## Requirements

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| Tutorials  * [Building Your First App](https://developer.android.com/training/basics/firstapp/index.html) * [Layouts](https://developer.android.com/guide/topics/ui/declaring-layout.html)   + Do Linear Layout, Relative Layout, Recycler View   + [More about Recycler View](https://www.androidhive.info/2016/01/android-working-with-recycler-view/) * [Network Requests](https://www.raywenderlich.com/126770/android-networking-tutorial-getting-started)   + Do OkHttp  Project Once you've gone through the tutorials, you should have the knowledge to be able to make a simple Android app. We want you to use the Apple RSS feed for Apple Music / iTunes to display information about artists in a list with detail views when you click on the artists.  Here are the requirements for the project:   * Asynchronously fetch JSON data about the top 10 albums on Apple Music using their [RSS Feed Generator.](https://rss.itunes.apple.com/en-us) * Parse and store this information into custom data models (objects) for use in the app (look at JSONObject / JSONArray for parsing). * Display a list of the album and artist names using RecyclerView. * When a cell in the list is clicked, start a new Activity displaying more information for the album / artist (we call this a "detail" screen). * If you want to, think about some extra features you could add to the app and implement them. |

## My Application: Apple Music

Activities

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| MainActivity: Show the Top 10 albums list  DetailActivity: Show “detail” screen |

Adapter

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| MusicAdapter: Load and transfer data |

SourceData

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| JSONKey: Save the keys from apple music json data  JSONData: Map the json data to my musiclist |

Database

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| Configuration: initial database  Music: table  MusicDao: data access layer  RealmManager: Database helper  DataGenerator: a AsyncTask class. It is used to generate data for MainActivity |

## Learnt new Skills

1. OKhttp
2. Kotlin
3. Realm Database
4. Glide
5. Recycler view

## Results

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