**USE CASE NARRATIONS**

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | Login | |
| SYSTEM | SMart Home Automation | |
| ACTOR | Admin | |
| DESCRIPTION: | When Admin tries to sign in | |
| PRE CONDITION: | Username and Password should be same as provided | |
| TRIGGER: | When Customer clicks on “SignUp” | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1Adminclicks on Log in button* | *Step 2:New page will be open containing Log in form* |
|  | *Step3: After filling all the fields / signup form user will click on Log in button* | *Step4: Log in Successfully message will be generated and admin related options will be displayed* |

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | Admin | |
| SYSTEM | SMart Home Automation | |
| ACTOR | Admin | |
| DESCRIPTION: | Admin can configure Automation for user, Add/Remove User, Add/Remove Appliances | |
| PRE CONDITION: | Admin have to login | |
| TRIGGER: |  | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1:admin can click on configure,add/delete user or appliances* | *Step 2: after clicking required page will be opened* |
|  | *Step3: Admin will edit andupdate settings* | *Step4: Operation Successful will be shown on screen after completion* |

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | Configuration of Automation | |
| SYSTEM | SMart Home Automation | |
| ACTOR | Admin | |
| DESCRIPTION: | Admin can configure devices and system | |
| PRE CONDITION: | Admin Login | |
| TRIGGER: |  | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1:Admin Clicks on Configure Device* | *Step 2:New page will be open containing Configuration settings* |
|  | *Step3: After configuring device clicks update* | *Step4: Device have been Configured Successfully pop up on screen* |

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | Add/Delete User | |
| SYSTEM | SMart Home Automation | |
| ACTOR | Admin | |
| DESCRIPTION: | Admin can add/ delete user | |
| PRE CONDITION: | Admin Login | |
| TRIGGER: |  | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1:Admin click on button manage user* | *Step 2:After clickingon button window of registered user will appear* |
|  | *Step3: If admin wants to add user he will click add button and fill required information, if he wants to delete user he will click delete button again prompt will be generated do you want to delete user.* | *Step4: after add/delete list has been updated will appear .* |

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | Add/Delete Appliances | |
| SYSTEM | SMart Home Automation | |
| ACTOR | Admin | |
| DESCRIPTION: | Admin can add/ delete appliances as per user requirement | |
| PRE CONDITION: | Admin Login | |
| TRIGGER: |  | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1:Admin click on button manage user then appliances* | *Step 2:After clickingon button list of appliances will appear on screen* |
|  | *Step3: If admin wants to add appliances he will click add button and fill required information, if he wants to delete appliances he will click delete button again prompt will be generated do you want to delete this appliance.* | *Step4: after add/delete list has been updated will appear .* |

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | House Owner | |
| SYSTEM | SMart Home Automation | |
| ACTOR | House Owner | |
| DESCRIPTION: | House owner can login , check , control appliances can check energy consumption , can monitor appliances | |
| PRE CONDITION: | House owner must be registered in database | |
| TRIGGER: |  | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1:House owner will login* | *Step 2: house owner can see different option to control appliances* |
|  | *Step3: house owner can implement his/her desired instruction* | *Step 4: he/she can see desired resutls* |

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | Login | |
| SYSTEM | Smart home automation | |
| ACTOR | House Owner | |
| DESCRIPTION: | House owner can login to his/her account to control and check appliances | |
| PRE CONDITION: | House owner must be registered in database | |
| TRIGGER: | When user clicks login button login form will appear | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1:House Owner clicks on login* | *Step2: Login form will appear* |
|  | *Step3: After entering login credentials house owner clicks login* | *Step4:house owner will be redirected to all check and control optionsscreen* |

|  |  |  |
| --- | --- | --- |
| USE CASE NAME: | Monitor Appliances | |
| SYSTEM | smart home automation | |
| ACTOR | House Owner | |
| DESCRIPTION: | House owner can monitor which appliances are turned on or off | |
| PRE CONDITION: | House owner Must be Login | |
| TRIGGER: |  | |
| TYPICAL COURSE | Actor Action | System Response |
| OF EVENTS: | *Step1: House owner after log in click check appliances* | *Step2: app will show the appliances that are turned on or off* |
|  | *Step3:House Owner can turn on or off appliances* | *Step4: Device will turn on or off that particular device as instructed by house owner* |