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USER INTERFACE SPECIFICATIONS:

SCREENS:

* Home Screen

1. Present Time of Use Billing information in a Graphic and intuitive way
2. Method to access menu of connected appliances and loads (Thermostat and EV)
3. Time/Date and other relevant information

* Menu Screen:

1. Methods to access the control screens and information for the thermostat and EV

* Thermostat Screen:

1. Methods to control the temperature level
2. Methods to switch between Heating and/or Cooling Modes
3. Method to collect user scheduling input
4. Method to Display historical energy consumption

* EV Screen:

1. Method for Switching the load remotely
2. Method for collecting user scheduling input
3. Method to Display historical energy consumption

* Thermostat Scheduling Screen:
* EV Scheduling Screen:
* Energy consumption Screen:

1. Present Appliance Energy Consumption Data in a Graphical and intuitive way

CENTRAL CONTROL UNIT GRAPHIC USER INTERFACE DESIGN:

1. HOME SCREEN

|  |  |
| --- | --- |
|  | |
| Purpose: |  |
| Navigation and User Interaction: |  |

1. MENU SCREEN:

|  |  |
| --- | --- |
|  | |
| Purpose: |  |
| Navigation and User Interaction: |  |

1. THERMOSTAT SCREEN:

|  |  |
| --- | --- |
|  | |
| Purpose: |  |
| Navigation and User Interaction: |  |

1. EV SCREEN:

|  |  |
| --- | --- |
|  | |
| Purpose: |  |
| Navigation and User Interaction: |  |

1. THERMOSTAT SCHEDULING SCREEN:

|  |  |
| --- | --- |
|  | |
| Purpose: |  |
| Navigation and User Interaction: |  |

1. EV SCHEDULING SCREEN:

|  |  |
| --- | --- |
|  | |
| Purpose: |  |
| Navigation and User Interaction: |  |

1. ENERGY CONSUMPTION SCREEN:

|  |  |
| --- | --- |
|  | |
| Purpose: |  |
| Navigation and User Interaction: |  |

CENTRAL CONTROL UNIT GRAPHIC USER INTERFACE TESTING:

1. HOME SCREEN:

|  |  |
| --- | --- |
| Specification | Y/N |
| Present Time of Use Billing information in a Graphic and intuitive way |  |
| Method to access menu of connected appliances and loads (Thermostat and EV) |  |
| Time/Date and other relevant information |  |

1. MENU SCREEN:

|  |  |
| --- | --- |
| Specification | Y/N |
| Methods to access the control screens and information for the thermostat and EV |  |

1. Thermostat Screen:

|  |  |
| --- | --- |
| Specification | Y/N |
| Methods to control the temperature level |  |
| Methods to switch between Heating and/or Cooling Modes |  |
| Method to collect user scheduling input |  |
| Method to Display historical energy consumption |  |

1. EV Screen:

|  |  |
| --- | --- |
| Specification | Y/N |
| Method for Switching the load remotely |  |
| Method for collecting user scheduling input |  |
| Method to Display historical energy consumption |  |

1. THERMOSTAT SCHEDULING SCREEN:
2. EV SCHEDULING SCREEN:
3. ENERGY CONSUMPTION SCREEN: