**Use Cases Tables:**

Name: Sign Up

Participating actor: Home-User/Admin-User

Entry condition: User launches application

Exit condition:

User successfully submitted all correct information.

User exits application.

Event flow:

1) User fills the sign up form with all correct personal information.

2) System checks if the information is valid.

3) System notifies user whether to submit or correct info.

4) User clicks submit to create an account.

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Name: Sign In

Participating actor: Home-User / Admin-User

Entry condition: User launches application

Exit condition:

User enters correct username and password

User exits application.

Event flow:

1)User enters username and password on login page

2)System checks if username and password matches any account

3)Error message is displayed by system if no matches found.

4)System opens home page if information is correct.

Name: Log Out

Participating actor: Home-User/Admin-User

Entry condition: Home-User/Admin-User clicks on logout button.

Exit condition:

System successfully logged the user out of his account.

Event flow:

Name: Add Device

Participating actor: Admin-User

Entry condition: Admin-User clicked Edit Devices

Exit condition:

Admin-User successfully added a device.

Admin-User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on settings

4)User clicks on Edit Devices option and chooses to add a device.

5)System finds available devices in the house and displays them to user.

6)User chooses the device he wants to add.

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Name: Remove Device

Participating actor: Admin-User

Entry condition: Admin -User clicked Edit Devices

Exit condition:

Admin-User successfully removed a device.

Admin-User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on settings

4)User clicks on Edit Devices option and chooses to remove a device.

5)System displays connected devices to the user.

6)User chooses the device he wants to remove.

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Name: Add User

Participating actor: Admin-User

Entry condition: Admin -User clicked Edit Users

Exit condition:

Admin-User successfully added a user

Admin-User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on settings

4)User clicks on Edit Users option and chooses to add a user.

5)User enters the wanted username

6)System searches for the entered username and displays it if found

7)If no matching username is found an error message is displayed.

8)User adds the username found if correct.

Name: Remove User

Participating actor: Admin-User

Entry condition: Admin -User clicked Edit Users

Exit condition:

Admin-User successfully removed a user

Admin-User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on settings

4)User clicks on Edit Users option and chooses to remove a user.

5)System displays connected users.

6)If no users are connected, system display an error message

8)User removes the wanted user connected.

Name: Enable Notification

Participating actor: Admin-User / Home-User

Entry condition: User clicked Edit Notifications

Exit condition:

User successfully enabled notifications wanted

User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on settings

4)User clicks on Edit Notification option

5)System displays connected devices.

6)If no devices are connected, system display an error message

8)User chooses the device wanted and enables the notification button

Name: Disable Notification

Participating actor: Admin-User / Home-User

Entry condition: User clicked Edit Notifications

Exit condition:

User successfully disabled notifications wanted

User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on settings

4)User clicks on Edit Notification option

5)System displays connected devices.

6)If no devices are connected, system display an error message

8)User chooses the device wanted and disables the notification button

Name: Start Device

Participating actor: Admin-User / Home-User

Entry condition: User clicked View Device

Exit condition:

User successfully started the wanted device

User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on view device and then start the wanted device

Name: Stop Device

Participating actor: Admin-User / Home-User

Entry condition: User clicked View Device

Exit condition:

User successfully stopped the wanted device

User returned to home page

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on view device and then stops the wanted device

Name: Refresh States

Participating actor: Admin-User / Home-User

Entry condition: User clicked Refresh States

Exit condition:

User successfully refreshed all devices

Event flow:

1)User opens application

2)System displays home page to user

3)User clicks on refresh devices

4)System refreshes the state of all connected devices.