🧠 NLP Playground

This is a simple Streamlit app that lets you explore powerful NLP models from Hugging Face 🤗.
You can perform Sentiment Analysis, Text Summarization, and Named Entity Recognition on your own text or uploaded `.txt` files.

Features

- **Sentiment Analysis:** Detects the sentiment of your text (positive/negative).
- **Text Summarization:** Summarizes long passages into concise summaries.
- **Named Entity Recognition:** Identifies entities (names, places, etc.) in your text.

Getting Started

1. Clone the repository

```
git clone <your-repo-url>
cd <your-repo-folder>
```

2. Install requirements

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

3. Run the app

```
streamlit run app.py
```

Usage

- Select a task from the dropdown.
- Enter your text in the text area, or upload a `.txt` file.
- Click **Run** to see the results.

Requirements

- Python 3.8+
- See `requirements.txt` for Python dependencies.

Credits

- [Streamlit](#)
- [Hugging Face Transformers](#)

Enjoy exploring NLP! 🚀