String Calculator

The string calculator is a relatively small assignment that focuses primarily on writing decent unit tests. For this assignment you are to write a function that can add numbers taken from a string.
E.g.: Add("1,2") will return 3.

The idea is to make this assignment "test first". So please start with a test that tests:
Add("")   *(for inspiration, please look at tests from previous assignments)*
This must result in the value 0. Check if the test fails!
Now make the simplest implementation for Add to make the test succeed.

The following test is: Add("1") which must result in value 1. Check if the test fails!
Now rewrite Add to the simplest solution you can think of to make both tests succeed. Hint: the `atoi` function can be used to convert a string to an integer value. Look in the man page to see how it works and what it returns. Please do not use either `strtok` or `strsep`: they have several disadvantages (look at the 'bugs' section in their man pages to find out).

Please add tests (then check if they fail and then implement!) until the Add function works like it should. Congratulations, you are now ready for the additional requirements:

- Negative numbers and numbers between (including) 1001 and 1111 must be ignored
- The delimiter (',' in the above example) can be any character that is not a digit
- The delimiter can be more than one character