◆ What This App Does

It is a Streamlit web app.

The purpose is to upload a prescription image and show a dummy medicine schedule (randomly chosen from a list).

It doesn't read real text from the prescription, just simulates it with fake medicine data.

◆ How It Works (Step by Step)
1. Tools Used

Streamlit (st): to build the web app interface.

Pandas (pd): to create and display tables.

PIL.Image: to open and show prescription images.

Random: to select random medicines from the list.

2. Medicine Pool

A list of 10 dummy medicines is predefined.

Each medicine has three details:

Name (e.g., Paracetamol, Amoxicillin)

Dosage (e.g., 500mg, 250mg)

Timing (e.g., Morning & Night, After Food)

These medicines are used as sample data for the schedule.

3. UI Design (CSS)

Custom CSS is added to make the app look modern and colorful:

Light blue background.

White card-like containers with rounded corners and shadows.

Gradient-colored buttons (blue shades).

Tables styled with padding and borders.

This makes the app look like a professional dashboard instead of plain text.

4. Page Setup

The app title is set as "🌈 Prescription Scanner & Medicine Schedule".

The layout is wide to use full screen space.

Title is centered with a nice color.

5. Session State (Memory)

The app remembers uploaded files and their schedules using session state.

This means:

If you upload the same file again, it will show the same medicines as before.

If you upload a new file, it will create a new random medicine schedule.

6. Upload Prescription

The user uploads a jpg, jpeg, or png image.

Once uploaded:

The image is displayed on the left side.

A medicine schedule (5 random medicines) is displayed on the right side.

A success message confirms the upload.

7. Medicine Schedule Display

The medicines are shown in a table format with columns:

Medicine

Dosage

Timing

Each uploaded file has its own schedule, stored separately.

8. Reset Button

At the bottom, there is a "Reset All" button (centered on the page).

When clicked:

All stored medicine schedules are deleted.

A warning message shows: "All uploaded schedules cleared!"

◆ Final User Experience

You open the app → see a colorful dashboard.

Upload a prescription image.

On the left, you see your uploaded prescription as a small preview.

On the right, you see a neatly formatted dummy medicine schedule.

You can upload multiple images → each one will have a unique schedule.

You can clear everything with one Reset button.