

# Home Controller

Jordan Wilson



# The Idea...

- ✱ Build a hub that is connected to some lights.
- ✱ Build a web app to control the lights remotely.
- ✱ Build a working light example.



# Target Audience

- ✱ Home owners.
- ✱ Businesses.
- ✱ Collage students.



# Technologies & Features

- \* Arduino Uno with ethernet shield.
- \* Arduino = server?
- \* A web app that turns the lights on and off.
- \* Dimming, timers and renaming lights.



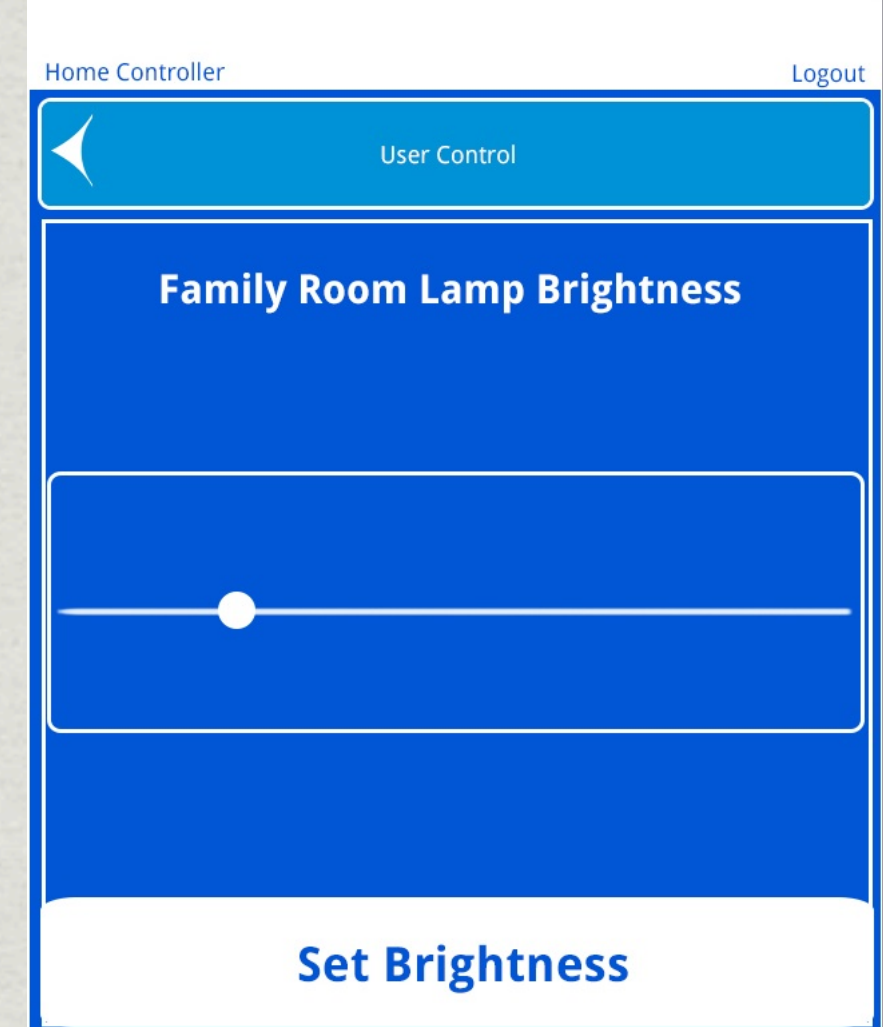
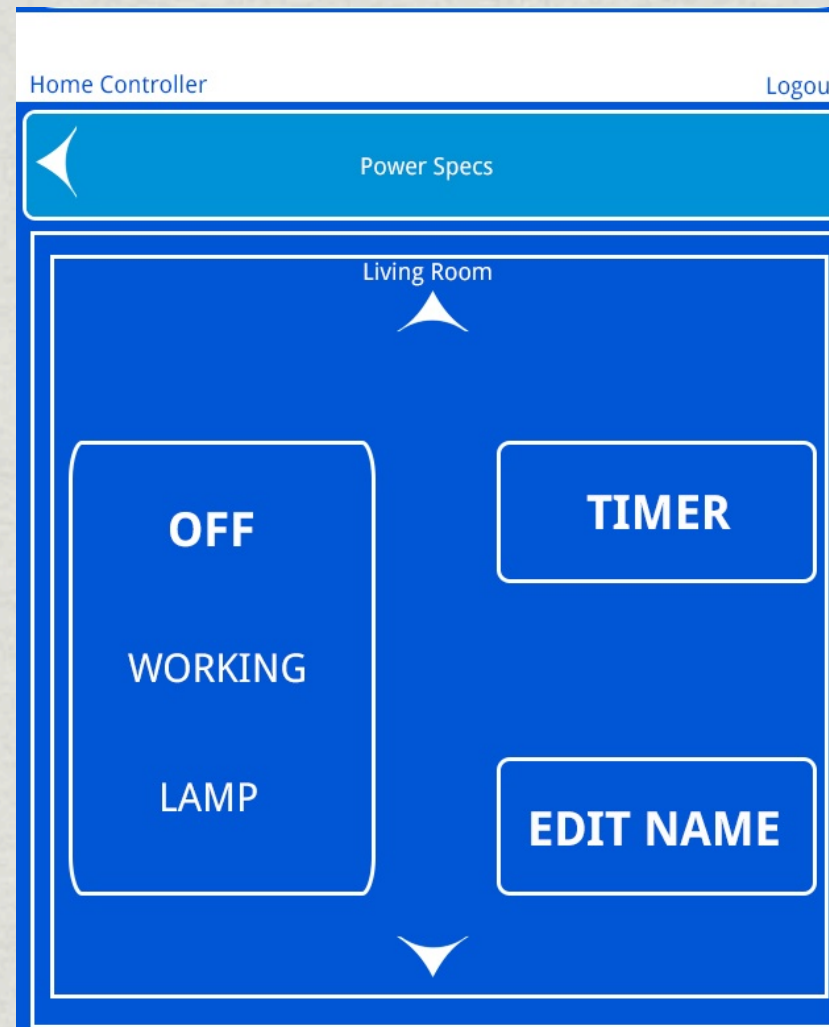
Logo



# Home Controller



# Key Frames





# Timeline & Budget

**ARDUINO- \$21**  
**ETHERNET SHIELD- \$45**  
**SENSOR- \$5**  
**LEDS- \$3**  
**RESISTORS- \$5**  
**BREADBOARD- \$12**  
**JUMPER CABLES- \$13**  
**TOTAL- \$104**

## Home Controler

Project Lead: Jordan Wilson

Start Date: 3/5/15 Thursday

WBS	Tasks	Task Lead	Start	End
1	Month One	Jordan	3/1/15	3/31/15
1.1	design basic layout			
1.2	Work out basic concepts			
1.2.1	building the hub			
1.2.2	testing scripts			
1.3	connect to the internet			
1.4	finish all test scripts			
2	Month Two	Jordan	4/1/15	4/30/15
2.1	combine test scripts			
2.2	connect to a server			
2.3	build different button states			
2.4	get most working together			
3	Month Three	Jordan	5/1/15	5/31/15
3.1	get all working together			
3.2	test			
3.3	finalize design			
3.4	present			



# Thank You!