    - Link.href - web page link (for posts of type Link)
    - Content.src - link to play a video (stream url)

Android App

1. You need to load those posts from the JSON URL and display all the results in a list. The list should have 2 different row types - VIDEO and LINK.
    1.1. Type VIDEO - Should display the title, image (from the key *image_base* of the post JSON entry), summary and a "PLAY" button
    1.2. Type Link - Should display the title, image (from the key *image_base* of the post JSON entry), summary

2. Clicking on a row should navigate to a new screen according to the item type
    2.1. Type LINK will display a new screen that loads a WebView with the given link.

2.2. Type video will open a media player to play the item.
2.3. Tapping the Back button of the device will navigate back to the previous screen.

3. Filtering - we want to be able to filter specific posts by their title.
   3.1. On top of the list, there should be a search box area that filters the posts according to the input text.
   3.2. The posts should be filtered according to the "Title" field of the post.
   3.3. Filtering should be done dynamically with every character that is input by the user.

General Instructions

- UI / UX matters please take your time to design a visually pleasing application. Details matter.

- An added bonus will be given for demonstrating testing for relevant parts of the task.

- The code should be deployed to a GITHUB public repository and contain the following:
   - Projects code
   - A README.md file with instructions on how to launch the app, run its tests, etc

<u>Note:</u>
You may use any API or 3rd party library that is relevant for completing the task.