

Cover Page

COMPSCI 345 / SOFTENG 350 Human-Computer
Interaction

Assignment Three: High-Fidelity Prototype:

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Task One: Design Documentation

Persona:

Ana Davis is 34 and a successful litigator. She works full-time in the city and lives a half hour drive away. She lives alone and has no close neighbours.

Scenario:

People: Ana Davis

Activities: Turning on porch lights.

Context: At an office.

Technology: The Home Automation application on her computer.

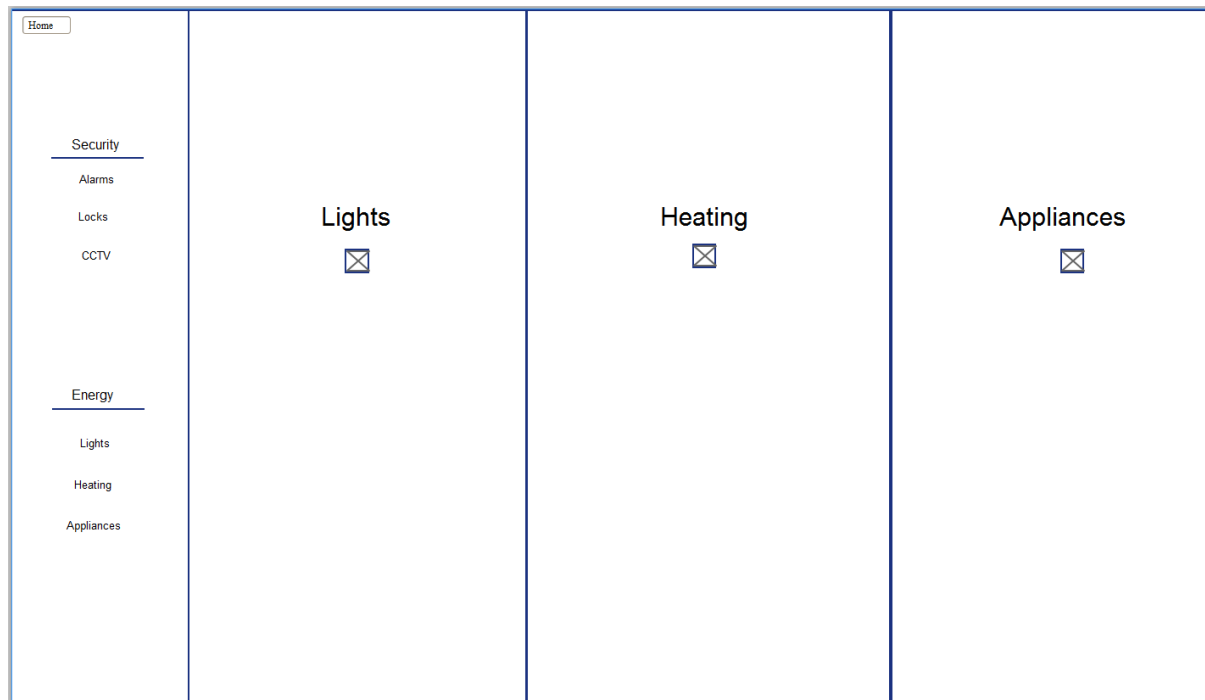
It's winter and Ana is planning to leave work at her usual time of 6pm. The time of year means it's already dark. Ana is nervous about slipping over when she hurries out of the cold from her car to her front door. She uses her Home Automation application to turn on the porch light which will illuminate the path and provide visibility to any obstacles in her way.

Walkthrough with wireframes:

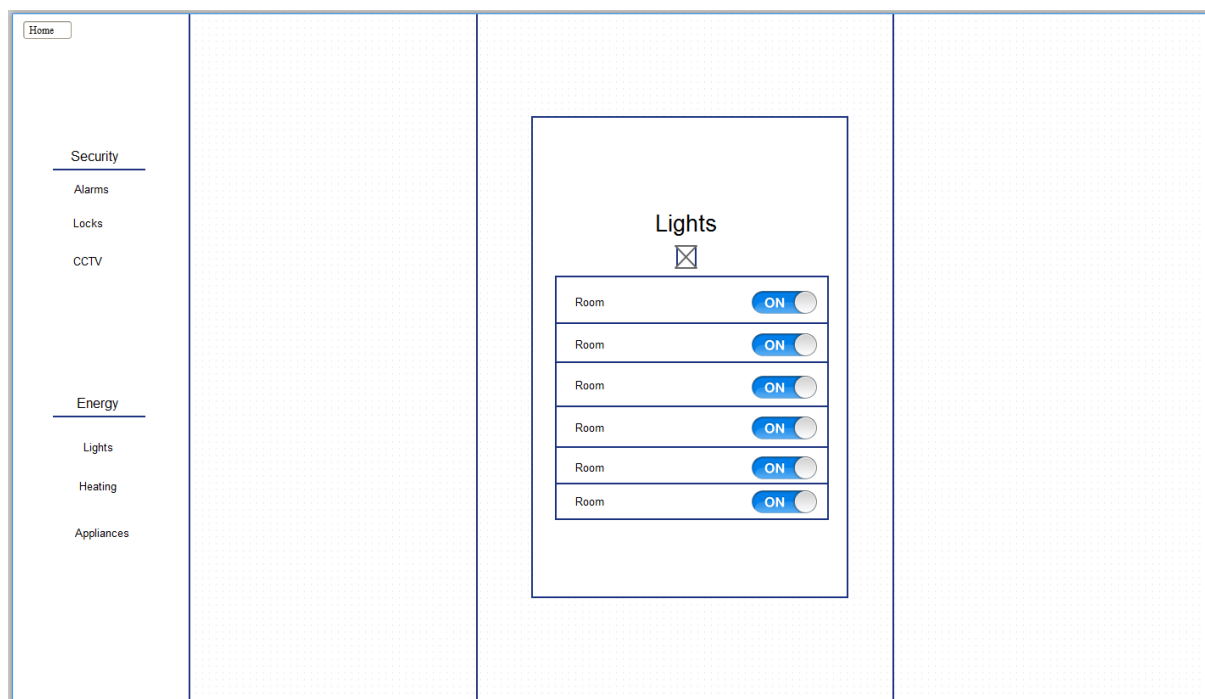
A simple main menu shows the users the two sections the automation system is divided into; Security and Energy. The square boxes under the main headings are icons which represent the options within each menu. There is a Log Out button on the top left. The scenario makes use of the Lights function so the user clicks within the Energy box (which displays a Lights icon below the heading) to bring up another menu.



The Energy menu is divided into three sections as advertised by the icons on the previous page; Lights, Heating and Appliances. The icons remain under the headings for emphasis and universality. On the left hand side is a navigation bar which is present in all pages except the main menu. It provides the user with a Home button to return to the main menu screen and quick links to all the applications functionality. The user wishes to access lights so they click anywhere in the Lights segment and are taken to the next page.



The aforementioned left-hand side navigation bar carries through to this page. It has a simple gradient background which the menu floats in the centre of. All available lights are shown as is their current status which is able to be changed by the user by switching from off to on or vice versa.



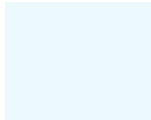
Colour Scheme:

Blue Monochrome and White:



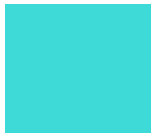
RGB: 255, 255, 255

Navigation bar background and text colour, white space used in Home Page on either side of menu containers. Used as a divider between containers.



RGB: 237, 250, 253

Containers change to this colour when the mouse hovers over them. First third of the Lights page.



RGB: 61, 218, 215

Security container colour on main menu page. Lights container colour on Energy menu page.



RGB: 42, 147, 213

Energy container colour on main menu page. Heating container colour on Energy menu page. Lights panel container colour on the Lights page. Hover over menu items in the navigation bar colour.



RGB: 19, 85, 137

Appliances container colour on Energy menu page. Last third of the Lights page. Text colour on the navigation bar. Text colour in Lights menu.

The colours used in the application are crisp, bright and eye catching. Colours are high contrast for readability. The colours when combined give the application a fresh and modern feel. Blue implies trust and dependency which are two important characteristics you would expect from an application which your home was connected to. Since this application is not targeted at a specific gender, blue is a safe choice as it is a colour favoured by both men and women.

Layout scheme:

The layout and styling for the menu pages is consistent through the application featuring evenly proportioned dividers. Halves and thirds are used to create visual balance. Symmetry is a main feature of the layout.

A thin separator line between menu items reflects the visual qualities of the label font. White lines are a consistent feature throughout the application and link the different aspects of the design.

The colour blocks are parallel to each other with straight edges for a clean, sophisticated and professional look. To add a modern touch, the font, the icons and the buttons are feature rounded edges, this also compliments the softer tones of the colour scheme.

Resources used:

- Bootstrap 3.3.6 – All icons are Bootstrap glyphicons. Found throughout.
<http://www.getbootstrap.com/>
- Bootstrap Toggle – Turned my Bootstrap Checkboxes into switches, found in Lights menu
<http://www.bootstrap-switch.org/>
- Google Web Fonts (Josefin Slab) – Used as the only font, found throughout.
<https://www.google.com/fonts#UsePlace:use/Collection:Josefin+Slab>