

Great idea — professional level Python Translation App user:

- ✓ PDF Upload
- ✓ Word (.docx) Upload
- ✓ Output language download
- ✓ Hindi, English, Gujarati, Tamil, French supported
- structure, code future upgrade

■ Project Name:

■ Auto Language Translator App (Python + Flask)

■ Project Features

■ Required Libraries

pip install flask googletrans==4.0.0-rc1 PyPDF2 python-docx pdfkit reportlab

(Hindi/Tamil Unicode PDF → reportlab)

■ Folder Structure

```
TranslatorApp/
  app.py
  templates/
    index.html
    result.html
  uploads/
  output/
```

■ Main Backend Code (app.py)

```
from flask import Flask, render_template, request, send_file
```

```
from googletrans import Translator
```

```
from PyPDF2 import PdfReader
```

```
from docx import Document
```

```
from reportlab.pdfgen import canvas
```

```
import os
```

```
app = Flask(__name__)
```

```
translator = Translator()
```

```
UPLOAD_FOLDER = 'uploads'
```

```
OUTPUT_FOLDER = 'output'
```

```
os.makedirs(UPLOAD_FOLDER, exist_ok=True)
```

```
os.makedirs(OUTPUT_FOLDER, exist_ok=True)
```

```
# Extract text from PDF
```

```
def extract_pdf_text(filepath):
```

```
    reader = PdfReader(filepath)
```

```
    text = ""
```

```
    for page in reader.pages:
```

```
        text += page.extract_text() + "\n"
```

```
    return text
```

```
# Extract text from Word
```

```
def extract_word_text(filepath):
```

```

doc = Document(filepath)
text = ""
for para in doc.paragraphs:
    text += para.text + "\n"
return text

# Save translated text as PDF
def save_as_pdf(text, output_file):
    c = canvas.Canvas(output_file)
    y = 800
    for line in text.split("\n"):
        if y < 50:
            c.showPage()
            y = 800
        c.drawString(30, y, line)
        y -= 15
    c.save()

@app.route("/", methods=["GET", "POST"])
def home():
    if request.method == "POST":
        language = request.form["language"]
        file = request.files["file"]
        file_path = os.path.join(UPLOAD_FOLDER, file.filename)
        file.save(file_path)

        # Detect file type
        if file.filename.endswith(".pdf"):
            extracted_text = extract_pdf_text(file_path)
        elif file.filename.endswith(".docx"):
            extracted_text = extract_word_text(file_path)
        else:
            return "Unsupported file format"

        translated = translator.translate(extracted_text, dest=language).text

        # Output PDF
        output_file = os.path.join(OUTPUT_FOLDER, "translated.pdf")
        save_as_pdf(translated, output_file)

    return send_file(output_file, as_attachment=True)

    return render_template("index.html")

if __name__ == "__main__":
    app.run(debug=True)

```

■ Frontend (templates/index.html)

```

<!DOCTYPE html>
<html>

```

```

<head>
<title>Language Translator</title>
</head>
<body>
<h2>Upload File and Translate</h2>

<form method="POST" enctype="multipart/form-data">
  <label>Choose File (PDF/DOCX):</label>
  <input type="file" name="file" required><br><br>

  <label>Translate To:</label>
  <select name="language">
    <option value="hi">Hindi</option>
    <option value="en">English</option>
    <option value="gu">Gujarati</option>
    <option value="ta">Tamil</option>
    <option value="bn">Bengali</option>
    <option value="fr">French</option>
    <option value="de">German</option>
  </select><br><br>

  <button type="submit">Translate & Download</button>
</form>

</body>
</html>

```

■ How to Run

python app.py

Open browser →

■ <http://127.0.0.1:5000>

■ Optional Add-Ons (Future Upgrades)

■ Want ZIP File?

I can generate:

- ✓ Full project folder
- ✓ Requirements.txt
- ✓ Installation guide PDF
- ✓ Android UI design (optional)

■ Final Question:

1■■ Only Python script

2■■ Python + Flask Website (this one in ZIP)

3■■ Python + Android App Version

4■■ Full Advanced Software (commercial level)

Reply with 1, 2, 3 or 4 ■