

## iOS Technical Assignment:

We would like you to implement a simple mobile app that will search for music in iTunes using Apple's APIs.

The APIs we would like you to use are documented here:

<https://developer.apple.com/library/archive/documentation/AudioVideo/Conceptual/iTuneSearchAPI/>

Requirements:

- Your app will ask the user to enter the search string and will show a list of matching results
- The search results must be limited to Denmark
- Each result item should display the music track `release date`, `artwork`, `track name`, `artist name` and `short description`
- You must use AutoLayout for implementing the UI.
- You must not use third-party libraries
- You are free to choose the architecture which you familiar with
- You are free to pick the UI/UX design but consider different device size
- Your app must be structured, maintainable and testable
- You should show how you would implemented unit testing but you are not required to implement a full unit test
- You should publish your app on your preferred version control system (Github, Bitbucket, etc) where we expect to see and review your commits, showing how you have progressed.

Feel free to document any assumptions that you have made.

During the face to face interview we will ask you questions about the code you have submitted and we will also ask you to implement a few small extensions to the app.