Technical Design Document Template

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1. **Program Description:** 
   1. Prompts user to enter any number of sentences, then it relays each sentence and counts them back to the user
2. **Functions used in the Program (list in order as they are called):**
   1. **Function Name:** starter(sentence):
      1. **Description:**
         1. uses regular expression to find and return the sentences
      2. **Parameters:**
         1. sentence
      3. **Variables:**
         1. pat: holds the pattern for the input to be passed through
         2. final\_sentences: list that holds the formatted input and searches for the strings using re.findall
      4. **Logical Steps:**
         1. Get input from user
         2. Run input through pat variable
         3. Call variable sentence to find all letters
      5. **Returns:** sentence
   2. **Function Name:** main():
      1. **Description:**
         1. Prompts the user to input sentences and runs input function
      2. **Parameters:**
         1. none
      3. **Variables:**
         1. text: holds user prompt
         2. end: ends the loop for prompt
         3. userinput: contains user input
         4. final\_sentences: gets the input prepared for starter function
      4. **Logical Steps:**
         1. Prompt the user to input text and instructs them to typer ‘1’ when finished
         2. Initialize input as an empty string
         3. Collect user input in a loop
         4. Process the sentences
         5. Display each sentence
         6. Display total sentence count
      5. **Returns:** none
3. **Link to your repository:** https://github.com/AsianInvasion00/COP2373