Programming Coursework

Technical Report

Introduction:

In this technical report, I will present my reasoning behind the choices I made when coding this Smart Home project for the **Alikoti Dev Team**. Evidence has been supported with images and figures with locations.

Initial Development Tasks:

Task	Detail	Description
1	**ConsoleSuite**	Within the **ConsoleSuite** class, I built my own methods to clean up the printing of data to the console as well as build two methods to get integers and strings from the user. This allows the code to work seamlessly between platforms without the use of built-in methods.
2	**Dashboard**	Within the **Dashboard** class, I included the two main user inputs which were the requirement of the number of rooms as well as the number of smart plugs. These are required to ultimately build the Smart Home.
3	**Additional Classes**	**SmartHome**, **SmartRoom**, **SmartPlug** and **AttachedDevice** classes were required to build the whole project. The reasoning behind the elements inside them has been discussed below.