



## Musixmatch iOS Test

The app to be built is a quiz game, let's call it "Who Sings" 🎤, that should use our API and have the following requirements:

**Goal of the game:** 📱 Choose the artist that sings a specific line of lyrics, winning points for every correct choice

### Must have features:

- quiz card with one line of lyrics and 3 artists to choose from
- the game ends after completing N quiz cards, one after the other
- ask the name of the player with the ability to log off so that another user could play
- count the points and save them at the end of the game
- the screens of the game should be:
  - the quiz screen
  - the user's screen where they can see their name and the points of the last N games
  - the high score screen where you can see a chart of the best players

**Nice to have** 👍 : Game time countdown for every quiz card, once it runs out you pass to the next quiz card without getting any points

### Notes 📝 :

- the user session should be handled on the device, no need to call an external API, should be simple enough to store the current user's name with no password being necessary
- we won't judge the design, feel free to use open source UI libraries if needed
- the app should be built using the Swift programming language
- you should use Auto Layout to build the UI and we recommend against using interface builder
- other technology choices like various libs, design patterns, etc are up to you

To get access to our API you can create an account on our developer website: <https://developer.musixmatch.com/>. The free account will give you access to only 30% of each song's lyrics but that shouldn't be a problem for this project.

In the documentation you can find all the various endpoints that could be used for building this app. It's up to you to choose which APIs to use.



**We will evaluate the following things:**

- the technical skills such as the familiarity with the programming language, design patterns and the iOS ecosystem
- the ability to translate (not very detailed) specifics into a working and usable product and the decisions made in order to reach this goal
- the use of our APIs and the choices made of which API calls would be better suited for the project
- the problem solving skills and the overall "elegance" of the chosen solutions

**Please note that this work will not be used for Musixmatch s.p.a work purposes, but only for the sole purpose of evaluating your skills within the recruitment process.**

We wish you all the best!

Musixmatch team