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1  //David Schmidt
2  //CIS1154
3  //3-17-2017
4  //This program shows a Contact list.
5
6  import java.util.*; //for iterator later on
7  import java.io.*;
8  public class ListDriver
9  {
10     private static char getMenuChoice()
11     {
12         Scanner s = new Scanner (System.in);
13         System.out.println("U Upflip");
14         System.out.println("D Downflip");
15         System.out.println("A Add New Contact");
16         System.out.println("R Remove Existing Contact");
17         System.out.println("Q Quit");
18
19         System.out.print("Enter your choice: ");
20         char choice = s.next().charAt(0);
21         return choice;
22     } //getMenuChoice
23
24     public static void getList(LinkedList list) throws IOException
25     {
26         String firstname;
27         String lastname;
28         String number;
29         String pic;
30
31         File inputFile = new File("FunnyNames.txt");
32         Scanner file = new Scanner( inputFile );
33
34         for (int i = 0; i < 10; i++)
35             //while (file.hasNext())
36             {
37                 firstname = file.next();
38                 lastname = file.next();
39                 number = file.next();
40                 pic = file.next();
41                 System.out.println(firstname + lastname + number + pic);
42                 Contact c = new Contact(firstname, lastname, number, pic);
43                 list.addAlpha(c);
44             } //while
45         System.out.println("End of file");
46         file.close();
47     }
48
49     public static void main (String[] args) throws IOException
50     {
51
52         LinkedList<Contact> list = new LinkedList<Contact>();
53         getList(list);
54         //ASSERT: the list is created and the file has been loaded in alpha order
55
56         Scanner s = new Scanner (System.in);
57         String firstname, lastname, number, pic;
58         char choice = getMenuChoice();
59         while (choice != 'Q')
60         {
61             switch (choice)
62             {
63                 case 'U': System.out.println(list); break;
64                 case 'D': System.out.println("Picked downflip");
65                     list.reverse();
66                     System.out.println(list);
67                     break;
68                 case 'A': System.out.print("Enter new contact: ");
69                     System.out.print("Enter firstname: ");

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70         firstname = s.next();
71         System.out.print("Enter lastname: ");
72         lastname = s.next();
73         System.out.print("Enter number: ");
74         number = s.next();
75         System.out.print("Enter pic: ");
76         pic = s.next();
77         list.addAlpha(new Contact(firstname, lastname, number, pic));
78         break;
79     case 'R': System.out.println("Picked remove");
80         System.out.print("Enter firstname: ");
81         firstname = s.next();
82         System.out.print("Enter lastname: ");
83         lastname = s.next();
84         System.out.print("Enter number: ");
85         number = s.next();
86         System.out.print("Enter pic: ");
87         pic = s.next();
88         list.remove(new Contact(firstname, lastname, number, pic));
89         break;
90     } //switch
91
92     choice = getMenuChoice();
93 } //while
94
95 } //main
96
97 } //ListDriver
98
```