

Milestone 2: State Machine Diagram

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State Machine Code Present in Milestone

```
switch(state) {  
    case 0x4e:  
        LT_State = LT_Lit;  
        break;  
    case 0x46:  
        LT_State = LT_UnLit;  
        break;  
    default:  
        LT_State = LT_SMStart;  
        break;  
}  
  
switch(LT_State) {  
    case LT_SMStart:  
        GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_ON);  
        break;  
    case LT_UnLit:  
        GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_OFF);  
        break;  
    case LT_Lit:  
        GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_ON);  
        break;  
    default:  
        break;  
}
```

State Machine Diagram

