

BJ Hospital Project

About the Project

The BJ Hospital program is a little java project I have done in the first semester for a quiz exercise. It is a program that is used to register patients in a hospital. It allows the user to input patients' information and views the recorded data. The program is created using Eclipse IDE.

How does it Work?

The program allows for two features, add patient and view patient, which the explanation goes as follows,

```
=====
      : BJ Hospital :
=====
1. Add Patient
2. View Patient
3. Exit
Choose >> |
```

- **Add Patient (Menu 1)**

Firstly, the program will ask the user to input the patient's name. The program will then validate the name. The validation is case sensitive with the requirement that the name must start with either "Mr." or "Mrs."

```
Choose >> 1
Input your name [starts with 'Mr.' or 'Mrs'] : Andrew
Input your name [starts with 'Mr.' or 'Mrs'] : Mr. Andrew
```

Secondly, the program will ask the user to input the patient's gender. The program then will validate the user's input. The validation is case insensitive, and the input should be either Male or Female.

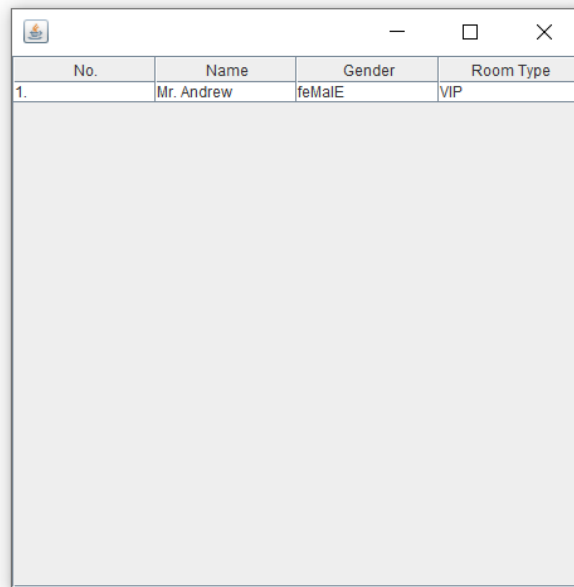
```
Input your gender ['Male' or 'Female'[Case Insensitive]] : abcd
Input your gender ['Male' or 'Female'[Case Insensitive]] : feMale
```

Next, the program will ask the user to input the patient's room type. Same as the first input field, the patient room input field is case-sensitive. The input should be either VIP or Normal. The program will then save it in a vector upon inputting the information.

```
Choose your room type ['VIP' or 'Normal'] : Regular
Choose your room type ['VIP' or 'Normal'] : vip
Choose your room type ['VIP' or 'Normal'] : VIP
Patient has been added!
```

- **View Patient (Menu 2)**

The program will get all the data inside the vector and display it in a new JFrame window. Below is the preview of the JFrame window.



No.	Name	Gender	Room Type
1.	Mr. Andrew	feMaIE	VIP

My Role Within the Project

This project is a quiz exercise project that I did by myself. I play the developer role in this project.

The Difficulties and How to Face it

I found understanding and solving the syntax and logic complicated because this was the first coding project I had. To overcome this issue, I look at the project's video explanation and continuously do trial and error to find the correct syntax for this project.