iOS Technical Assignment

Build an iOS football app that shows matches and highlights.

Functional Requirements

- Display previous and upcoming matches.
- Select a team for team details.
- Filter matches by team(s).
- Watch highlights of a previous match.

Coding Requirements

- Use UIKit and Combine (functional reactive programming).
- Build the entire project's UI programmatically.
- Present lists using collection view diffable data source.
- Following MVVM design pattern, discern files using the feature-first approach.
- Integrate Core Data to sync matches and teams for offline access.
- Conform to API Design Guidelines (https://bit.ly/3ZqnUXO).
- Conform to Swift Style Guide (https://bit.ly/3YicMuO).

Coding Requirements (Bonuses)

- Encapsulate business/UI logic with Swift Package(s).
- Integrate unit testing bundle with appropriate unit tests for code coverage.
- Integrate unit testing bundle with snapshot tests for UI components comparisons.
- Integrate UI testing bundle with appropriate UI tests to simulate user interactions.
- Limit third-party dependencies (zero is the best).

Backend APIs

Get Teams	https://jmde6xvjr4.execute-api.us-east-1.amazonaws.com/teams
Get Matches	https://jmde6xvjr4.execute-api.us-east-1.amazonaws.com/teams/matches

Documentation Requirements

- Create a README.md in the project's directory.
- Add 2-3 GIFs to showcase your app UI and features.
- Describe any particularly challenging technical issue you faced while working on the iOS project, how you approached solving it, and what you learned from the experience.

Expectations

- Simple, elegant, and malleable solutions.
- Clean, readable, and organized code.
- Knowledge of modern Apple APIs.

Submission

Please email a zip archive of your project to the HR representative. Good luck!