FDA Code Recognition Web App

This is a Flask web application designed to recognize FDA codes for products based on images provided by users. The application utilizes OpenAI's GPT-4 model trained on vision tasks to interpret images and extract FDA industry, class, subclass, and process indicator codes.

Getting Started

Prerequisites

Make sure you have Python installed on your system. You can download it from python.org.

1. Installation:
   Clone this repository to your local machine:

```bash
git clone <repository-url>
```

2. Install the required Python packages:

```
 Copy code
pip install -r requirements.txt
```

Usage:

- Start the Flask server:
- Copy code
- python app.py
- Open your web browser and navigate to http://localhost:5000.
- Upload an image of a product.
- The application will process the image and return the corresponding FDA codes for the product.
- Configuration

Configuration:

You can customize certain aspects of the application by modifying the config.py file.

File Structure:

- app.py: Main Flask application file.
- config.py: Configuration settings for the application.
- index.html: HTML template for the home page.
- requirements.txt: List of Python dependencies.
- static/: Directory for storing static files such as images and CSS.
- templates/: Directory for HTML templates.

Contributing

Contributions are welcome! Please feel free to submit issues or pull requests.