

## Submission Document

### Requirments:

1. I used a flask application as shown by the code in ApiCode.py
2. The driver code for demonstration is in the final.ipynb jupyter notebook
3. As show in smartDevices.py, I use OOP to make the class structure of the smart home
4. Using the /save method, the user can store their data for loading it when the server is restarted.
5. I used DELETE for deleting a device from the home. I used GET to save information from the home. PUT is used to update the information for a device in the home. Lastly, I used POST to add a new device to the home.
6. Finally, I consumed a public api in the /temperatureDifference/<zip> route for the user to ask the temp difference between the inside of the home (as given by a thermometer device that they make) and the current condition outside in their zip code.