1. What tech stack will you use for your final project? React and Node

2. Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application? - I would like to focus on front end UI

3. Will this be a website? A mobile app? Something else? App

4. What goal will your project be designed to achieve? -Create a fitness app that integrates with Google Fit API to track users' physical activity, such as steps taken, distance traveled, and calories burned. Provide users with insights and analytics about their fitness progress.

5. What kind of users will visit your app? In other words, what is the demographic of your users? Anyone wanting to track fitness

6. What data do you plan on using? How are you planning on collecting your data? --API: Google Fit API

7. In brief, outline your approach to creating your project (knowing that you may not know everything in advance and that these details might change later). Answer questions like the ones below, but feel free to add more information:

a. What does your database schema look like?

* User table: Stores user information like username, email, password (hashed), etc.
* Activity table: Stores activity data such as type of activity, duration, distance, calories burned, timestamp, etc.
* Goals table: Stores user-set goals such as daily step count, weekly distance, etc.
* Sessions table: Stores session data, if your app supports workout sessions, including details like start time, end time, activity type, calories burned, etc.

b. What kinds of issues might you run into with your API? This is especially important if you are creating your own API, web scraping produces notoriously messy data.

* The Google Fit API might have rate limits or quotas that need to be managed.
* Ensuring proper error handling for cases like API downtime, network failures, etc.
* Handling authentication securely to access user data from Google Fit.

c. Is there any sensitive information you need to secure?

* User credentials and access tokens need to be securely stored and transmitted.
* Personal health data collected from Google Fit should be handled with care and in compliance with privacy regulations

d. What functionality will your app include?

* Syncing with Google Fit to fetch user's fitness data.
* Setting and tracking fitness goals.
* Recording and tracking workouts or activities.
* Providing insights and analytics based on user data.
* Social features like sharing achievements, challenges, or progress with friends.

e. What will the user flow look like?

* User signs up or logs in.
* User connects their Google Fit account.
* User sets goals or preferences.
* User records activities or workouts.
* User can view their progress, achievements, and insights.

f. What features make your site more than a CRUD app? What are your stretch goals?

* Integration with wearable devices for real-time tracking.
* Gamification elements like badges, rewards, or leaderboards.
* Personalized recommendations based on user behavior and goals.
* Social features such as challenges, group workouts, or friend leaderboards.
* Machine learning algorithms for predicting future performance or suggesting personalized workouts.