**The Challenge:**

The challenge is to create a simple Mobile app that exercises a REST-ful API. The API endpoint

**Ticketmaster – Discovery Endpoint**

**- API key: DW0E98NrxUIfDDtNN7ijruVSm60ryFLX**

**- Site: https://developer.ticketmaster.com/**

**- Documentation:** [**https://developer.ticketmaster.com/products-and-docs/apis/discovery-api/v2/**](https://developer.ticketmaster.com/products-and-docs/apis/discovery-api/v2/)

**API full URL:** [https://app.ticketmaster.com/discovery/v2/events.json?apikey={apikey}](https://app.ticketmaster.com/discovery/v2/events.json?apikey=%7bapikey%7d)

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Get Events by Cities

Sample request:

{

"\_embedded": {

"events": [

{

"name": "Los Angeles Dodgers vs. San Diego Padres",

"type": "event",

"id": "Z7r9jZ1AdFY73",

"test": false,

"url": "https://www.ticketmaster.com/event/Z7r9jZ1AdFY73",

"locale": "en-us",

"images": [

{

"ratio": "16\_9",

"url": "https://s1.ticketm.net/dam/a/2f4/5f8bca36-3127-4f87-b573-3dd6485642f4\_1344231\_RECOMENDATION\_16\_9.jpg",

"width": 100,

"height": 56,

"fallback": false

},

{

"ratio": "16\_9",

"url": "https://s1.ticketm.net/dam/a/2f4/5f8bca36-3127-4f87-b573-3dd6485642f4\_1344231\_RETINA\_PORTRAIT\_16\_9.jpg",

"width": 640,

"height": 360,

"fallback": false

},

{

"ratio": "16\_9",

"url": "https://s1.ticketm.net/dam/a/2f4/5f8bca36-3127-4f87-b573-3dd6485642f4\_1344231\_TABLET\_LANDSCAPE\_16\_9.jpg",

"width": 1024,

"height": 576,

"fallback": false

},

{

"ratio": "16\_9",

"url": "https://s1.ticketm.net/dam/a/2f4/5f8bca36-3127-4f87-b573-3dd6485642f4\_1344231\_RETINA\_LANDSCAPE\_16\_9.jpg",

"width": 1136,

"height": 639,

"fallback": false

},

{

"ratio": "16\_9",

"url": "https://s1.ticketm.net/dam/a/2f4/5f8bca36-3127-4f87-b573-3dd6485642f4\_1344231\_EVENT\_DETAIL\_PAGE\_16\_9.jpg",

"width": 205,

"height": 115,

"fallback": false

},

{

"ratio": "3\_2",

"url": "https://s1.ticketm.net/dam/a/2f4/5f8bca36-3127-4f87-b573-3dd6485642f4\_1344231\_RETINA\_PORTRAIT\_3\_2.jpg",

"width": 640,

"height": 427,

"fallback": false

},

......

Using this endpoint, show a list of these items, with each row displaying at least the following

fields:

name (title of the event)

Image (select one image that fits your design)

(add any other Fields you like)

Feel free to make any assumptions you want along the way or use any third party libraries as

needed.

**Submission**

Simply push this to GitHub or zip it and send us the link. Don't forget to document your work in a README.md file.

General Instructions:

This isn't a visual design exercise. For example, if you set random background colors to

clearly differentiate the views when debugging, pick Comic Sans or Papyrus, we won't

hold that against you. Well, maybe a little bit if you use Comic Sans :)

This is also most of the code you'll be showing us – don't underestimate the difficulty of

the task, or the importance of this exercise in our process, and rush your PR. Put up

your best professional game.

This isn't just about handling the happy path. Think slow network (or no network at

all), supporting different device sizes, ease of build and run of the project.

Must haves:

* Kotlin/Swift
* MVVM
* Dependency Injection
* Room/ CoreData or any other type of storage
* Unit Tests a must
* A simple plain text search
* README file explaining your app

Nice to have:

* UI test

We appreciate there's a lot that is asked in this exercise. If you need more time, feel free

to ask. If you need to de-prioritize something, apply the same judgement you would on

a professional project, argument your decision.

Sample image on how the app should look like

