```
1 package use case controller;
3 import java.text.ParseException;
13 / * *
14 * Class Driver to launch the case management system.
15 * @author Daria Vekic (Student ID: 586661)
17 */
18 public class Driver {
19
20
21
       * Method main to launch system
22
       * @param args
23
       * @throws ParseException thrown if date cannot be parsed
2.4
25
      public static void main(String[] args) throws ParseException {
26
          launch();
27
      } //end method main
28
29
30
       * Method to start the case management system.
31
       * Calls methods to add pre-populated data to system.
32
33
      static void launch() throws ParseException {
34
          //FileIO instance for reading/writing to file
          FileIO fileHandler = new FileIO();
35
36
          fileHandler.createPaths();
37
          //Declare and initialize data structures
38
          ArrayList<Case> cases = new ArrayList<Case>();
39
          ArrayList<Client> clients = new ArrayList<Client>();
40
          ArrayList<Employee> employees = new ArrayList<Employee>();
41
          fillEmpList(employees);
42
          fillCaseList(cases, employees);
43
          fillClientList(clients, cases);
44
          HashMap<String, String> loginsMap = new HashMap<String, String>();
45
          setAllPasswords(loginsMap); //unames and pwords to be written to file
46
          fileHandler.writeToFile(loginsMap);
47
          initializeView(employees, clients, cases); //launch the GUI
      } //end method initialiseData
48
49
50
51
       * Method to construct the interface for user to interact with.
52
       * @param employees the List of Employee objects
53
       * @param clients the List of Client objects
54
       * @param cases the List of Case objects
55
56
      static void initializeView(ArrayList<Employee> employees, ArrayList<Client> clients, ArrayList<Case> cases) {
57
          LogInInterface login = new LogInInterface(employees, clients, cases);
58
      } //end method initializeView
59
60
61
       * Method to fill Map with login credentials required to access system.
62
       * Password can be updated by user.
```

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115
        * @param cases the List to add elements to
116
        * @param employees the List required to link a Case to an Employee
117
118
      static void fillCaseList(ArrayList<Case> cases, ArrayList<Employee> employees) {
119
           cases.add(new Case("Doe v Smith", CaseType.CRI, "Accused of theft", employees.get(0)));
           cases.add(new Case("Batman v Superman", CaseType.CRI, "Accused of theft", employees.get(1)));
120
           cases.add(new Case("Bruce v Wayne", CaseType.PIN, "Industrial accident", employees.get(2)));
121
122
           cases.add(new Case("Twitch v McCool", CaseType. CRI, "Accused of assault", employees.get(3)));
123
           cases.add(new Case("Sunak v Johnson", CaseType.IMM, "Home Office appeal", employees.get(4)));
124 } //end method fillCaseList
125 } //end class Driver
```