

**What is Apache NetBeans?**

- Apache NetBeans is used as the software development platform in this project. Due to the presence of enormous features, apache NetBeans is considered as the best IDE for our project creation. It is free and open source IDE. It supports Swing Application framework. It helps in finding and debugging our errors easily. It supports drag and drop features which plays a vital role in our project. NetBeans makes us easy in designing the GUI of our project. We only need to write the code for the logical portion of the project. It comprises of components like text field, radio button, combo box, check box, frame, panel, label, menu bar, menu item, menu, separator, button, table and so on which are most essential in designing the Graphical User Interface (GUI).

**About House/Flat Rental Management System?**

- This application is named as House or Flat Rental Management System. It is designed by the concept of Java Programming Language and the Integrated Development Environment (IDE) used was Apache NetBeans 11.2. Since it is the computerized way of keeping the track of information. So for those person who are involved in such rental management profession can use such computerized system in their business in order to make their task simple, convenient and more profitable. It has a lot of quality features because of which it can be demanded by many personality or companies as well.

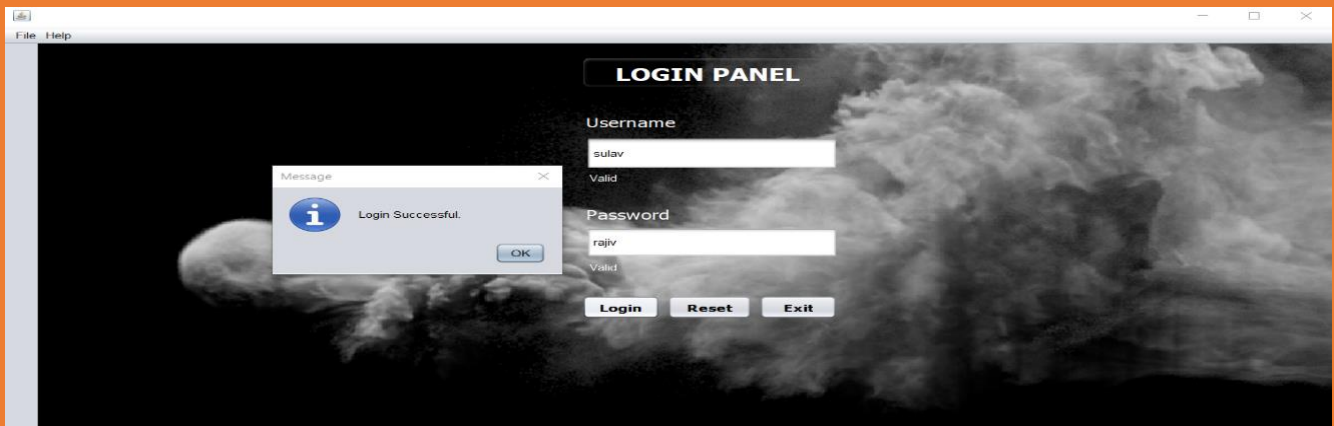
**Who created this application?**

- This application was designed and created through the collective hand of the team of the two members and they are Sulav Adhikari and Rajiv Nayak. These people are the owner of this application.

## What can you do through this application?

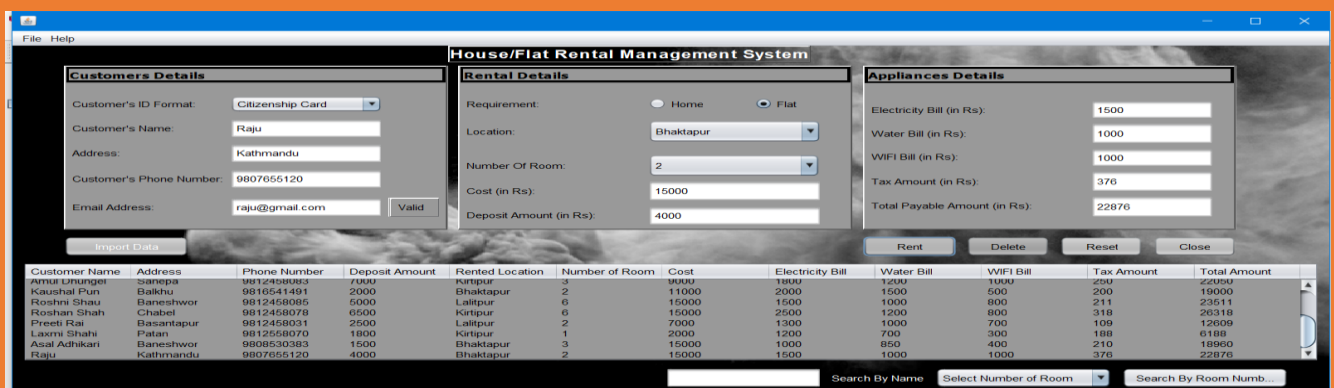
For the easiness to the users to understand, the team has even kept the screenshots:

- For being able to use this system a user must login first:



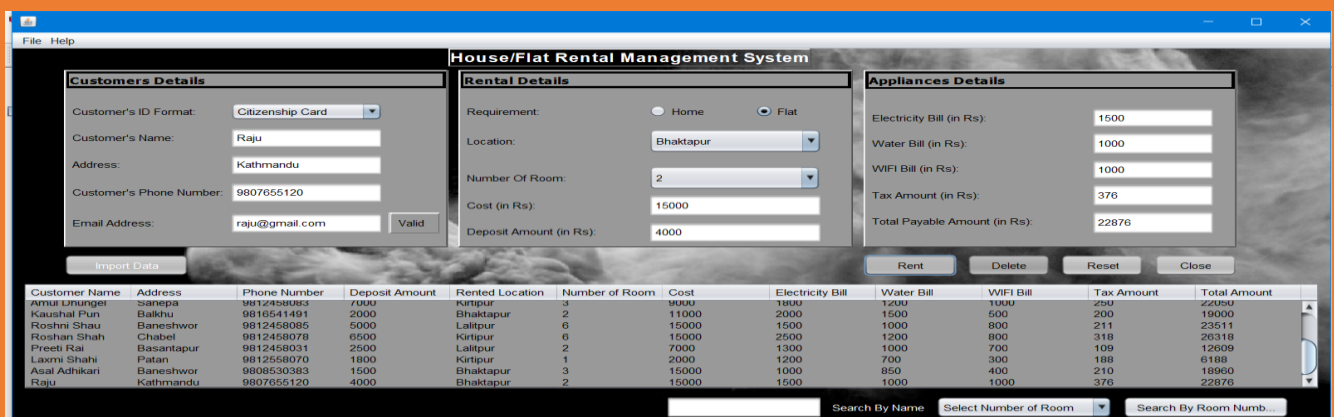
Entering valid username and password for successful login.

- Can Add customer detail to the table:



Entered data are added to the table

- Can search the information of the customer on the basis of his/her name:



Searched the customer detail by name

- Can perform binary search based upon the number of the room:

The screenshot shows the 'House/Flat Rental Management System' interface. A message box displays the search results for room number 2:

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Customer Name = Swagat Adhikari
Address = Koteswori
Rented Location = Lalitpur
Rent Cost = 10000
Total Amount = 15601
  
```

The background interface includes sections for Customer Details, Rental Details, and Appliances Details. Below these is a table listing rental records.

Customer Name	Address	Phone Number	Deposit Amount	Rented Location	Number Of Room	Cost	Electricity Bill	Water Bill	WiFi Bill	Tax Amount	Total Amount
Sulav Adhikari	Kalanki	9812458078	1000	Kirtipur	1	5000	900	600	500	120	8120
Rajiv Nayak	Kamalpokhari	9812458079	6000	Bhaktapur	5	20000	2000	1200	1000	352	35052
Jagadish Pandey	Samakhushi	9812458080	10000	Lalitpur	4	18000	1000	1000	600	194	30794
Pujan Raj Rai	Jawalakhe	9812458081	3000	Kirtipur	3	15000	1000	1500	1000	212	21712
Swagat Adhikari	Koteswori	9812458082	2000	Lalitpur	2	10000	1300	1000	1000	301	15601
Amul Dhungel	Sanepa	9812458083	7000	Kirtipur	3	9000	1800	1200	1000	250	22050
Kaushal Pun	Balkhu	9816541491	2000	Bhaktapur	2	11000	2000	1500	500	200	19000
Rashmi Shau	Baneshwor	9812458085	5000	Lalitpur	6	15000	1500	1000	800	244	23544

Performed the binary search using combo box

- System does not accept the invalid input:

The screenshot shows the same interface as before, but with a message box displaying an error: "Searched data cannot be found". This occurs because the user entered an invalid search value (8) in the 'Search By Name' field.

Trying to search out of range value, as a result search not found message is displayed.

- User can even import the file by clicking import data button or open file menu bar:

The screenshot displays the 'House/Flat Rental Management System' interface. A central message box states 'File Imported.' with an 'OK' button. The interface includes three main panels: 'Customers Details' with fields for ID Format, Name, Address, Phone Number, and Email; 'Rental Details' with fields for Requirement (Home/Flat), Location, Number of Rooms, Cost, and Deposit Amount; and 'Appliances Details' with fields for Electricity Bill, Water Bill, WiFi Bill, Tax Amount, and Total Payable Amount. Below these panels is a table listing rental data.

Customer Name	Address	Phone Number	Deposit Amount	Rented Location	Number of Room	Cost	Electricity Bill	Water Bill	WiFi Bill	Tax Amount	Total Amount
Sulav Adhikari	Kalanki	9812458078	1000	Kirtipur	1	5000	900	600	500	120	8120
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Kaushal Pun	Balkhu	9816541491	2000	Bhaktapur	2	11000	2000	1500	500	200	19000
Bashel Shau	Banshwar	9812458085	5000	Lalitpur	6	15000	1500	1000	800	211	23511

File Imported Successfully

## For Further Queries

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