

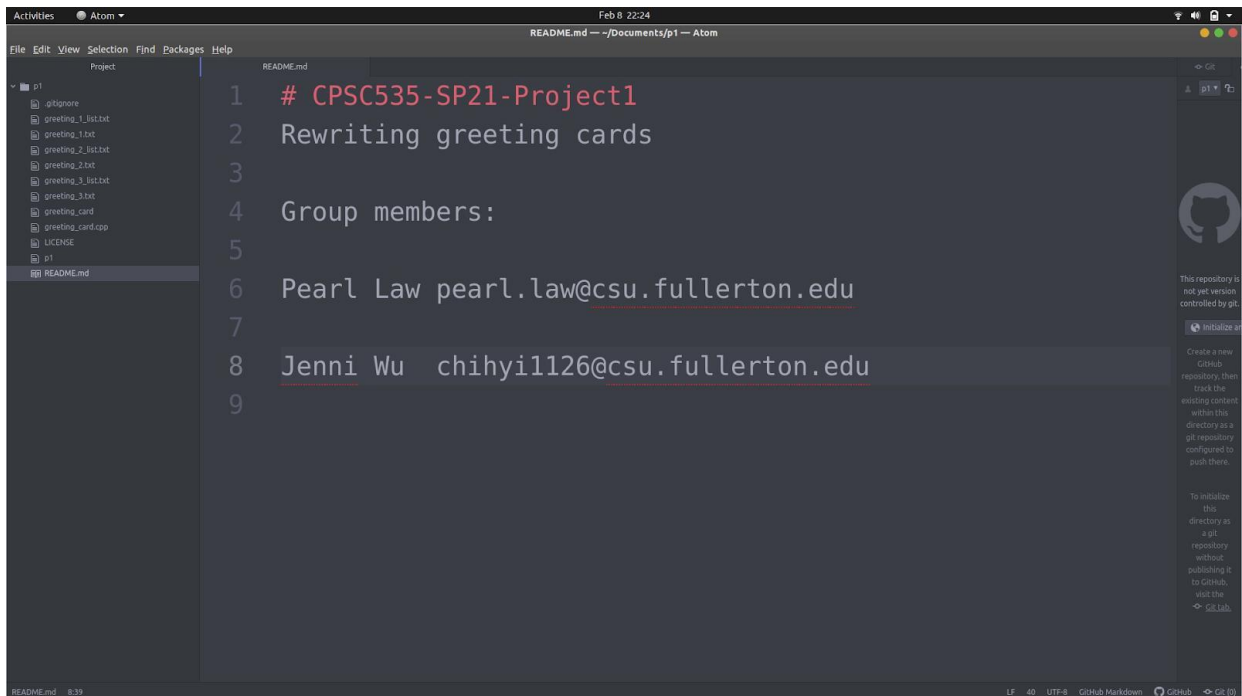
CPSC535-SP21-Project1

1. Group members:

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2. Group member names README.md in Atom.



3. The pseudocode for the algorithms

Rewriting Greeting Cards Pseudocode:

def greeting_card_template(s, ls):

{

 open(my_file.txt) // open text file

 s = contents in my_file.txt // set file contents equal to s

 new_s = "" // store new

 greeting n = s.length() //

 length of s

 m = ls.length() // length of m

 for (int i = 1; i <= ne.length(); i++) {

 vec.push_back(-1);

 }

 for j = 0 to m-1 do

 for i = 0 to n-1 do

 found = s.find(ls[j].first);

```

        while (s.find(ls[j].first)) // match found
            vec[found] = j;
            found = ne.find(ls[j].first, found+ls[j].first.length());
        endwhile
    endfor
endfor

for i = 0 to n-1 do
    if (vec[i] == -1) //no change
        result + ne.substr(i, 1);
    endif
    else
        for j = 0 to m-1 do
            if (vec[i] == j) {
                result + ls[j].second;
                i = i + ls[j].first.length() -1;
            }
        endfor
    endif
endfor

```

4. A brief description on how to run the code.

Compile file using g++ compiler: `g++ -o filename filename.cpp -std=c++11`

Run: `./filename textfile1.txt textfile2.txt`

* Note: textfile1.txt contains the user input string, textfile2.txt contains the list of keyword pairs to generate a new greeting

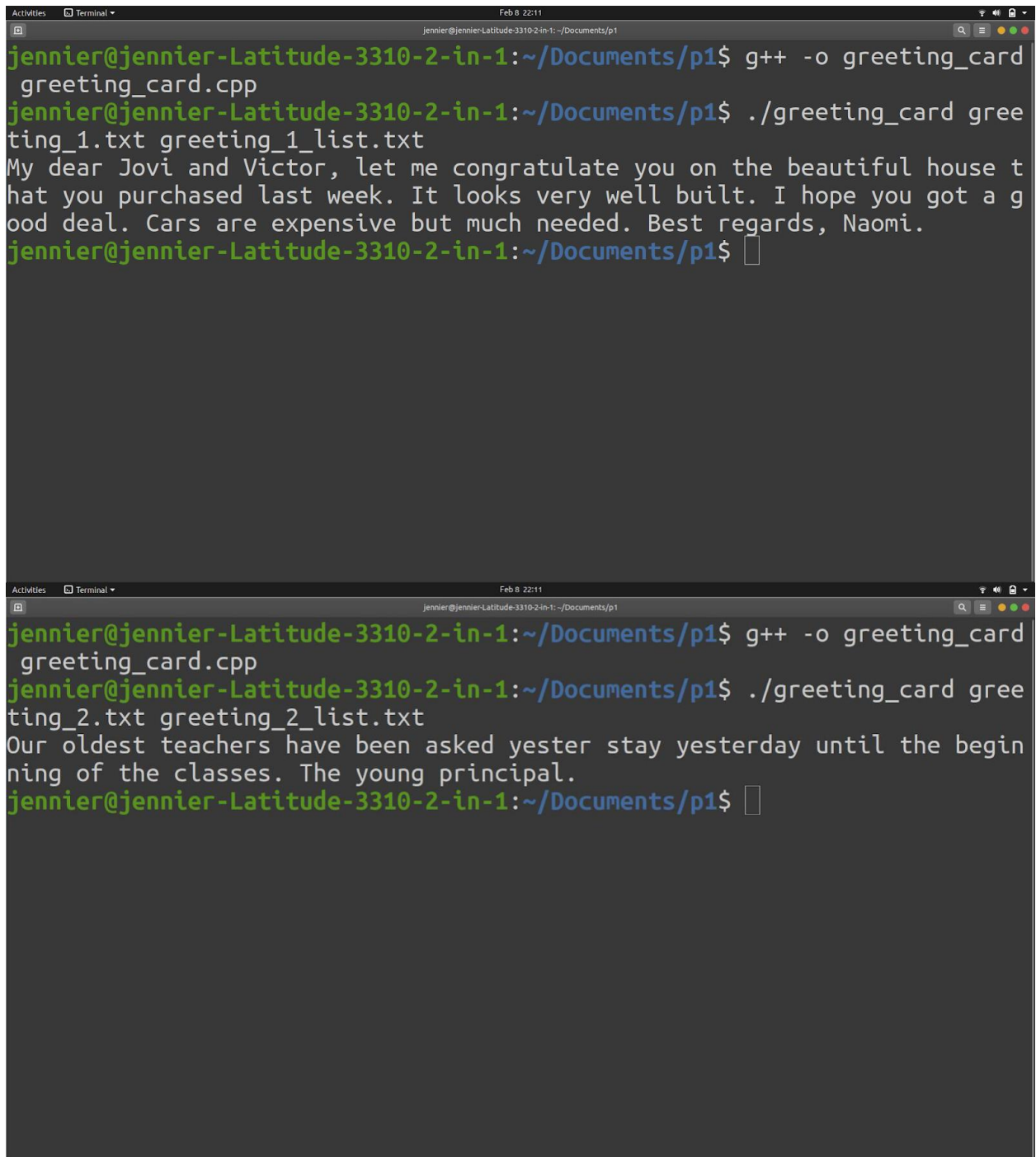
Example:

`g++ -o greeting_card greeting_card.cpp -std=c++11`

`./greeting_card greeting_1.txt greeting_1_list.txt`

* Note: For all text files in this project, user input string is stored in greeting_[number].txt and list of keyword pairs is stored in greeting_[number]_list.txt

5. Three snapshots of code executing for the three given examples.



```
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$ g++ -o greeting_card
greeting_card.cpp
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$ ./greeting_card gree
ting_1.txt greeting_1_list.txt
My dear Jovi and Victor, let me congratulate you on the beautiful house t
hat you purchased last week. It looks very well built. I hope you got a g
ood deal. Cars are expensive but much needed. Best regards, Naomi.
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$

jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$ g++ -o greeting_card
greeting_card.cpp
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$ ./greeting_card gree
ting_2.txt greeting_2_list.txt
Our oldest teachers have been asked yester stay yesterday until the begin
ning of the classes. The young principal.
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$
```

```
Activities Terminal Feb 8 22:10
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$ g++ -o greeting_card
greeting_card.cpp
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$ ./greeting_card gree
ting_3.txt greeting_3_list.txt
Our oldest teachers have been asked yester stay yesterday until the begin
ning of the classes. The young principal.
jennier@jennier-Latitude-3310-2-in-1:~/Documents/p1$
```