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| Project Name: Midterm 1 | | | | | | | | |
| Student Name: Kenneth Kinderwater | | | | Capstone Date: 7-8-2025 | | | | |
| Project Motivation and Overview:  Smart Home controller, create a device to control 6 Hue light bulbs and at least 6 wemo smart controllers.  Include manual mode, in person controlling and Automatic modes  Minimum Features:   * 6 Hue light bulb controls On and OFF * 6 individual HUE control, Color and brightness * All ON and ALL OFF     Desired Features:   * OLED menu screen * Late for Class mode * Morning sunrise     Stretch Goal Features:   * Point and shoot power * BME sensor to set mood lighting | | | | | | | | |
| Anticipated Components:   * Glove with 3D printed gauntlet * Encoder * Two Buttons * OLED * Wiring | | | | | | | | |
| Concerns and Considerations (Project Risks and Potential Mitigations)   * Function calling * Local variables * Keeping OLED menu in order | | | | | | | | |
| Other Information: | | | | | | | | |
| Project Implementation Timeline: | | | | | | | | |
| Tasks | Day 1 | Day 2 | Day 3 | | Day 4 | Day 5 | Day 6 | Day 7 |
| Project Plan | X |  |  | |  |  |  |  |
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| Presentation |  |  |  | |  |  |  |  |