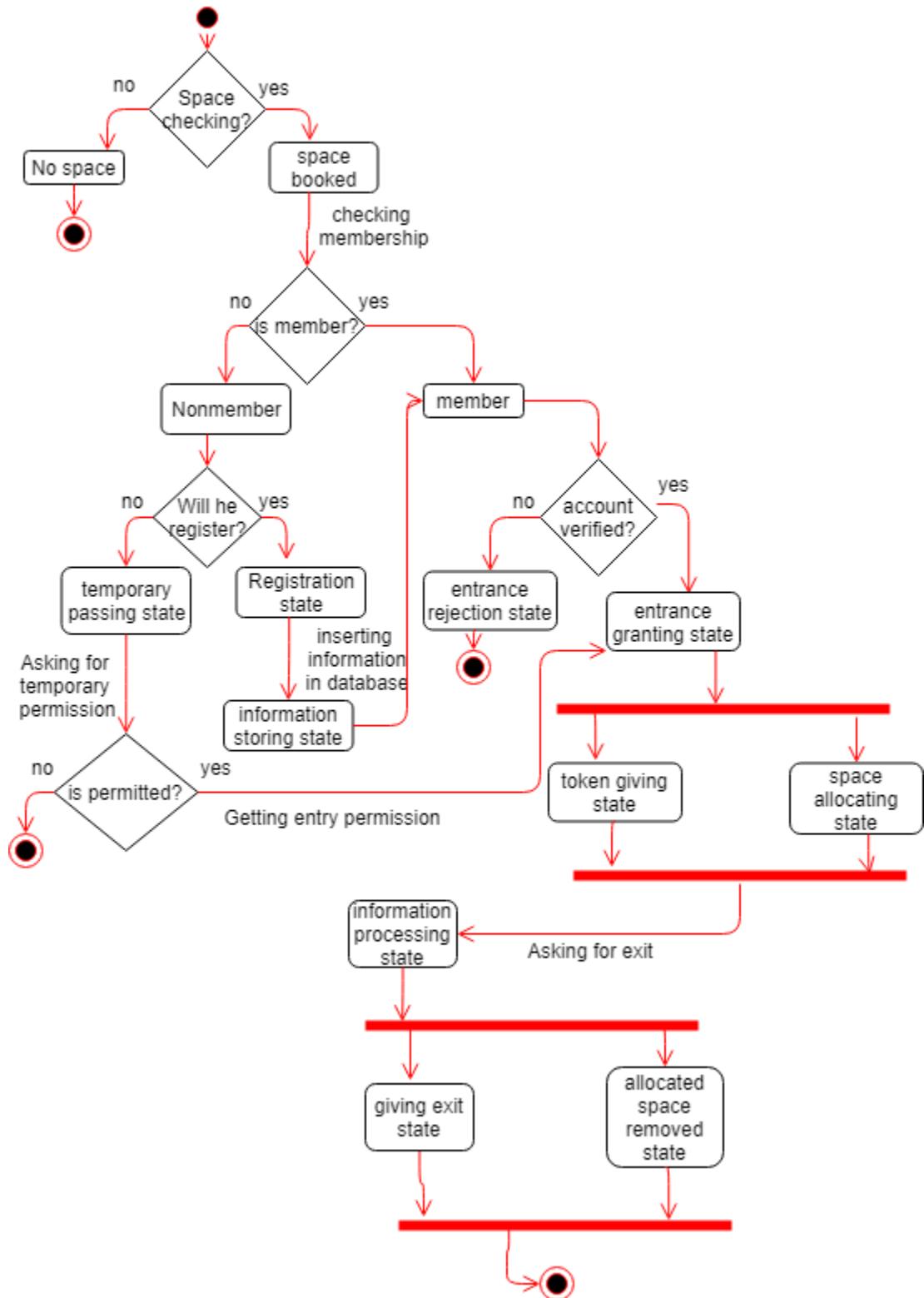


## **Statechart Diagram for the Parking space system**

The system for parking space management the system first turns on to space checking state. If there is space then it takes space booking state. Then for giving entry the system has two different methods. For members it generally verifies account by the parking card number and gives the entry. After that the system allocate the space in database and gives the permit. If the account not verified then the system does not give entry. Those who are not member can get entry in two way. One is by registering and another is by taking temporary recite. For getting permission of temporary recite the system has to send request to manager. If the manager permits then the system gives permit otherwise not. For registration the system has to get store the information and get registered as a member. For everyone who will get permission of entrance, the system will give the token with the placement number and finally allocate the booked space in database. When any vehicle will ask for exit then the system will process the information and will give the permit of exit and record the time of exit

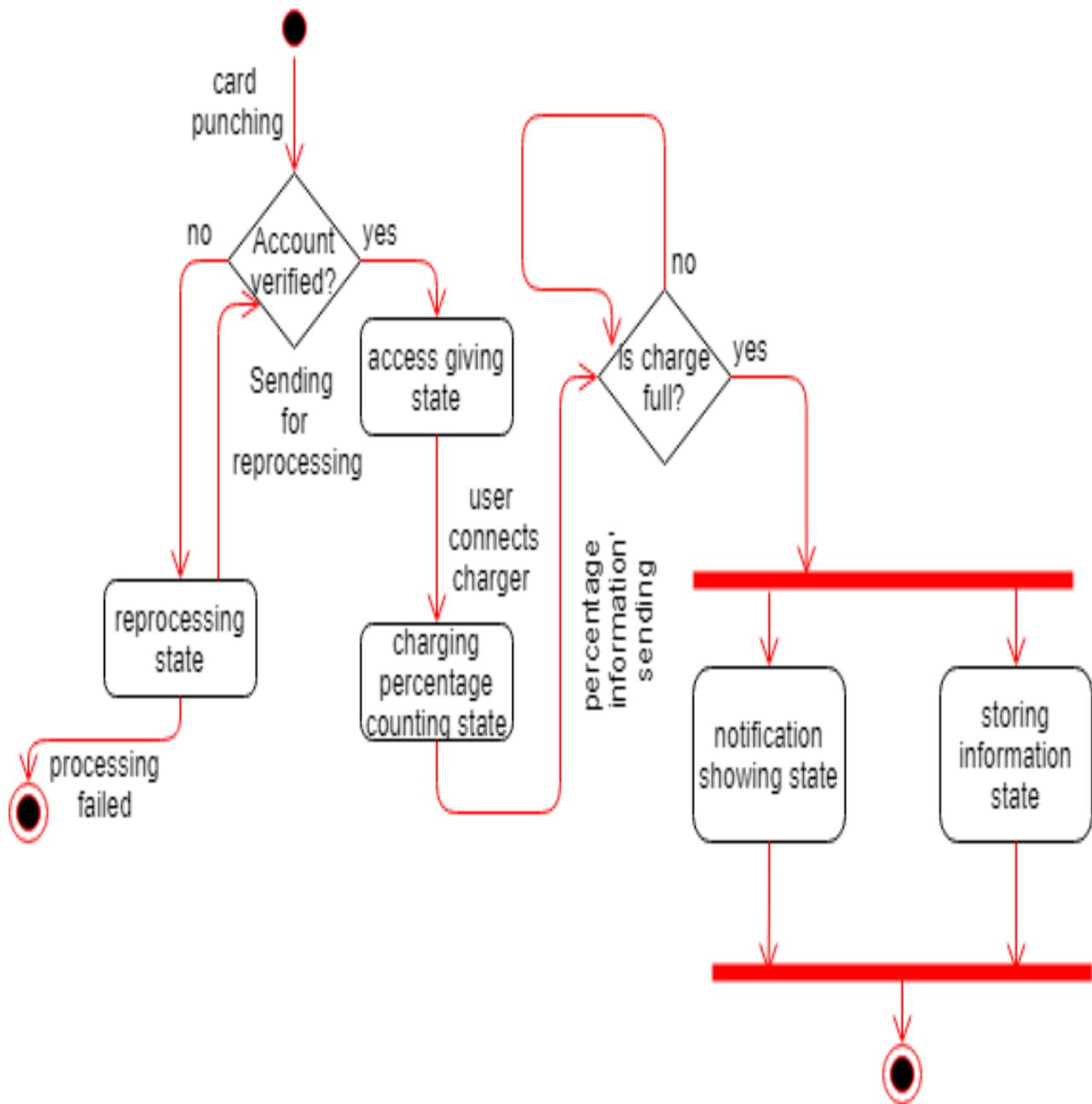
### Statechart Diagram of normal users in entrance and exit



## **State-chart Diagram for charging station.**

For charging station, the system first gives permission when someone punch parking card then the system gives the permission. If the account is not verified then reprocessing state and ends after several reprocessed. It will repeat 3 time to punch the card and in the 4<sup>th</sup> time it will give access denied notification. Then the user connects the vehicle with the electric vehicle charging point and sends the information to the system and system shows the information in the screen in the information showing state. When the charge is full then it gives the notification in the notification showcasing analyzing state. When the user disconnects the charging then it collects the information the database that which vehicles are charged.

statechart diagram for charging station



## **StateChart Diagrams For registration of Nonmembers**

For registration as a member, after giving information of license and Id card number, The system will be in storing state of info and ask for more info like name, phone number, e-mail etc. After giving input of this will the system will save the all info in database. When the informations are saved for registration, then the system will be in notification state and ask the printing machine for printing parking card ask printing machine state.

### StateChart Diagram for Registration

