

```

1 package Repository;
2
3 import java.util.ArrayList;
4
5 public class CategoryRepository {
6
7     private static ArrayList<String> listOfCategories = new ArrayList<String>();
8     private static CategoryRepository categoryRepository=new CategoryRepository
9     ();
10
11     private CategoryRepository(){
12
13         listOfCategories=DbUtils.DbCategories.loadListOfStrings();
14         checkAddNoCategory();
15     }
16
17     public static ArrayList<String> getListOfCategories(){
18         return listOfCategories;
19     }
20
21     public static void addCategories(String newCategory){
22         boolean flag=false;
23         for(String element:listOfCategories){
24             if(element.toUpperCase().equals(newCategory.toUpperCase())){
25                 flag=true;
26                 break;
27             }
28         }
29         if(flag==false){
30             listOfCategories.add(newCategory);
31             DbUtils.DbCategories.saveListOfStrings(listOfCategories);
32         }
33     }
34
35     public static boolean doesCategoryExists(String newCategory){
36         boolean does=false;
37
38         for (String category :listOfCategories){
39             if (newCategory.equals(category)){does=true;}
40         }
41         return does;
42     }
43
44     private static void checkAddNoCategory() {
45         boolean isNoCategory = false;
46         for (String category : listOfCategories) {
47             if (category.equals("NOCATEGORY")) {
48                 isNoCategory = true;
49             }
50         }
51         if (!isNoCategory) {
52             listOfCategories.add(0, "NOCATEGORY");
53         }
54     }

```

```
55  
56 }  
57  
58  
59  
60
```