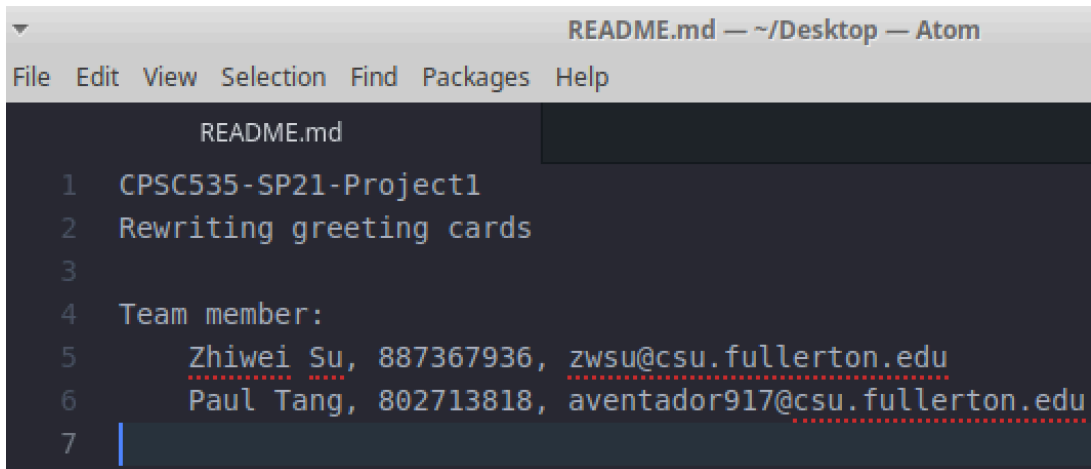


# Project 1 Report

## Rewriting greeting cards

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- Full-screenshot



```
README.md — ~/Desktop — Atom
File Edit View Selection Find Packages Help

README.md
1 CPSC535-SP21-Project1
2 Rewriting greeting cards
3
4 Team member:
5   Zhiwei Su, 887367936, zwsu@csu.fullerton.edu
6   Paul Tang, 802713818, aventador917@csu.fullerton.edu
7
```

- Pseudocode

Initial StringBuilder newECards

Initial HashMap hm

String[] words = S.split(" ")

For i from 0 to m-1:

    if ( hm.containsKey(LS.get(i)) ) :  
        hm.put(LS.get(i)[0], LS.get(i)[1])

    End if

End for

For i from 0 to words.length - 1:

    String currWord

    If (lastCharacter not a letter from 'A' to 'z') :  
        remove the last character of currWord

    End if

    if (hm.containsKey(currWord)):  
        newECards.append(hm.get(currWord))

    else:

        if (last character is 's', and hm.containsKey(currWord)):  
            currWord = hm.get(currWord without last character) + 's'

```

        End if
        if (last character is 'est', and hm.contains(currWord )):
            currWord = hm.get(currWord without last 3 characters) + 'est'
        End if
    End if

    if (lastCharacter is not a letter):
        newECards.append(lastCharacter)
    End if

    newECards.append(' ')
End for

return newECards

```

- How to run the code
  1. In Visual Studio Code, open the folder where greetingECards.java is in.
  2. Click Run.
  3. See result in terminal.
- Snapshots of code executing testcases

```

/redhat.java/jdt_ws/project1_2a9689e6/bin" greetingECards
*****TEST CASE 1*****
INPUT ECARDS:
-----
My dear Anna, let me congratulate you on the beautiful car that you purchased today. It looks very posh. I hope you got a good deal. Cars are expensive but much needed. Best regards, Naomi.
-----
NEW ECARDS:
-----
My dear Jovi and Victor, let me congratulate you on the beautiful house that you purchased last week. It looks very well built. I hope you got a good deal. Cars are expensive but much needed. Best regards, Naomi.
-----

*****TEST CASE 2*****
INPUT ECARDS:
-----
Our newest students have been asked to stay today until the end of the classes. The old principal.
-----
NEW ECARDS:
-----
Our oldest teachers have been asked yester stay yesterest until the beginning of the classes. The young principal.
-----

*****TEST CASE 3*****
INPUT ECARDS:
-----
The campus is on the site of former citrus groves in northeast Fullerton. It is bordered on the east by the Orange Freeway (SR-57), on the west by State College Boulevard, on the north by Yorba Linda Boulevard, and on the south by Nutwood Avenue.
-----
NEW ECARDS:
-----
The campus is on the site of current citrus groves in northeast Irvine. It is bordered on the west by the Apple Freeway (SR-57), on the west by State College Boulevard, on the south by Yorba Linda Boulevard, and on the south by Nutwood Avenue.
-----
bash-3.2$

```