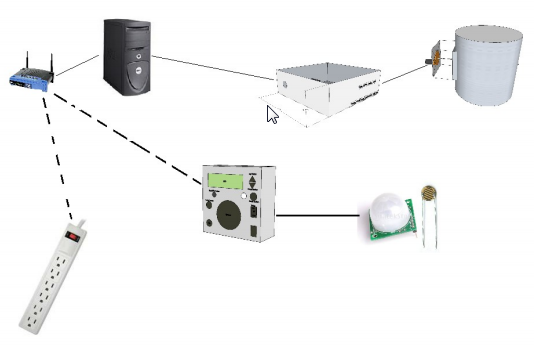
T O D D R O G E R S

C H R I S T O P H E R J O H N S O N  
D A R I O B O S N J A K  
L E V I B A L L I N G

**SMART HOME**

C O M P U T E R E N G I N E E R I N G F I N A L P R O J E C T

2 0 1 2



*T A B L E O F C O N T E N T S*

**INTRODUCTION……………………………………………………………………………....1**

**FUNCTION………………………………………………………………………………….......1**

**Software Functionality…………………………………………………………………..1**

**Hardware Functionality…………………………………………………………………1**

**PROJECT IMPLEMENTATION……………………………………………………………..2**

**I N T R O D U C T I O N**

While the prices of living are going up, the main focus is to involve technology to assist us with maintaining those prices and still provide manageable living costs. With this in mind the Smart Home project will allow us to build and maintain a house that is smart enough to keep the energy levels down while providing the most automation possible. A smart home will take advantage of its environment and allow seamless control whether you are present or away. With a home that has this advantage, you can know that your home is performing at its best in energy performance.

By implementing this project we were able to explore a variety of different fields of engineering, including software programing, PCB design, Wi-Fi TCPIP protocols, Web Server logic design, and other aspects. This project turned out to be providing great insights to both sides of engineering hardware and software vise.

**F U N C T I O N**

SOFTWARE FUNCTIONALITY

HARDWARE FUNCTIONALITY