

Instructions for Testing the IELTS Speaking Test Simulator on Android

Prerequisites

1. **Android Device:**
 - A physical Android device or an emulator with Android 5.0 (Lollipop) or above.
2. **Backend Server:**
 - Ensure the backend is running on Render. The base URL for the backend is:
 - <https://your-app-name.onrender.com>
3. **App APK:**
 - Obtain the APK file (app-release.apk) for the Android app.
4. **Stable Internet Connection:**
 - Both the backend and the app require internet connectivity.

Step 1: Install the App

1. Transfer the APK file to your Android device.
2. **Enable Unknown Sources** on your device:
 - Navigate to **Settings > Security > Install Unknown Apps**.
 - Enable it for the app used to transfer the APK (e.g., Google Drive, File Manager).
3. Locate the APK file on your device and tap to install it.

Step 2: Configure the App

1. Open the app on your Android device.
2. Ensure that the app is pointing to the correct backend URL (already pre-configured in the code):
3. `const backendUrl = "https://ielts-backend-0f6l.onrender.com";`
4. Verify the backend is accessible by visiting the /docs endpoint in a browser:
5. <https://ielts-backend-0f6l.onrender.com/docs>

Step 3: Test Practice Mode

1. **Start Practice Mode:**
 - Tap the Practice Mode button on the main screen.
 - Speak into the microphone.
2. **Check Real-Time Transcription:**
 - Ensure your speech is transcribed accurately and displayed on the screen.
3. **Stop Recording:**
 - Tap the Stop Recording button.
4. **Feedback Retrieval:**
 - Wait for feedback to appear after transcription.
 - Confirm that feedback includes scores for:
 - Fluency and Coherence

- Grammar
 - Vocabulary
 - Pronunciation
5. **Download PDF Report:**
 - Tap the Download PDF button to generate a report.
 - Verify the PDF includes the transcription and feedback.

Step 4: Test Test Mode

1. **Start Test Mode:**
 - Tap the Test Mode button on the main screen.
 - The test consists of three parts:
 - Part 1: Introduction
 - Part 2: Long Turn (Cue Card Activity)
 - Part 3: Two-Way Discussion
2. **Answer Each Part:**
 - Speak your answers into the microphone for each part.
 - Tap Next Part to proceed.
3. **Stop Recording:**
 - After completing all three parts, stop the recording.
4. **Feedback Retrieval:**
 - Verify that feedback for all three parts is displayed on the final feedback screen.
 - Tap Download PDF to generate a report for the entire session.

Known Limitations

1. **Internet Dependency:**
 - The app requires internet connectivity for both transcription and feedback generation.
2. **Accent Sensitivity:**
 - Speech recognition may vary depending on the user's accent or pronunciation.

Common Issues and Fixes

1. Backend Not Responding

- Ensure the backend is live by visiting:
- <https://your-app-name.onrender.com/docs>
- If the backend is down, restart it on Render.

2. No Feedback Received

- Verify the app is pointing to the correct backend URL.
- Ensure the OpenAI API key is set in the backend.

3. Transcription Not Displayed

- **Ensure microphone permissions are granted to the app.**
- **Check internet connectivity.**