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Generated: Wed Oct 6 13:51:47 EDT 2010
rm -f Concordance.o wordlist.o Concordance split_t.o split_t words_t.o words_t
g++ -c Concordance.cpp
q++ -c wordlist.cpp
g++ Concordance.o wordlist.o -o Concordance
make test
g++ -c split_t.cpp
g++ split_t.o wordlist.o -o split_t
g++ -c words_t.cpp
g++ words_t.o wordlist.o -o words_t
./split t
blankString_resultEmptyVector_test... Passed
simpleSplit resultVectorWithWords test... Passed
multipleDelimiter_resultVectorWithWords_test... Passed
./words t
blankString resultEmptyVector test... Passed
sortUniqueWords_resultSortedWordList_test... Passed
someDuplicateWords_resultUniqueWordList_test... Passed
./words_t
blankString_resultEmptyVector_test... Passed
sortUniqueWords_resultSortedWordList_test... Passed
someDuplicateWords_resultUniqueWordList_test... Passed
./split_t
blankString_resultEmptyVector_test... Passed
simpleSplit resultVectorWithWords test... Passed
multipleDelimiter_resultVectorWithWords_test... Passed
rm -f Concordance.o wordlist.o Concordance split t.o split t words t.o words t
rsbauer/Projects/Project1/Concordance/Concordance.cpp:
       Concordance.cpp
       The purpose of this program is to text (through standard input) and create
       a list of sorted, unique, words in the text. You will solve this problem by
       implementing the following functions:
    * split - given text as a string and a string of splitter characters,
               returns a vector of strings in the text
    * words - given a vector of words, returns a vector of unique, sorted words
       Robert S Bauer
       rbauer@tekro.com
#include <iostream>
#include <string>
#include <vector>
#include "wordlist.hpp"
// display a token
```

```
void displayToken(const std::string &);
int main()
        int input;
        std::string sentence = "";
        std::cout << "Please enter a sentence for concordance calculation\n: ";
        // grab some input
        while((input = std::cin.get()) != '\n')
                sentence.push_back(input);
        // calculate concordance
        std::vector<std::string> tokens = words(sentence);
        // display the results
        for_each(tokens.begin(), tokens.end(), displayToken);
       return 0;
// Display a token
void displayToken(const std::string &token)
        std::cout << token << "\n";
rsbauer/Projects/Project1/Concordance/wordlist.hpp:
        wordlist.hpp
        Declaration of word list functions
        Robert S. Bauer
        rbauer@tekro.com
#ifndef INCLUDED_WORDLIST_HPP
#define INCLUDED_WORDLIST_HPP
// split string into a vector based on the chars to split on
std::vector<std::string> split(const std::string &, const std::string &);
// return a vector of unique, sorted words
// by default splits on space and .,;:!? characters
std::vector<std::string> words(const std::string &);
rsbauer/Projects/Project1/Concordance/wordlist.cpp:
        wordlist.cpp
        Implement Concordance functions
        Robert S. Bauer
        rbauer@tekro.com
#include <string>
#include <vector>
#include <iostream>
```

```
// split words by the following characters
                                                                                          int main()
const std::string SPLIT_ON_CHARS = " .,;:!?";
                                                                                                 blankString_resultEmptyVector_test();
       Given text as a string and a string of splitter characters, returns a vector
                                                                                                 sortUniqueWords_resultSortedWordList_test();
                                                                                                 someDuplicateWords_resultUniqueWordList_test();
       of strings in the text
std::vector<std::string> split(const std::string &sentence, const std::string &splitOn/
                                                                                                 return 0;
                                                                                          // Test passing in blank string for both the string to split and the
        char *ptrToken;
        char *sentence2split = strdup(sentence.c str());
                                                                                          // string defining the characters to split on
        std::vector<std::string> tokens;
                                                                                          void blankString_resultEmptyVector_test()
        // loop through the tokens storing them and checking if out of tokens
                                                                                                  std::cout << "blankString_resultEmptyVector_test... ";</pre>
       while((ptrToken = strtok(sentence2split, splitOn.c_str())) != NULL)
                                                                                                 std::vector<std::string> tokens = words("");
                                                                                                 // check the size
                tokens.push_back(ptrToken);
                                                                                                 assert(tokens.size() == 0);
                // need to reset sentence2split so the next token can be retrieved
                                                                                                 assert(tokens.empty());
                sentence2split = NULL;
                                                                                                 passed();
       free(sentence2split);
                                                                                          // try sorting a word list that already contains unique words
       return tokens;
                                                                                          void sortUniqueWords_resultSortedWordList_test()
                                                                                                  std::cout << "sortUniqueWords_resultSortedWordList_test...";</pre>
                                                                                                 std::vector<std::string> tokens = words("cc bb aa");
// given a string, return a vector of unique, sorted words
std::vector<std::string> words(const std::string &sentence)
                                                                                                 // check the size and contents
        std::vector<std::string>::iterator it;
                                                                                                 assert(tokens.size() == 3);
                                                                                                 assert(tokens[0] == "aa");
       std::vector<std::string> words = split(sentence, SPLIT_ON_CHARS);
                                                                                                 assert(tokens[2] == "cc");
       std::sort(words.begin(), words.end());
                                                                                                 passed();
       // use default comparison
       it = std::unique(words.begin(), words.end());
                                                                                          // test everything - sorting and listing only unique words
       words.resize(it - words.begin());
                                                                                          void someDuplicateWords_resultUniqueWordList_test()
                                                                                                  std::cout << "someDuplicateWords_resultUniqueWordList_test...";</pre>
       return words;
rsbauer/Projects/Project1/Concordance/words_t.cpp:
                                                                                                 std::vector<std::string> tokens = words("aa cc bb cc bb aa");
                                                                                                 // check the size and contents
        split t.cpp
                                                                                                 assert(tokens.size() == 3);
                                                                                                 assert(tokens[0] == "aa");
       Word list method unit tests
                                                                                                 assert(tokens[2] == "cc");
       Robert S. Bauer
                                                                                                 passed();
       rbauer@tekro.com
                                                                                          // let the user know the test passed
#include <cassert>
                                                                                         void passed()
#include <iostream>
#include <vector>
                                                                                                 std::cout << "Passed\n";
#include <string>
#include "wordlist.hpp"
                                                                                         rsbauer/Projects/Project1/Concordance/split t.cpp:
void blankString_resultEmptyVector_test();
void someDuplicateWords resultUniqueWordList test();
                                                                                                  split t.cpp
void sortUniqueWords resultSortedWordList test();
void passed();
                                                                                                 Split method unit tests
```

```
Robert S. Bauer
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#include <cassert>
#include <iostream>
#include <vector>
#include <string>
#include "wordlist.hpp"
void blankString resultEmptyVector test();
void simpleSplit_resultVectorWithWords_test();
void multipleDelimiter resultVectorWithWords test();
int main()
       blankString_resultEmptyVector_test();
        simpleSplit_resultVectorWithWords_test();
       multipleDelimiter resultVectorWithWords test();
       return 0;
// Test passing in blank string for both the string to split and the
// string defining the characters to split on
void blankString_resultEmptyVector_test()
        std::cout << "blankString_resultEmptyVector_test...";</pre>
       std::string testString = "";
       std::vector<std::string> tokens = split(testString, testString);
       assert(tokens.size() == 0);
       assert(tokens.empty());
       std::cout << "Passed\n";
// Perform some simple string splits using one character to split on
void simpleSplit resultVectorWithWords test()
        std::cout << "simpleSplit_resultVectorWithWords_test...";</pre>
       std::string testString = "This is a test";
        std::string splitOn = " ";
       std::vector<std::string> tokens = split(testString, splitOn);
       // check the size and contents
       assert(tokens.size() == 4);
       assert(!tokens.empty());
       assert(tokens[0] == "This");
       assert(tokens[3] == "test");
       std::cout << "Passed\n";
// Test if splitting with multiple delimiters work
void multipleDelimiter resultVectorWithWords test()
        std::cout << "multipleDelimiter resultVectorWithWords test...";</pre>
       std::string testString = "This,is.a:test";
       std::string splitOn = ":..";
       std::vector<std::string> tokens = split(testString, splitOn);
       // check the size and contents
       assert(tokens.size() == 4);
```

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assert(!tokens.empty());
       assert(tokens[0] == "This");
       assert(tokens[3] == "test");
       std::cout << "Passed\n";
rsbauer/Projects/Project1/Concordance/Makefile:
# Project 1: Concordance
# Robert S Bauer
# rbauer@tekro.com
all : Concordance
Concordance : Concordance.o wordlist.o
       g++ Concordance.o wordlist.o -o Concordance
Concordance.o : Concordance.cpp
       g++ -c Concordance.cpp
wordlist.o : wordlist.cpp wordlist.hpp
       g++ -c wordlist.cpp
split_t : split_t.o wordlist.o
       g++ split_t.o wordlist.o -o split_t
split_t.o : wordlist.cpp wordlist.hpp split_t.cpp
       g++ -c split_t.cpp
words_t : words_t.o wordlist.o
       g++ words_t.o wordlist.o -o words_t
words_t.o : wordlist.cpp wordlist.hpp words_t.cpp
       g++ -c words_t.cpp
test : split t words t
       ./split_t
       ./words t
testsplit : split_t
       ./split t
testwords : words t
       ./words t
clean :
       rm -f Concordance.o wordlist.o Concordance split t.o split t words t.o words t
r586 | rsbauer | 2010-09-23 18:47:10 -0400 (Thu, 23 Sep 2010) | 1 line
Quick fix: extracted string to const and added comments
_____
r582 | rsbauer | 2010-09-23 18:39:58 -0400 (Thu, 23 Sep 2010) | 1 line
Added a constant for word split chars
r145 | rsbauer | 2010-09-12 11:32:33 -0400 (Sun. 12 Sep 2010) | 1 line
Concordance executable working. Added comments to unit tests and wordlist.cpp
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r144 | rsbauer | 2010-09-12 11:05:27 -0400 (Sun, 12 Sep 2010) | 1 line
Words unit tests added. words() method working
r143 | rsbauer | 2010-09-12 07:44:06 -0400 (Sun, 12 Sep 2010) | 1 line
Function signature changed (returning vector, not passing one in. Updated split().
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r137 | rsbauer | 2010-09-11 16:13:40 -0400 (Sat, 11 Sep 2010) | 1 line
Updated words t.cpp so make test would compile without error
r136 | rsbauer | 2010-09-11 16:11:01 -0400 (Sat, 11 Sep 2010) | 1 line
Refactored the comments
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r135 | rsbauer | 2010-09-11 15:56:12 -0400 (Sat, 11 Sep 2010) | 1 line
Split function working. Unit tests added. Updated makefile to rebuild if split_t.cpp i/
s updated.
r134 | rsbauer | 2010-09-11 13:25:47 -0400 (Sat, 11 Sep 2010) | 1 line
Split t tests were not working - fixed
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r133 | rsbauer | 2010-09-11 13:18:09 -0400 (Sat, 11 Sep 2010) | 1 line
Build error in split_t.cpp when refactored
______
r132 | rsbauer | 2010-09-11 13:16:12 -0400 (Sat, 11 Sep 2010) | 1 line
SVN property changes
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r131 | rsbauer | 2010-09-11 13:02:59 -0400 (Sat, 11 Sep 2010) | 1 line
Split unit test setup and working.
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r130 | rsbauer | 2010-09-11 12:43:13 -0400 (Sat, 11 Sep 2010) | 1 line
Mocking slit function. Added comments to project files.
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r90 | rsbauer | 2010-09-10 07:30:20 -0400 (Fri, 10 Sep 2010) | 1 line
Make file built and simple hello world added to concordance - build works and concordar
nce runs
r30 | collard | 2010-09-07 18:11:34 -0400 (Tue, 07 Sep 2010) | 1 line
Setup of accounts for Project 1
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