**Project Flow**

1. **User Inputs Prescription Image:**
   * The user uploads an image of the prescription given by the doctor.
2. **OCR-Based Text Extraction:**
   * Optical Character Recognition (OCR) extracts text from the prescription.
   * Tools: **Tesseract OCR, EasyOCR, or Google Vision API**.
3. **Data Preprocessing & NLP Processing:**
   * Extract relevant medicine names, dosages, and quantities using **Natural Language Processing (NLP)**.
   * Named Entity Recognition (NER) using **SpaCy or custom-trained ML model**.
4. **Medicine Price Estimation:**
   * The system fetches the prices of prescribed medicines from an online or offline database.
   * Sources: **Government APIs, Online Medicine Databases (like PharmEasy, Netmeds API)**.
5. **Medical Bill Input & Comparison:**
   * User uploads or manually inputs the provided bill.
   * The system matches extracted medicine details with the bill.
6. **Verification & Discrepancy Detection:**
   * The system calculates the expected bill based on extracted prescription data and price database.
   * Compares it with the user-provided medical bill.
   * Highlights overcharges or mismatches.
7. **Final Report Generation:**
   * Displays a summary of correct and incorrect billing.
   * Can automate email notifications or report generation using **UiPath (optional)**.