



Hello there! 🍏

Your skills and experience captured our attention and for that reason, we would like to learn more about your way of thinking and unique technical skills.

By completing the following assignment you will grasp the chance to shine and demonstrate your skills and creativity as a mobile software engineer.

We believe this assignment will be both challenging and fun, and we can't wait to see what you come up with!

The Task 📁

Your objective is to develop an iOS application using Swift that showcases a list of upcoming sports events. The app should enable users to view events categorized by sport type, filter them based on favorites, and display a countdown timer for each event indicating its scheduled start time.

No backend implementation is required, as the app will utilize a mock API serving static data.

Requirements :

- The application is required to retrieve the list of events from an API endpoint. Further details regarding the API can be found in the [API](#) section provided below.
- Events should be presented in a scrollable list, categorized by sport type. Each event entry should include information about the competitors, a countdown timer indicating the time remaining until the event starts, and a favorite button.
- Users must have the ability to mark events as favorites. Favorited events should be prioritized and displayed first within their respective category. Persistence of favorite events beyond a single runtime is not necessary; marking them as favorites temporarily for the duration of a single session suffices.
- The countdown timer should update in real-time, accurately reflecting the remaining time until the event commences.
- A navigation bar containing the application's name or logo is mandatory.
- Users should be able to expand and collapse the events container based on their sport type.
- The deliverable for this task is an Xcode project capable of being built and run on both a simulator and a physical device.
- The main view with the list of sports needs to be implemented using UIKit (UITableView or UICollectionView).
- Use Xcode 15.x

Notes

- Don't worry about supporting a landscape orientation or customize your UI for tablet support.
- Below we have included a sample UI, reusing components taken straight out of our apps, just to show you the ropes.
- This feature is inspired by existing functionality in the Stoiximan/Betano native application, and combines challenges that the team has faced in real day to day tasks, so it is a great opportunity to get a taste of what working in the team can look like.

Good to know

- Feel free to follow the UI provided pixel-perfectly, or make tweaks (e.g. You could add icons in each sport group, animations, or anything you like).
- You are free to include any additional features but make sure you have covered the requirements before attempting any improvements. A well engineered feature is always better than two mediocre ones.

- Feel free to use an architectural approach of your preference. Keep in mind that we expect you to be able to justify your choice.

Evaluation Criteria 🧐

Your submission will be evaluated based on the following criteria:

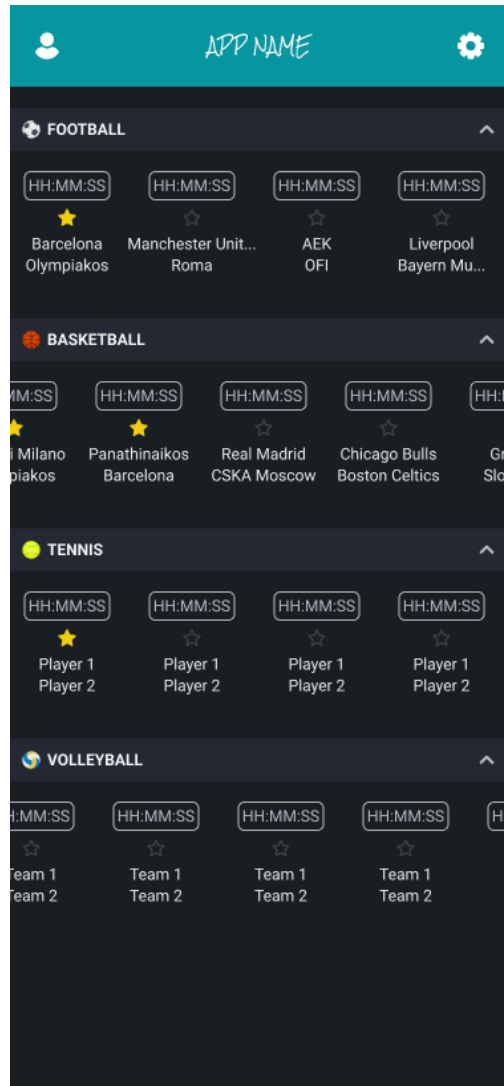
- The app correctly implements the required functionality listed above.
- The app is well-organized, readable, and maintainable.
- The app follows best practices for iOS development.
- The app includes appropriate error handling and user feedback.
- The app is free of crashes and other major bugs.

Submission Instructions 🚀

It's completely up to you to decide how to submit the assignment. GitHub, Bitbucket, or any other service that's easily accessible works great. Please send us a link where we can find your private repository, and invite ios-careers@kaizengaming.com so our team can have read access.

User Interface 🎨

Sample Screen



Endpoint

<https://ios-kaizen.github.io/MockSports/sports.json>

Response

```
[
  {
    "i": "FOOT",
    "d": "SOCCER",
    "e": [
      {
        "i": "22911144",
        "si": "FOOT",
        "d": "Greece-Spain",
        "tt": 1657944684
      }
    ]
  }
]
```

Parameter	Description	Type	Example
i	sport id	string	FOOT
d	sport name	string	SOCCER
e	active events	array of events	

i	event id	string	22911144
si	sport id	string	FOOT
d	event name	string	Greece-Spain
tt	event start time	Int (unix time)	1657944684