**IMS | Insurance Management System**

**Instructions:**

* To run this program in your system you have to install java development kit (jdk) in your system.
* After jdk installation, you have to make sure that you have a proper Integrated Development Environment (IDE) like Eclipse or Intellij in your system.
* Open your ide and import this project in your system.
* After importing, you have to set VM options for this project where you have to put the javeFx file path.
* Add javaFx liberary in your project.
* Try to run the program if it is working then its alright if is giving an error for json then you have to add simple-json library in your project in order to fetch data from input.json file.
* Now, try running the project, wait for build and it will show output in the form of GUI.
* After successful build, a log in window will come up for username and password. Fetching username and password from input.json file where username = admin and password = admin.
* After log in, main window will come up with several buttons, in the sell section of main window, click any relevant button for the data to be stored in database.
* In view section of main window, click the relevant button to display the details or record stored.
* Data is stored in arraylist and insurances.txt file.

**Design Patterns:**

In our project we used the following design patterns :

1. Template Design Pattern:  
   Following are the java files that are included in template design pattern:

* Insurance
* Car Insurance
* Apartment Insurance
* Health Insurance
* Life Insurance

1. Data Access Object Design Pattern:  
   Following are the java files that are included in this design pattern:
   * Insurance
   * InsuranceDao
   * InsuranceDaoImp
   * EXTRA
2. Singleton Design Pattern:  
   Following is the file that is included in singleton design pattern:
   * InsuranceDaoImp

**Screenshots of program:**

**Graphical user interface, application

Description automatically generated**

Diagram

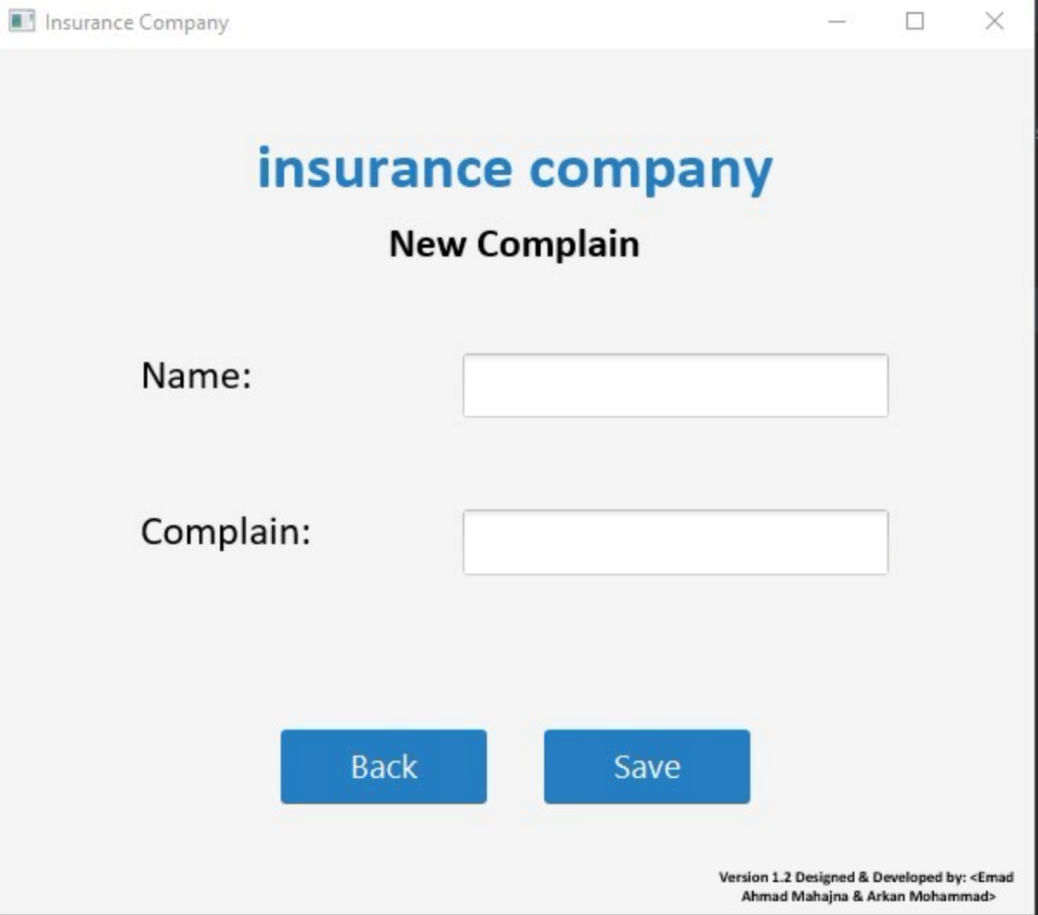
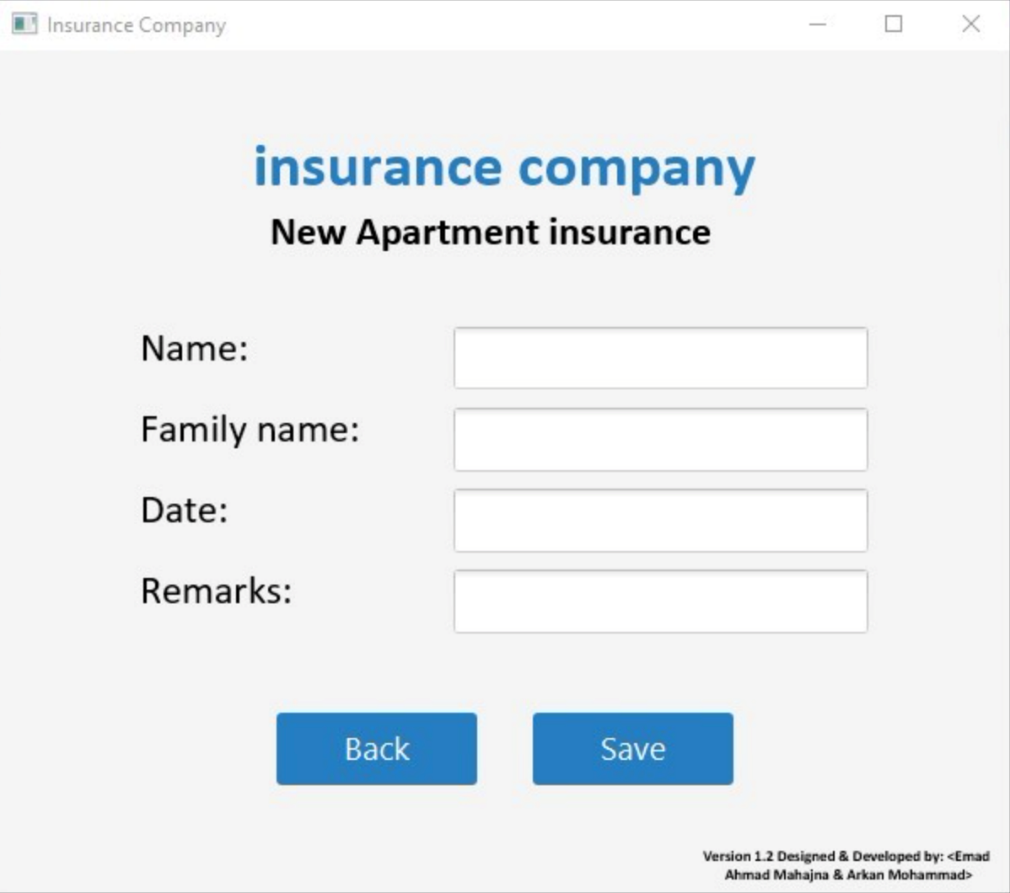
Description automatically generated

Graphical user interface, application

Description automatically generated

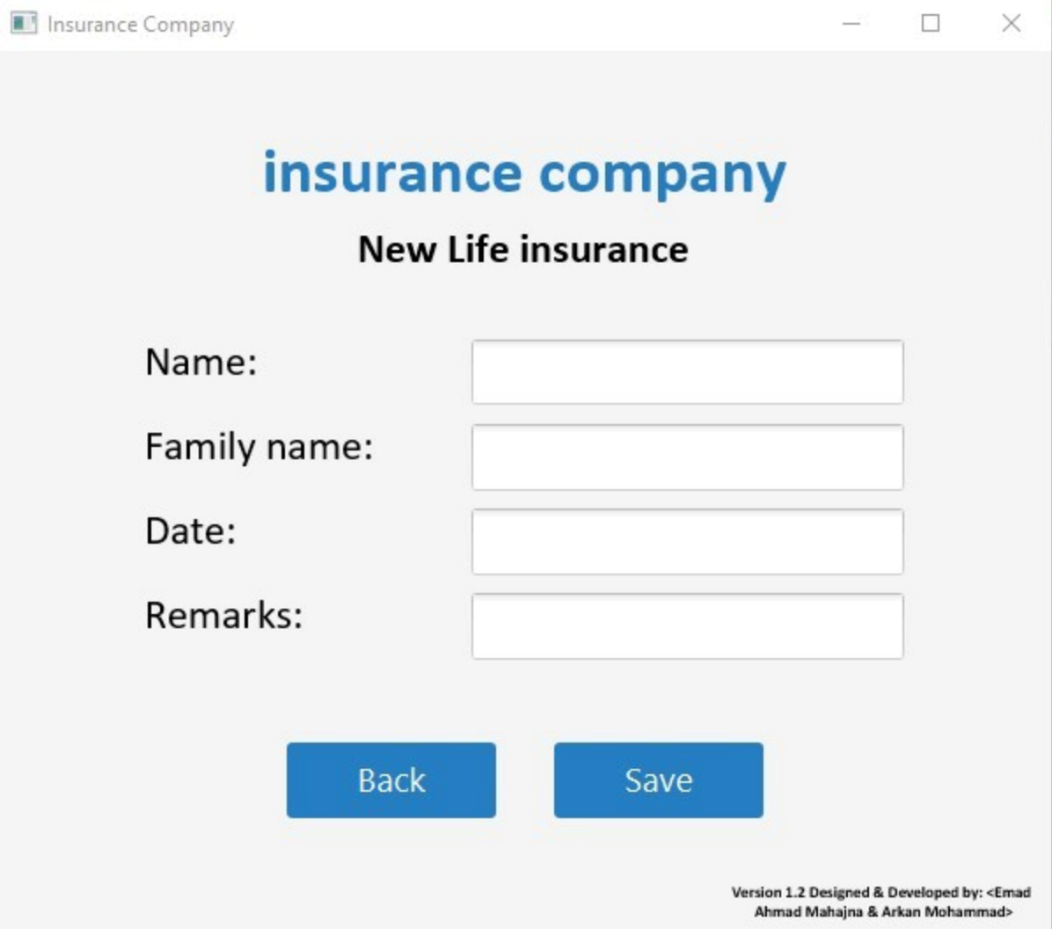
Graphical user interface

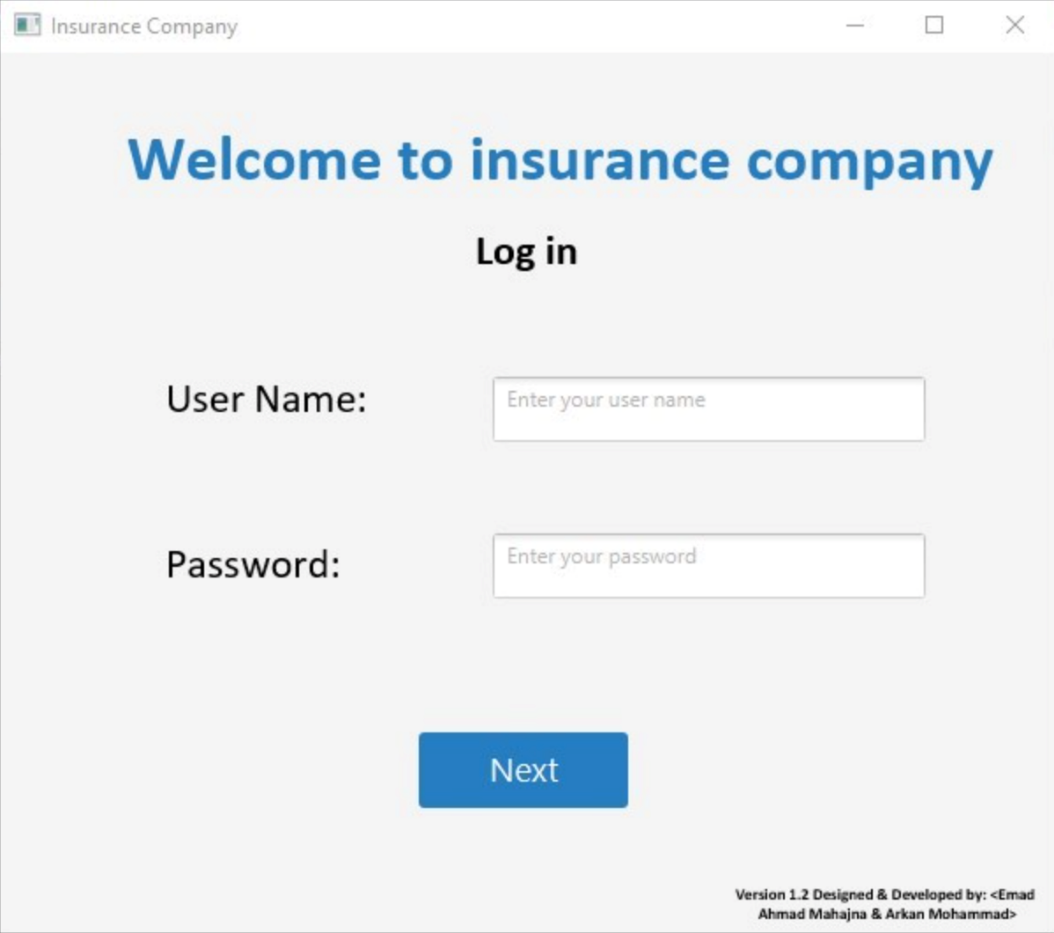
Description automatically generated

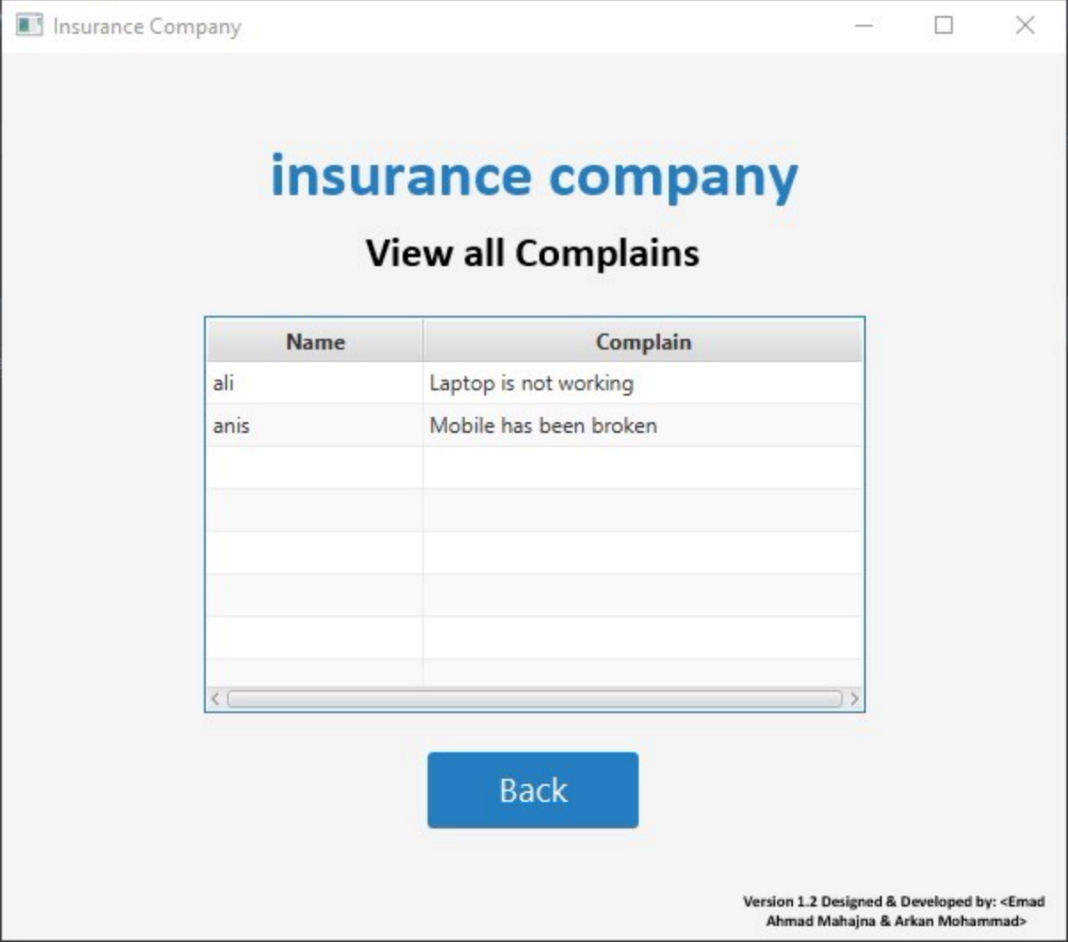
­

Graphical user interface, application

Description automatically generated







Table

Description automatically generated

