


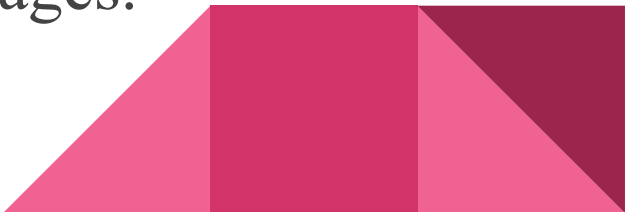
# Message Analysis

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# ABSTRACT

- ❖ Spam messages in inbox may lead to missed out of important messages.
  - ❖ Message Analysis separates the messages into spam messages and non-spam messages.
  - ❖ Non spam messages are categorized based on languages based on language detection.
  - ❖ Translate categorized message to desired language.
  - ❖ Reply to those messages are translate back to language of that message.
  - ❖ Auto spelling correction, check for grammatical errors.
  - ❖ To express reply in better way emoji will be suggested based on Sentiment Analysis.
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# OBJECTIVE

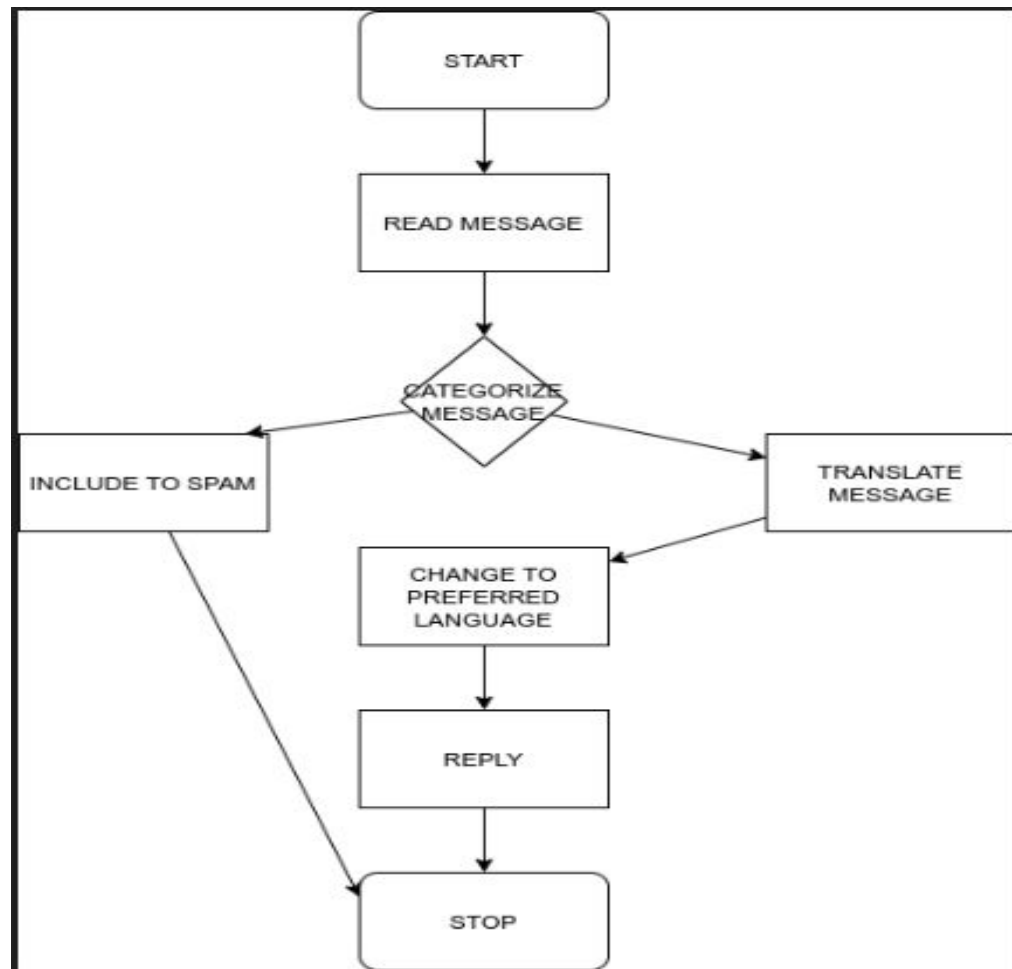
- ❖ To translate messages to desired language.
  - ❖ To convey messages in preferable language.
  - ❖ To include appropriate emojis to the sentences wherever needed.
  - ❖ To perform spell and grammar check.
  - ❖ To segregate spam and non - spam messages.
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# PROPOSED IDEA

- ❖ Segregate based on domain of sender mail ID.
- ❖ Translating messages using Natural Language Tool Kits.
- ❖ emoji will be suggested based on Sentiment Analysis.



# FLOW DIAGRAM



# REFERENCE

- ❖ <https://textblob.readthedocs.io/en/dev/>
- ❖ <https://pythonprogramming.net/sentiment-analysis-python-textblob-validator/>
- ❖ [https://en.wikipedia.org/wiki/Natural\\_language\\_processing](https://en.wikipedia.org/wiki/Natural_language_processing)



The background is a solid pink color. In the top right corner, there is a decorative pattern of overlapping geometric shapes, including triangles and squares, in various shades of pink and magenta.

Thank You