

Working on this assignment was a valuable experience in applying regular expressions to practical text-processing tasks, which are highly relevant in maintaining and improving knowledge bases for support systems. Implementing functions like `FindCount`, `FindReplace`, and `ReplaceDouble` reinforced my understanding of regex patterns, such as using word boundaries, capturing groups, and case-insensitive global matching. These tools are powerful for cleaning up and enhancing textual data automatically, which is especially useful in IT support environments where consistency and clarity are crucial.

One challenge I faced was designing the `StartCap` function to correctly identify sentence boundaries and capitalize the first letter, especially considering that sentences may end with different punctuation marks followed by various whitespace characters. Another consideration was ensuring that special characters or unexpected formatting in the input text didn't cause the regular expressions to behave unpredictably. Overall, the assignment deepened my appreciation for the precision and flexibility of regular expressions in real-world programming scenarios.