**Technical Design Document Template**

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**Date Created:** 9/15/2025

**Program Description:**

The program is creating a code where you have to write a email message, and if you state 1 of the 30 spam email words, you will get points deducted to tell if the email message is a spam message.

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** get\_spam\_keywords():

**Description:** States all 30 common spam words that would give the output a point if wrote

**Variables:** return[]

**Returns:** If the email message contains a spam message, a point will be given

2. **Function Name:** analyze\_message (message, spam\_keywords):

**Description:** States the score and found spam words

**Variables:** for word in spam\_keywords, if word in message\_lower

**Returns:** States the score at 0 and updates at +1 every time a spam word is stated

3. **Function Name:** rate\_spam(score):

**Description:** Returns in the output if the code is either not spam, slight chance of spam, likely spam, or definitely spam based on the amount of points the email got.

**Variables:** if, return, elif, else

**Returns:** The function returns a response of either not spam, slight chance of spam, likely spam, or definitely spam based on the amount of points the email got.

4. **Function Name:** main():

**Description:** Prints out all the words, score and ratings, what words trigger a point and if there was no spam words found.

**Variables:** print, if, input, for…in, else

**Returns:** The function returns the overall rating on how likely your email is a spam email.

**Logical Steps:**

Def get\_spam\_keywords(): to create all 30 spam word options

Def analyze\_message(message, spam\_keywords): to make the score start at 0 and what found words were spam.

Def rate\_spam(score): for the output to return to state how high of a chance the email was spam

Def main(): to print out all the words and messages

**Link to your repository:** <https://github.com/SethRoes/COP2373>

**Output Screenshot:**

**A screenshot of a computer

AI-generated content may be incorrect.**