**Cloud-Based Light Switch**

**Milestone 1:** Solder chip for easy prototyping

**Milestone 2:** Interface Arduino and WiFi communication

* Hardware connection
* Software connection
* Communication (Parsing commands)

**Milestone 3:** Interface WiFi chip and router communication

* Communication

**Milestone 4:** Light-switching mechanism on Arduino board

* Allow WiFi to control this light-switching mechanism

**Milestone 5:** Interface cloud-based communication

* Acquire server (maybe thingspeak)
* Communication to server (Arduino → WiFi → Router → Server)
* Library for project-specific tasks for Arduino

**Milestone 5:** Android Application

* Communication with cloud
* Register light feature
* Display light status
* Turn on/off