Technical Assessment

Summary

The assessment below has two technical tests namely:

- 1. Next js assessment
- 2. React Native assessment

Please select the applicable test(s) and kindly read the instructions carefully and submit the result after completing the assessment at careers@cabsandmore.com.

Only select any of below or both based on your preference.

Deadline for submitting the assessment is on 25/03/2025

Feel free to ask any question for clarification.

1. Next.js Takeaway Test: Github Gist Tracker App

Objective:

Develop a **Github Gist Tracker App** using **Next.js**, **MongoDB**, **and Tailwind CSS**. The application should allow github users to **sign up**, **log in**, **create**, **update**, **delete**, **and view github gists**. Users should also be able to manage their **profile information**.

Requirements:

1. Tech Stack:

• Frontend: Next.js 15, Tailwind CSS V4

- Backend: API routes/ Server Action in Next.js
- Database: MongoDB (via Mongoose) for handling user profile
- Form Handling & Validation: React Hook Form + Zod
- APIS: GitHub Gist API (https://docs.github.com/en/rest/gists)
- **Deployment:** Any platform (Vercel, Netlify, etc.)

2. User Features:

Authentication

- User can register with email & password
- User can log in and log out
- o Protected routes for authenticated users

Profile Management (CRUD)

- View, edit, and update profile information (name, bio, avatar, etc.)
- Delete account
- Save profile on database (CRUD)

• Gist Management (CRUD)

- Create a new gist (title, description, code snippet)
- View a list of gists
- o Edit & delete own gists
- View individual gist details
- Search/filter gists

Responsiveness

• The app should work on mobile, tablet, and desktop screens

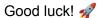
3. Bonus (Optional):

- Allow users to star/favorite gists
- Implement pagination for gist listing
- Use **Mapbox** to show the user's location (if allowed)
- Deploy the application

Submission Guidelines:

- Host the code on **GitHub** (private/public repo) & share access
- Deploy the app and provide a live URL

• Submit a **README.md** with setup instructions and any extra notes



2. React Native Takeaway Test: Soccer Games App

Objective:

Develop a **React Native App using Expo** that fetches upcoming soccer games from the **Free Sports API (https://www.thesportsdb.com/)**. The soccer match should be from American League Major League Soccer. The app should have **authentication**, **profile management**, and **search functionality** implemented with **Firebase and Redux**.

Requirements:

1. Tech Stack:

- Frontend: React Native (Expo 50+)
- State Management: Redux Toolkit
- **Backend:** Firebase (Firestore for user profiles, Firebase Auth for authentication)
- API: Free Sports API (fetch upcoming soccer games)
- **Navigation**: React Navigation/Expo router (Bottom Tabs)
- Styling: GlueStack UI

2. App Features:

- Authentication
 - User can sign up and log in using Firebase Auth
 - Protected routes to ensure only logged-in users can access certain features
- Bottom Tab Navigation
 - o Home Tab: Displays upcoming soccer games fetched from Free Sports API
 - Implement **search functionality** using Redux to filter games by team name or league
 - Profile Tab: Allows the user to manage their profile (CRUD operations)
 - Edit profile details (name, favorite team, profile picture, etc.)

- Delete account
- o Favourite: Allow users to favorite matches and store them in database
- Dynamic Search Logic
 - Use Redux to manage the search state and filter soccer games dynamically
- Real-time Updates
 - Fetch upcoming matches dynamically from Free Sports API
 - Update user profile in Firebase Firestore and reflect changes in real time
- Responsive Design
 - Ensure the app works smoothly on both Android and iOS
- 3. Bonus (Optional):
 - Show match details page when clicking on a game
 - Implement pagination or infinite scroll for listing soccer games
 - Deploy the app (Expo or APK build)

Submission Guidelines:

- Upload the code to GitHub (public/private repo) and share access
- Provide a **README.md** with setup instructions and API usage details
- Share a **demo video or APK file** for review (optional but preferred)

Good luck! 🗞 🚀