TESTS OF COMPLETE, WORKING PROGRAM

File Name: final_project.cpp
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Description: Test complete program given a few input scenarios.
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The following tests were run locally and on the Flip server:

Scenario 1: Test input handling of input file (DocuWiki text file)that contains a syntax error.

      Expected Result: Program does not produce json file and exits with syntax error message.
      Acutal result confirms expected result.

      Command-Line:
ben@ubuntu:~/Public/final project$ ./final 04-gods-covenant-with-abraham.txt
Parsing "04-gods-covenant-with-abraham.txt"...

error: Current file syntax

Scenario 2: Test input handling of incorrect filename given on CLI.

      Expected Result: Program does not produce json file and exits with error message.
      Acutal result confirms expected result.

      Command-Line:
ben@ubuntu:~/Public/final project$ ./final 01-the-creation

error: input filename #1, "01-the-creation", must be a text file (*.txt).

Scenario 3: With no ClI errors or errors in the DocuWiki file itself, test successful conversion to Json file.

      Expected Result: Command-line output as show below, and the following files created in the working directory:
            01-the-creation.json
            02-sin-enters-the-world.json
            03-the-flood.json

      Command-Line:

ben@ubuntu:~/Public/final project$ ./final 01-the-creation.txt 02-sin-enters-the-world.txt 03-the-flood.txt
Parsing "01-the-creation.txt"...
File #1 01-the-creation.json
  successfully created.
Parsing "02-sin-enters-the-world.txt"...
File #2 02-sin-enters-the-world.json
  successfully created.
Parsing "03-the-flood.txt"...
File #3 03-the-flood.json

successfully created.

Would you like to choose a random *.json file to view its contents? (y/n)
        View file (y) or exit program (n): y
The contents of "01-the-creation.json":

```
{
        "title":" 1. The Creation ",
        "picTextPairs":[
                {"picture":"/en/obs/obs-01-01.jpg?nolink&640x360",
                 "text":"This is how the beginning of everything happened. God created the universe and
everything in it in six days. At first, the earth was dark and empty, and nothing had been formed in it. But God's
Spirit was there over the water."},

                {"picture":"/en/obs/obs-01-02.jpg?nolink&640x360",
                 "text":"Then God spoke and said, \"Let there be light!\" And there was light. God saw that the
light was good and called it \"day.\" He separated it from the darkness, which He called \"night.\" God created
the light on the first day of creation."},

                {"picture":"/en/obs/obs-01-03.jpg?nolink&640x360",
                 "text":"On the second day of creation, God spoke and created the sky above the earth."},

                {"picture":"/en/obs/obs-01-04.jpg?nolink&640x360",
                 "text":"On the third day, God spoke and separated the water from the dry land. He called the dry
land \"earth,\" and He called the water \"seas.\""}

        ],
        "footer":"A Bible story from: Genesis 1-2"
}
```

Scenario 4: Test a run of the program that produces some Json files but then exits with an input file syntax error. File #1 and #2 have no errors. File #3 has a syntax error: missing an end bracket '}'.

        Expected result:
                01-the-creation.txt parsed and 01-the-creation.json created.
                02-sin-enters-the-world.txt parser and 02-sin-enters-the-world.json created.
        Acutal result confirms expected result.

        Command-Line:
ben@ubuntu:~/Public/final project$ ./final 01-the-creation.txt 02-sin-enters-the-world.txt 04-gods-covenant-with-abraham.txt
Parsing "01-the-creation.txt"...
File #1 01-the-creation.json
  successfully created.
Parsing "02-sin-enters-the-world.txt"...
File #2 02-sin-enters-the-world.json
  successfully created.
Parsing "04-gods-covenant-with-abraham.txt"...

error: Current file syntax

Scenario 5: Test a run of the program that prints a message to the user about how to use the program.

        Command-Line:
ben@ubuntu:~/Public/final project$ ./final

Usage: ./final <file1>.txt (<file2>.txt...)

This will parse the given file(s) and create json files containing their data.
For example, given filename story1.txt, this will produce story1.json in the working directory.

Each input file must end in .txt
The expected format of each DocuWiki input file, <story>.txt, is as follows:
====== Title ======

{{dir:subdir:...pic1.jpg}}

Test corresponding to above picture link.

{{dir:subdir:...pic2.jpg}}

Test corresponding to above picture link.
...and so on, to the end of the story, followed by...

//footer text//