AUTOMATIC DOOR SYSETM

GROUP 6

DETAILED REPORT

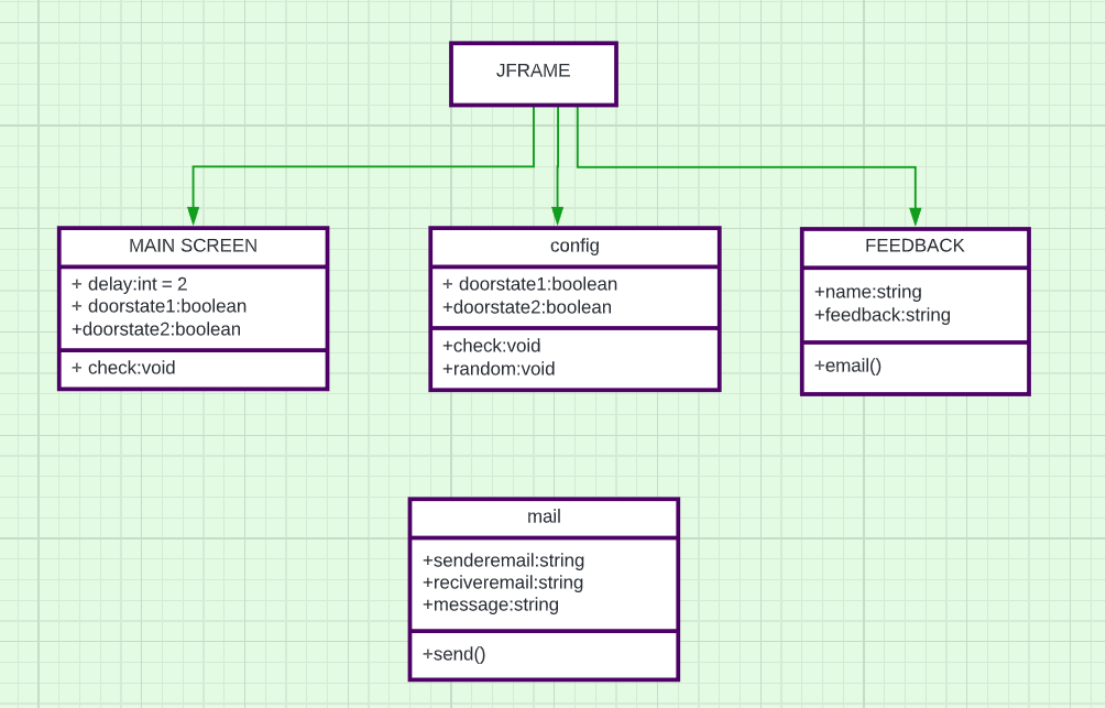
MEMBERS	CONTRIBUTION
1) NIMISH UPADYAY (IIT2019113)	Feedback, main, config classes
2) ABHINAV (IIT2019098)	synchronization and thread part
3) SANGAM BARNWAL (IIT2019094)	Use Case diagram, delay class
4) NIKIL CHOURIYA (IIT2019120)	All Email classes and CRC
5) HARSH SHARMA (IIT2019097)	UI/UX design, class and state diagram

INTRODUCTION

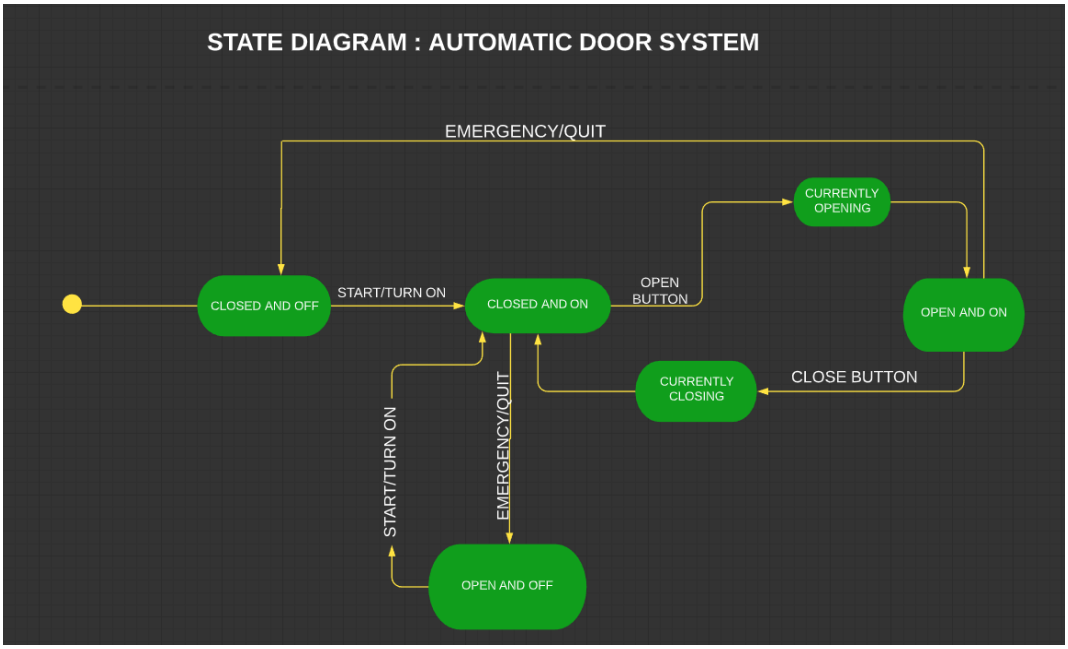
Our project is based on the automatic door system services, which help us to dynamically control our door properties(attributes). It also maintains a communication between user and admin through feedbacks and mails. We have used threads and synchronization for the random number generation part, so as to synchronize main thread with the created threads. Emails are the key feature of our project we can get feedbacks of user through mail and also emergency messages.

UML DIAGRAMS

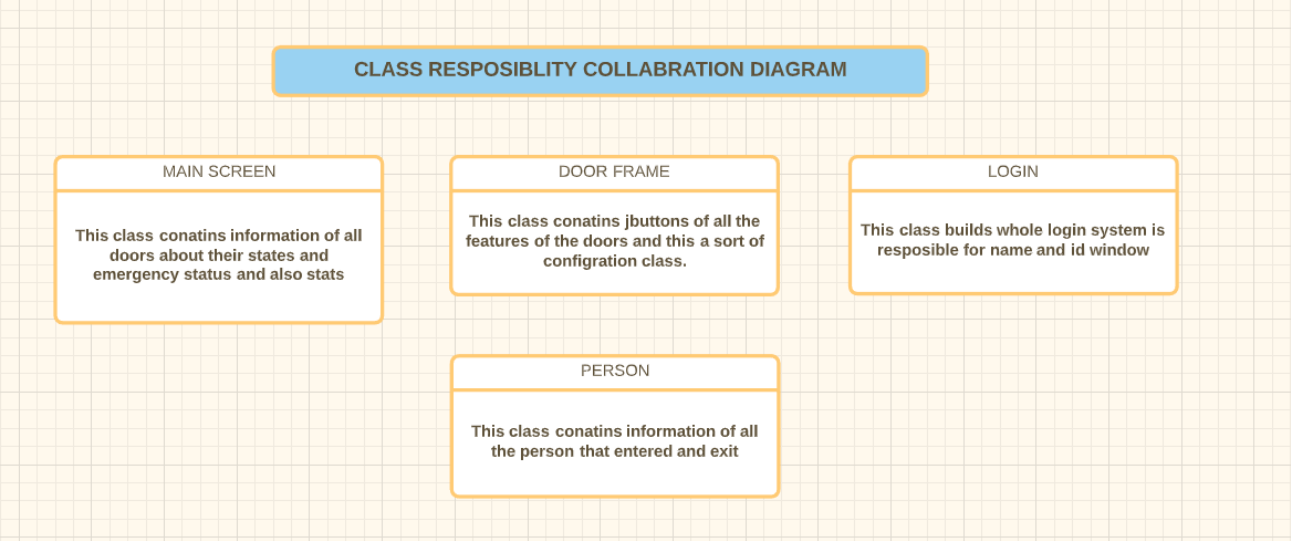
Class diagram



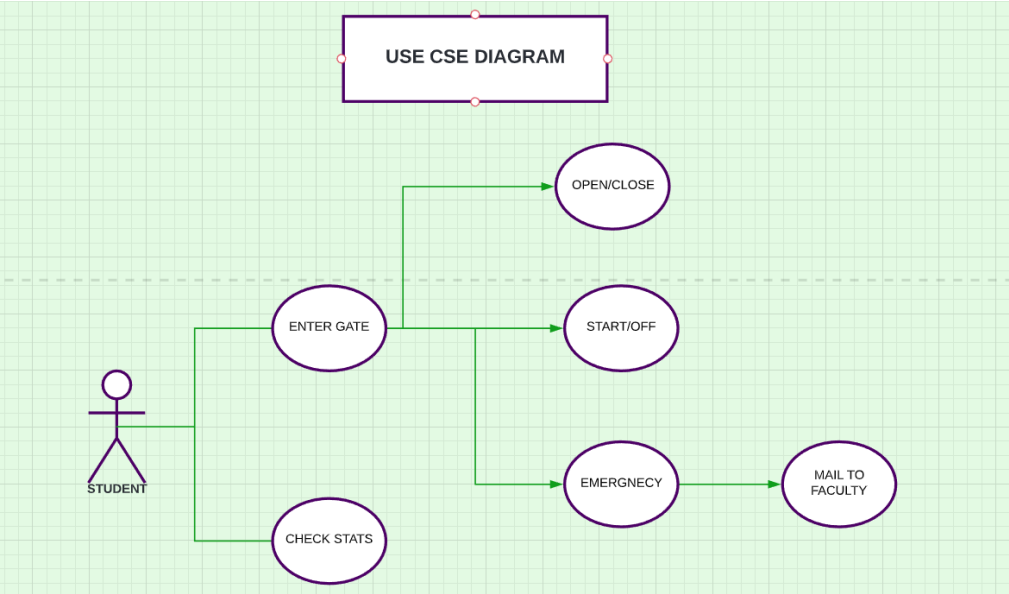
State diagram



CRC DIAGRAM



USE CASE DIAGRAM



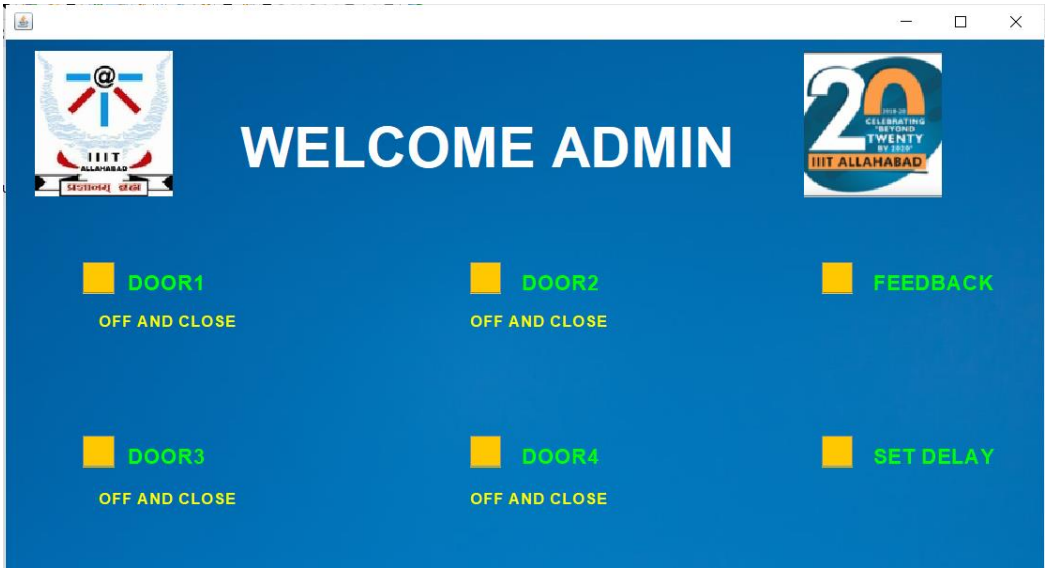
INSTRUCTION BEFORE USE

1) there are some **referred libraries** like email iib ,so add them in your external jars.

2) some **background picture** also added make sure you have them in correct location with correct extension.

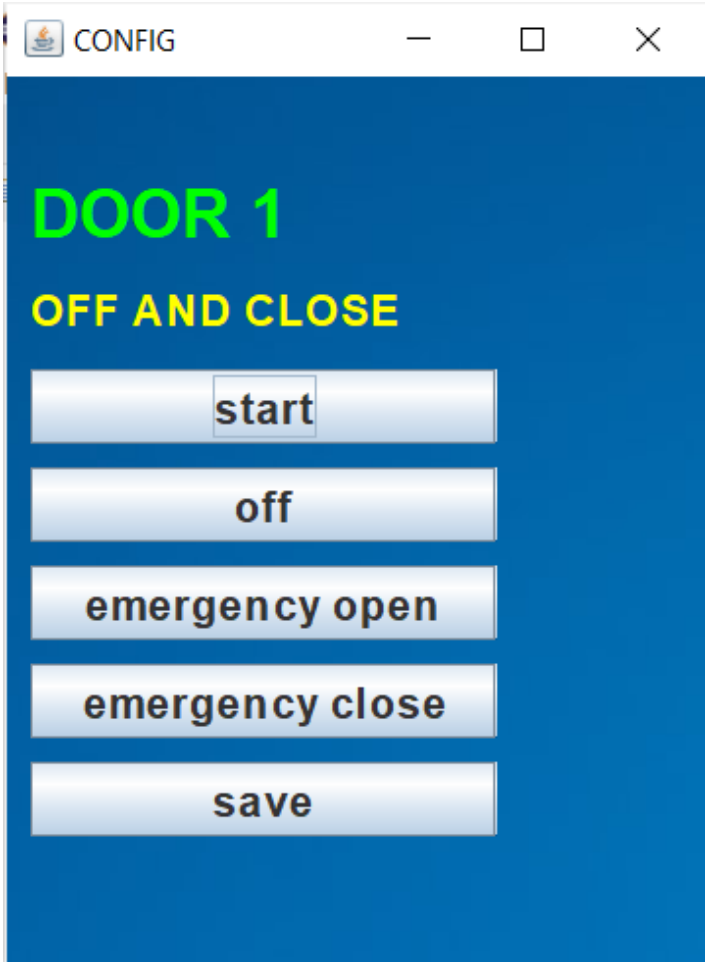
HOW TO USE

When you run the program a screen like mentioned below will appear with different jbuttons.



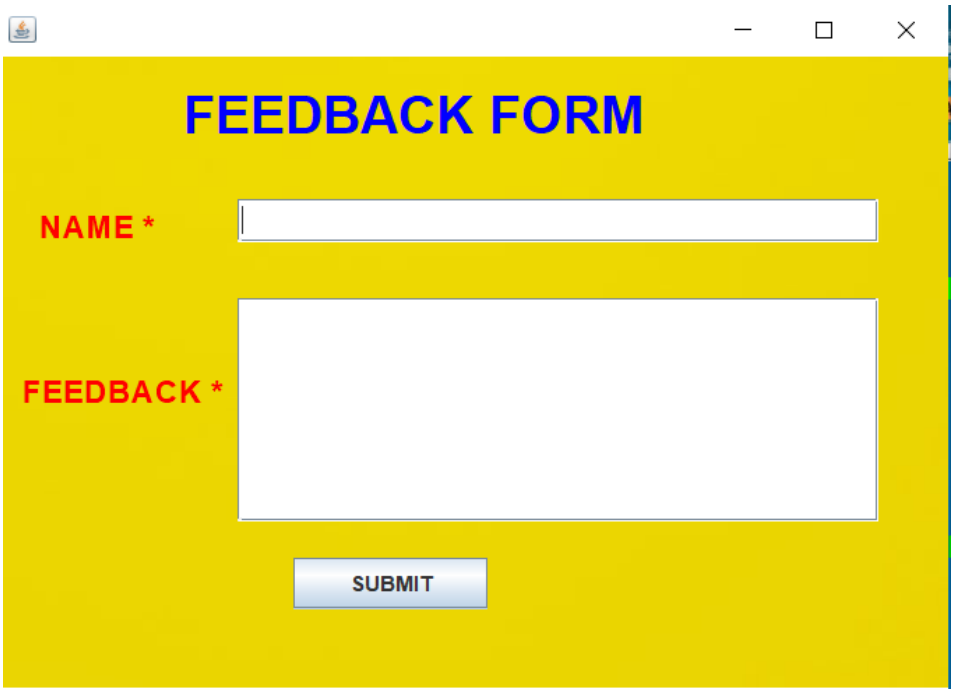
This screen is the main window made through main class, there are JButtons like door1 ,door2, doo3, door4(as there are 4 doors in cc3),feedback and setdelay with the current status of doors.

If we click on door1 button a new window called configuration window will appear.



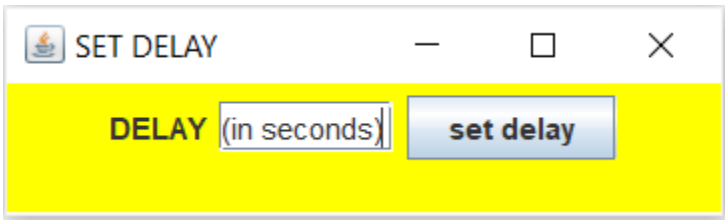
This window has all the configuration buttons to change the status of the door, to consider practical situation we have **thread and synchronization** to make the random number generation valid. Start button starts the door and vice versa for off. Emergency open button opens the door and mails to the concerned faculty that come asap to cc3 gate no. _ and vice versa for emergency close. Save button saves the configuration of the door and take us back to the main screen.

Feedback button help us to gave the feedback, suggestion or complain regarding our system through mail facility, when you click on it following window will appear.



Which will ask its name and feedback and after submit button mail will be sent to the admin.

Set delay button helps us to change the delay time between open to close state.



IMPORTANT :- MAKE SURE THAT YOU ENTER YOUR EMAIL ID AND PASSWORD IN PLACE OF XXXXX IN MAIL AND MAIL1 CLASS.