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| --- | --- | --- | --- | --- |
| **Services** | **The Application Layer** | | | **State Machine** |
| **Menu** | **Log in** | **Light Intensity** |
| **Window** | **Temperature Status** |  |
| **The Hardware Abstraction Layer** | | |
| **Bluetooth** | **EEPROM** | **Sign up** |
| **PWM Light Intensity** | **PWM Servo Motor** |  |
| **The Microcontroller Abstraction Layer** | | |
| **DIO** | **ADC** | **Timer 0** |
| **Timer 1** | **I2c** | **UART** |

**Mobile-Controlled Home Project**

**Static Architecture**