1. Problem Statement (Build Task)

Create a **single-screen React Native (Expo) app** that helps a learner clarify any term they type in.

Core requirements

1. **Input box** where a user types a term (e.g. “photosynthesis”).
2. On **Submit**, fetch a definition via a **mock API** (e.g. https://api.dictionaryapi.dev/ or a stub you create).
3. Display the result in a **card** and highlight any synonyms in a distinct style.
4. Show an ActivityIndicator while fetching.
5. Provide friendly **error handling** (“Term not found”, network error).

Time box: Aim for ≤ 6 hours of actual coding.

Tech constraints

- Use **React Native with Expo CLI**.
- No backend or database required.
- Keep dependencies lightweight; UI libraries optional.

Deliverables

1. Public **git repo** with a clean commit history.
2. **README** (≤ 1 page) including:
    - Setup & run instructions.
    - How long you spent and the next steps you’d take with more time.
3. **Bonus (+5)** 3-5 unit / component tests.

2. Short-Answer Questions

Provide answers in `answers.md`, **≤ 200 words each**.

Q1 – Leveraging AI in Front-End Delivery

> “Describe, with concrete examples, how you would use AI-powered coding or design assistants to accelerate front-end development in a startup where shipping fast matters but code quality can’t slip.”

Q2 – Inventing an AI Feature for Class 11 Students

> “You’re tasked with designing a new AI feature that makes Physics revision easier for Indian class 11 students. Outline two key features and sketch the user journey in plain text.”