This is a definitive error message from the pdfplumber library. It's not a code bug; the library is explicitly stating that the file you're trying to open **is not a valid PDF**.

The error pdfminer.pdfparser.PDFSyntaxError: No /Root object! - Is this really a PDF? means the file is missing a fundamental, required part of the PDF structure. The library is working correctly, but it's failing because the input file is invalid.

You've successfully built a working file-parsing backend. The problem is with the file you are providing.

The Solution: Try a Guaranteed Valid PDF 📄

To confirm this and move forward, please use a **different, known-good PDF file**.

1. **Create a new PDF:** Open a new Google Docs or Microsoft Word document, add a few lines of text, and save it as a PDF file.

2. **Upload the new file:** Use your frontend to upload this new, simple PDF.

This process will create a guaranteed valid PDF file that your parser should have no trouble reading. If the process is successful, you will receive a 200 OK status from your Flask server, and the extracted text will be logged to your browser's console.