Automation application design requirements.   21-Jun-2016

The application will require an initial login screen that will require authentication from an external website the first time it is run. Those credentials are to then be saved on the device and a local variable to track if it's an authenticated user. i.e. once authenticated, the app doesn't need to authenticate again (unless a new version of the app is installed).

Login Page

See file: LoginScreen.psd

Has input field for email address and password and a link for forgotten password which will send an email with the user's email address.

Dashboard Page

See files: Dashboard_Category.psd and Dashboard_Rooms.psd

Once logged in, the dashboard is displayed.

The main dashboard page has an icon for each of the automation disciplines or a list of all the rooms in the house, with a count of the number of devices in that discipline currently turned on or the total wattage in use.

Where we can't determine the discipline from the Z-Wave gateway (Vera/Fibaro/ Razberry), we will need to give the user a way to assign a device to a discipline.

There is a settings button on the dashboard that will give the user the ability to enter in their credentials and the IP addresses of the devices to control.

Settings Page

See files: Settings.psd

On the settings screen, the user selects which Z-Wave gateway to use (Vera/Fibaro/Razberry) and the IP address.

They also then provide the IP address of the NESS serial interface and their login credentials