Problem Statement

You are tasked with building a web application that can take in a PDF containing handwritten text, extract the content using AI, convert it to clean, machine-readable text, and generate a meaningful summary of the content.
This simulates a real-world use case such as digitizing medical records, notes, or historical documents — where accuracy and readability are crucial.

Objectives

1. Accept a PDF file with handwritten content through a web interface.

2. Convert the handwritten content into clean, structured digital text.

3. Generate a summary of the extracted content using AI.

4. Deploy this as a web app with a clean and intuitive UI.

5. Ensure the app is user-friendly and presents output clearly.

6. Allow users to select from predefined summary templates (add 2 - 3 different patient summary templates) and receive the summary formatted accordingly.

Guidelines

- You are free to use any tools, libraries, frameworks, or AI models of your choice.

- Focus on accuracy, speed, and usability.

- The web app must be deployed and publicly accessible. Share the live link along with your submission.

- Summarization can be extractive or abstractive — whichever suits your pipeline.

- Clean UI/UX will be taken seriously — think from an end-user's perspective.

- Template-based summarization selection must be intuitive, with real-time preview or dropdown options for users.

Deliverables

1. Public Web App Link and GitHub Repository.

2. Downloadable document output (`.txt` or `.docx`) containing clean text.

3. Display or downloadable summary of the document — in the user-selected summary format.

4. A short technical report (PDF) that includes:

   - Your overall approach and tech stack.

   - Key challenges faced and how you addressed them.

   - Any testing or validation done to ensure quality.

   - Details of summary template support and how it was implemented.