In the *Mad Lib* assignment, the user will input a series of words and phrases and then be told a "story" in which those elements are inserted. Here is an example of such a story (don't use this one!) with the missing elements indicated.

> **The New Computer Game**
>
> For my birthday, I got a new computer game. It's really {adjective}! The main character wears {adjective} glasses, called the Multiple Perspecticles, that allow him to see what other people think. I have {past tense verb} it a lot since I got it. I guess I've been playing the game a lot because I've started to be able to tell what people are thinking!
>
> The other day, I forgot to take out the {singular noun} and it was really {adjective} in the {room}. I could tell just by looking at my mom that she was mad! Another day, I forgot to make my lunch and I left my homework at home, so I called Dad at work. I could tell even without seeing him that he was {adjective}.
>
> I think I may have on my own Multiple Perspecticles!

Assignment: Write a Mad Lib program with the the following.

1. An introduction giving the name of the program and a brief explanation of what a Mad Lib is.
2. A Menu giving the choice of at least two named Mad Libs plus the option to quit. (Use *strings* to take in the menu choice so that there is no possibility of the programming crashing.)
3. Validation of the menu choice.
4. Each Mad Lib should have at least seven missing elements. The user will be prompted to give these; for example, "Enter a past tense verb: " or "Enter an adjective: " . (You don't need to validate the input.)
5. After the user input, the Mad Lib should be displayed with the user's elements inserted.
6. Ask whether the user wants to play again or not. If so, the program should post the original menu.
7. Your program should include documentation of its various sections and purposes.

Here is a brief grammar tutorial.

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NOUNS
A noun is a word that names a person, a place, or a thing.
A noun that names only one person, place, or thing is a singular noun.
A noun that names more than one is called a plural noun.

ADJECTIVES
An adjective is a word that describes a noun.
An adjective can tell what kind or how many.

VERBS
A verb is a word that can show action.
When a verb tells what people or things do it is called an action verb.
A present tense verb shows action that is happening now.
A past tense verb shows action that has already happened.
A future tense verb shows action that will happen.

ADVERBS
An adverb is a word that describes a verb.
An adverb can tell how, when, or where.

EXCLAMATIONS
An exclamation is a word, phrase, or sentence that shows strong feeling.
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