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| **USE CASE NAME:** | Login | |
| **SYSTEM** | SMart Home Automation | |
| **ACTOR** | Admin/House Owner | |
| **DESCRIPTION:** | Admin/House owner can login to his/her account to further to use the facilities provided in the mobile application. | |
| **PRE CONDITION:** | Username and Password should be same as saved at the time of registration. | |
| **TRIGGER:** | When Customer clicks on “Sign In” | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** |
| **OF EVENTS:** | *Step1: Admin/House Owner clicks on Login button.* | *Step 2: New page will be open containing Lo in form.* |
|  | *Step3: After filling all the fields /sign in form Admin/House Owner will click on Login button.* | *Step4: Login Successfully message will be generated and Admin/House Owner related options will be displayed as per the respective panels.* |



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| **USE CASE NAME:** | Configuration Automation | |
| **SYSTEM** | SMart Home Automation | |
| **ACTOR** | Admin | |
| **DESCRIPTION:** | Admin can configure home appliance which will be connected to the application.  Admin can add or remove any appliances with respect the requirement of house owner. | |
| **PRE CONDITION:** | Admin should be first login in the application | |
| **TRIGGER:** | When Admin clicks on “Config System” | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** |
| **OF EVENTS:** | *Step1:Admin Clicks on Config system* | *Step 2: New page will be open containing Configuration settings regarding to the devices connected with application.* |
|  | *Step3: After configuring device admin clicks on Update system* | *Step4: The system will be updated and the device have been Configured Successfully will be pop up on screen* |

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| **USE CASE NAME:** | Add/Remove User | |
| **SYSTEM** | SMart Home Automation | |
| **ACTOR** | Admin | |
| **DESCRIPTION:** | Admin can add/ delete user which will be using the application for monitoring and controlling the appliances. | |
| **PRE CONDITION:** | Admin should be first login in the application. | |
| **TRIGGER:** | Clicks on Manage user’s button. | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** |
| **OF EVENTS:** | *Step1:Admin click on button manage user* | *Step 2:After clicking on the button a 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/remove list has been updated will appear.* |

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| **USE CASE NAME:** | Add/Remove Appliances | |
| **SYSTEM** | SMart Home Automation | |
| **ACTOR** | Admin | |
| **DESCRIPTION:** | Admin can add/ delete appliances as per requirement | |
| **PRE CONDITION:** | Admin should be first login in the application. | |
| **TRIGGER:** | When clicks on manage appliances button. | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** |
| **OF EVENTS:** | *Step1:Admin click on button manage user then appliances* | *Step 2:After clicking on the button a 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.* |

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| **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:** | When clicks on manage appliances and then selects monitor appliances tab | |
| **TYPICAL COURSE** | Actor Action | System Response |
| **OF EVENTS:** | *Step1: House owner after log in clicks on manage appliances* | *Step2: App will show the tab of monitor appliances with another option of checking energy consumption.* |
|  | *Step3:House owner will select the option of monitor appliances* | *Step4: Device will show that which appliance is currently switched off or on* |



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| **USE CASE NAME:** | Control Appliances | |
| **SYSTEM** | SMART HOME AUTOMATION | |
| **ACTOR** | House Owner | |
| **DESCRIPTION:** | House owner can control the appliances which means that he/she can turn on or off the appliances by using the application | |
| **PRE CONDITION:** | House owner must be Login to the application | |
| **TRIGGER:** | When clicks on manage appliances and then selects control appliances tab | |
| **TYPICAL COURSE** | Actor Action | System Response |
| **OF EVENTS:** | *Step1: House owner after log in click manage appliances* | *Step2: app will show the tab of control appliances* |
|  | *Step3:House owner can turn on or off appliances which are shown on the application* | *Step4: Device will turn on or off that particular device as instructed by house owner* |

