# Project Overview and Setup Instructions

## Project Description

This document outlines the details and setup instructions for the sentiment analysis application using a pre-trained DistilBERT model for natural language processing. The app utilizes Streamlit for web-based interaction, providing an interface for users to input text and receive sentiment analysis results.

## Installation Instructions

To run this application, ensure you have Python installed on your system. Then, follow these steps:  
1. Clone the repository or download the source code.  
2. Navigate to the project directory in your terminal.  
3. Install the required packages using:  
 ```bash  
 pip install -r requirements.txt  
 ```  
4. Run the application using Streamlit with the following command:  
 ```bash  
 streamlit run app.py  
 ```  
5. Open your web browser and go to the URL provided in the terminal (usually http://localhost:8501).

## Usage Instructions

Once the application is running, follow these steps to use the sentiment analysis feature:  
1. Enter your text in the input field provided.  
2. Click the 'Analyze' button to process the input.  
3. The application will display the sentiment analysis results, indicating whether the sentiment is positive, negative, or neutral.

## Troubleshooting

If you encounter any issues while running the application, consider the following solutions:  
- Ensure all required packages are installed correctly.  
- Check for any deprecated function warnings and update your code accordingly.  
- If using a default model, consider specifying the model name in the pipeline to avoid warnings.