

AuthService.java

```
1 package project;
2
3 import java.util.ArrayList;
4
5
6
7 /* This service is used to store the Designated users and Authenticate user's
   credentials */
8 public class AuthService {
9     private List<User> users;
10
11     public AuthService(){
12         createUsers();
13     }
14
15     private void createUsers(){
16         users=new ArrayList<>();
17         User user=new User("Guest","password","Author",ACL.GUEST);
18         users.add(user);
19         user=new User("Reader","password","Reader",ACL.READER);
20         users.add(user);
21         user=new User("Analyst","password","Editor",ACL.EDITOR);
22         users.add(user);
23         user=new User("Admin","password","Admin",ACL.ADMIN);
24         users.add(user);
25
26     }
27
28     /*This method is called whenever a user need to get Authenticated */
29     public Optional<String> Authenticate(User loggedUser){
30
31         Optional<String> acl=users.stream()
32             .filter(user -> user.equals(loggedUser))
33             .map(user -> user.getAccessLevel())
34             .findFirst();
35
36
37         return acl;
38     }
39 }
40
```