Software Requirements Specification (SRS) Outline

1. **Introduction**
   The Sentiment Analysis Tool aims to provide users with an efficient means to analyze text data and determine the sentiment conveyed. This tool will leverage advanced machine learning techniques to predict whether the sentiment is positive, negative, or neutral. The system will be designed with a user-friendly web interface, ensuring that users can easily input text and receive real-time sentiment analysis results. By utilizing a robust dataset and state-of-the-art algorithms, the tool aims to deliver accurate and actionable insights.

2. **Problem Statement**

   Understanding the sentiment behind large volumes of text data can be challenging and time-consuming for businesses and individuals. Existing tools often require significant technical expertise or are not accessible to non-technical users. There is a need for a reliable, easy-to-use sentiment analysis tool that can quickly and accurately analyze text data to help users understand public opinion, customer feedback, and other textual information effectively.

3. **Proposed Solution vs. Existing Solutions**

   The proposed sentiment analysis tool will leverage modern machine learning techniques to provide accurate and real-time sentiment predictions through a user-friendly web interface. Unlike existing solutions, this tool aims to be more accessible and easier to use for individuals without technical expertise.

   Dataset: Kaggle Sentiment Analysis Dataset