

Smart_home.py

- Start gui_menu

Gui_menu.py

- Gui_home button

- Gui_usage button

- Gui_maintenance button

Gui_home.py

- Gui_usage button

- Gui_maintenance button

- Import from database

- Return historical, average, and expected usage

- Import from curr_temp.py

- Return current temperature outside

Gui_usage.py

- Gui_home button

- Gui_maintenance button

- Import matplotlib

- Import from database

- Plot usage data

- Return plot

Gui_maintenance.py

- Gui_menu_button

- Gui_home button

- Gui_usage button

- Door/Appliance Sensors

Calc.py

- Historical/Usage data calculations

Curr_temp.py

- Read from API

- Get current temperature in Birmingham, AL (in Fahrenheit)