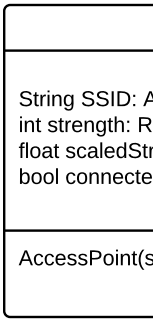
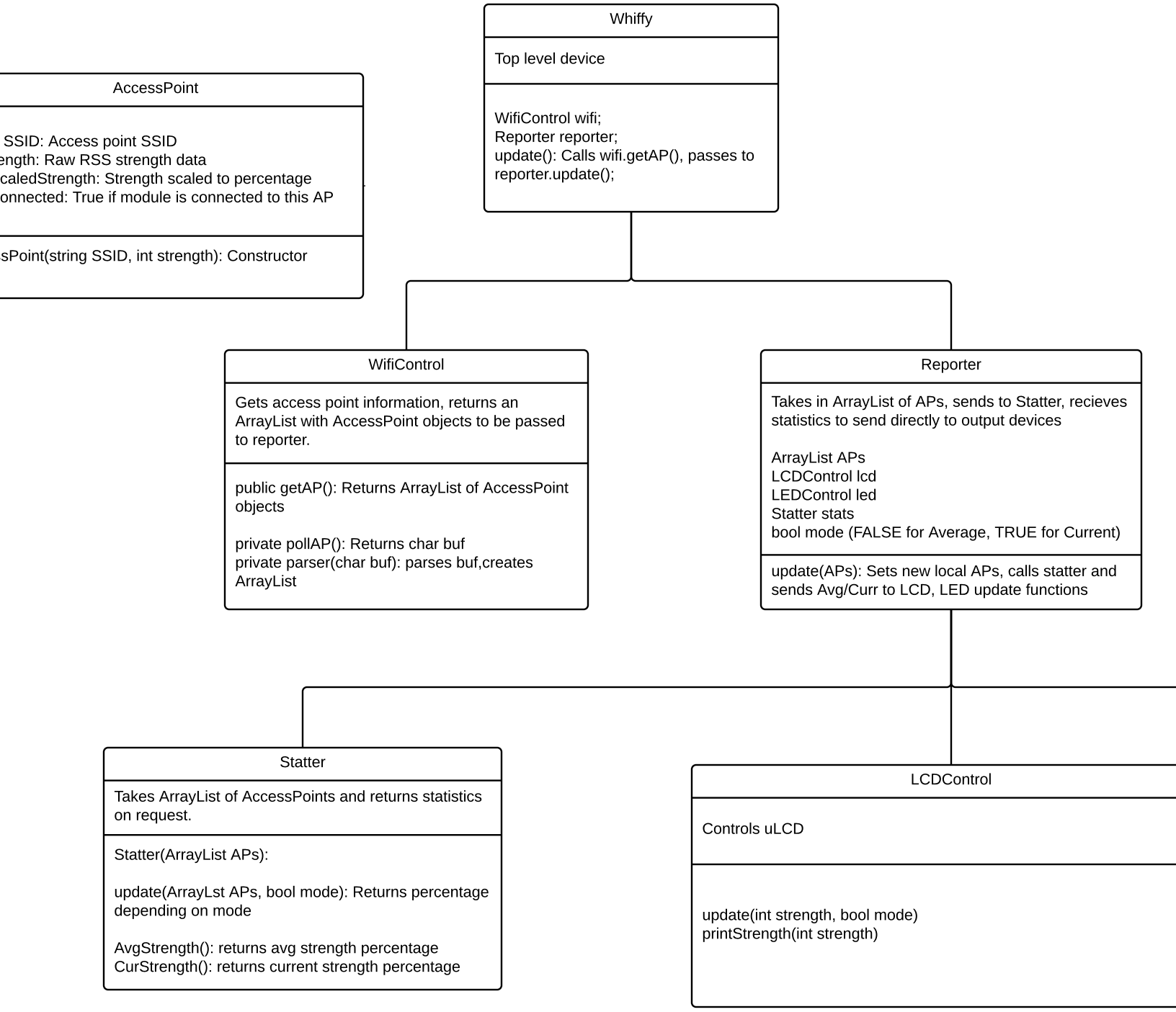
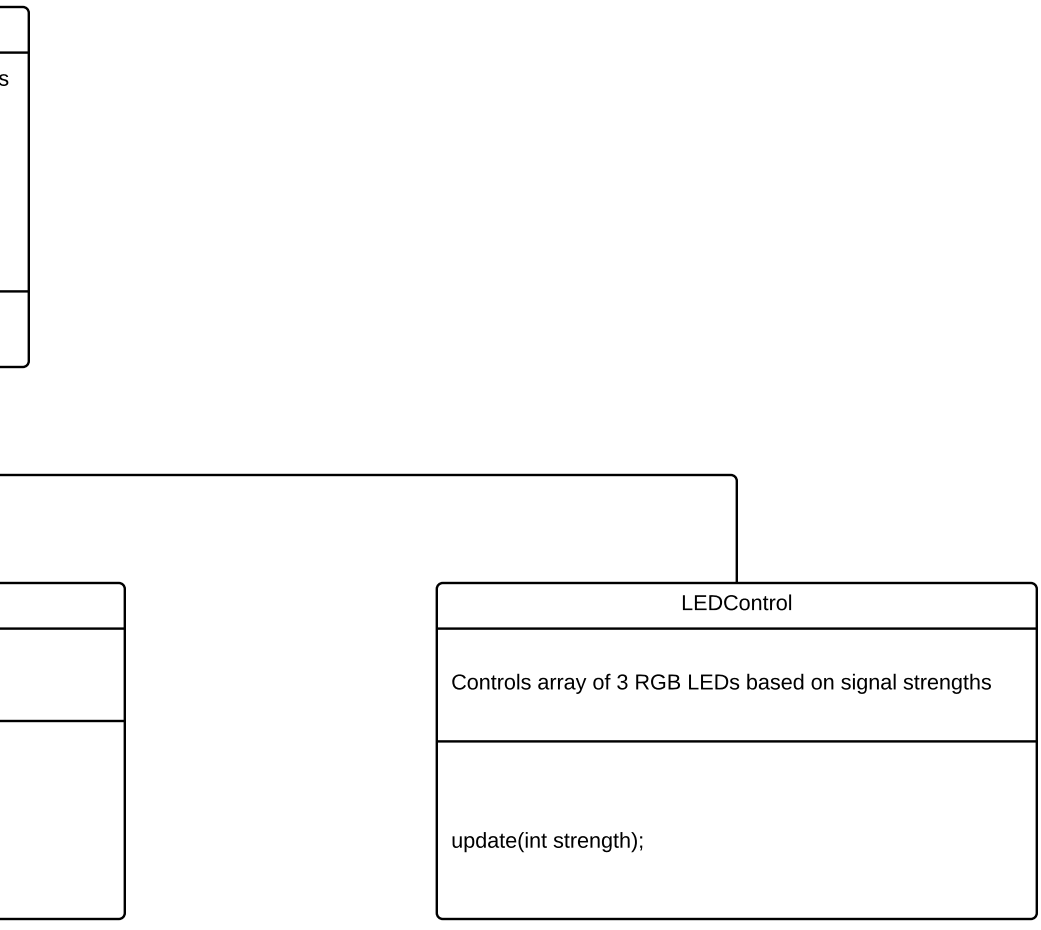

String SSID: A
int strength: R
float scaledStr
bool connecte
AccessPoint(s


Whiffy
Top level device
WifiControl wifi;
Reporter reporter;
update(): Calls wifi.getAP(), passes to reporter.update();
AccessPoint
SSID: Access point SSID
ength: Raw RSS strength data
caledStrength: Strength scaled to percentage
onnected: True if module is connected to this AP
sPoint(string SSID, int strength): Constructor
WifiControl
Gets access point information, returns an ArrayList with AccessPoint objects to be passed to reporter.
public getAP(): Returns ArrayList of AccessPoint objects
private pollAP(): Returns char buf
private parser(char buf): parses buf,creates ArrayList
Reporter
Takes in ArrayList of APs, sends to Statter, recieves statistics to send directly to output devices
ArrayList APs
LCDControl lcd
LEDControl led
Statter stats
bool mode (FALSE for Average, TRUE for Current)
update(APs): Sets new local APs, calls statter and sends Avg/Curr to LCD, LED update functions
Statter
Takes ArrayList of AccessPoints and returns statistics on request.
Statter(ArrayList APs):
update(ArrayLst APs, bool mode): Returns percentage depending on mode
AvgStrength(): returns avg strength percentage
CurStrength(): returns current strength percentage
LCDControl
Controls uLCD
update(int strength, bool mode)
printStrength(int strength)


s
LEDControl
Controls array of 3 RGB LEDs based on signal strengths
update(int strength);