Nathan Novakowski-Tejuco

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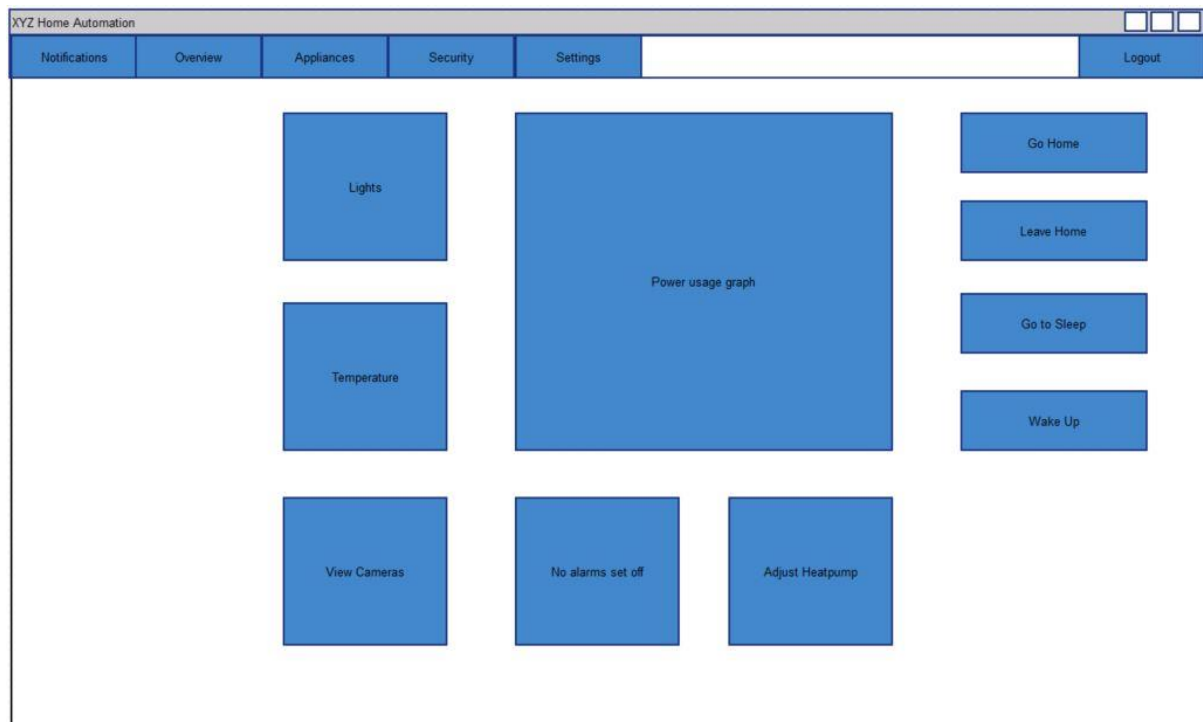
Assignment 3

## Design Documentation:

Persona:

Sarah is a 39 year old receptionist at Bayer, who works 9am-5pm Monday to Friday. She is married to Bob who is a full time general contractor, with whom she has two children Scoop aged 10, and Roley aged 12. Together they live in a 4 bedroom house in Forest Hill. They also own a 6 month old puppy, Scruffty. Wendy's main life focus is her family, and she is very protective of her children. She is a very nervous person and is unsure about her children walking home alone. She wants a quick and easy way to check if Scoop and Roley make it home after school, as she does not always have the freedom to call. She also wants a way to view through a camera what her children and dog are doing while she is away from the house. Although Wendy is comfortable using her laptop, she is less comfortable using her smartphone. Home automation technology is completely new to her. She is excited but slightly nervous to begin using the new technology. At work she is always on her Bayer issued laptop. For this reason she is unable to install any new software so will need to use a browser based interface.
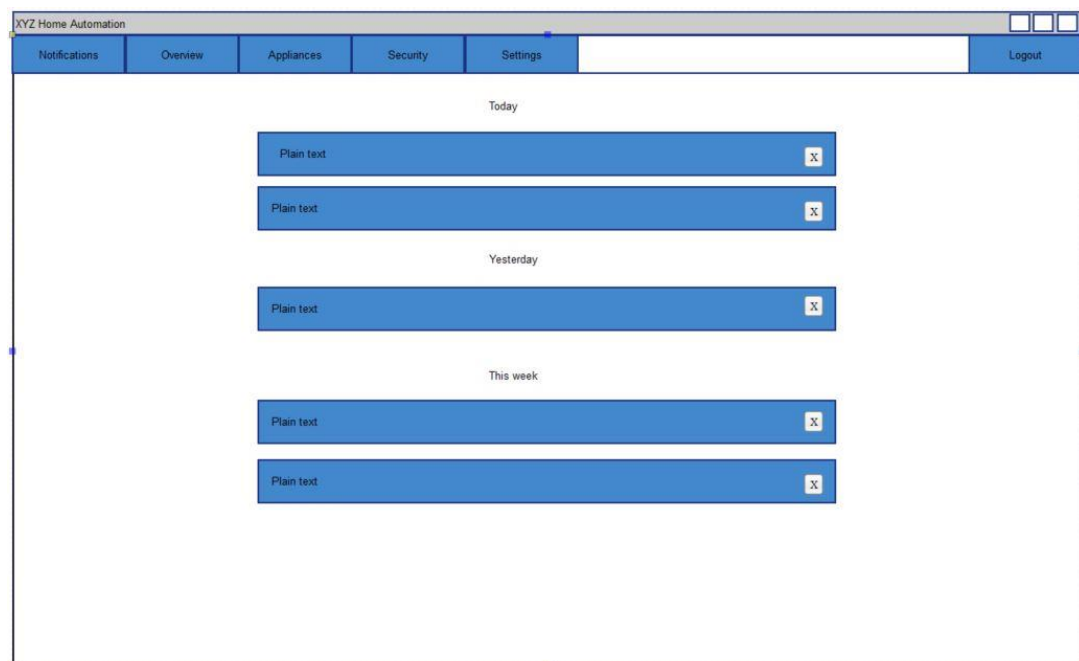
Scenario:

Wendy Cooper is at her work in the afternoon. Her children finished school an hour ago and should now be at home doing their homework. She wants to check that this is the case and that her children are not wasting power by leaving lights on unnecessarily and that the puppy isn't making a mess. To check the status of the house, she opens up the web-app and sees that there is three notifications. She checks these and sees that the front door was recently opened. This is a good sign but she wants to be sure it is indeed her children. She then opens up the security page to view the security cameras. They show that the puppy is sleeping and that the children are watching TV in the living room and not doing their homework, but they made it home. She noticed that three lights from the overview page, so checks the appliances page to view which ones are on. The study light is on but no one is in the room, so she turns it off.
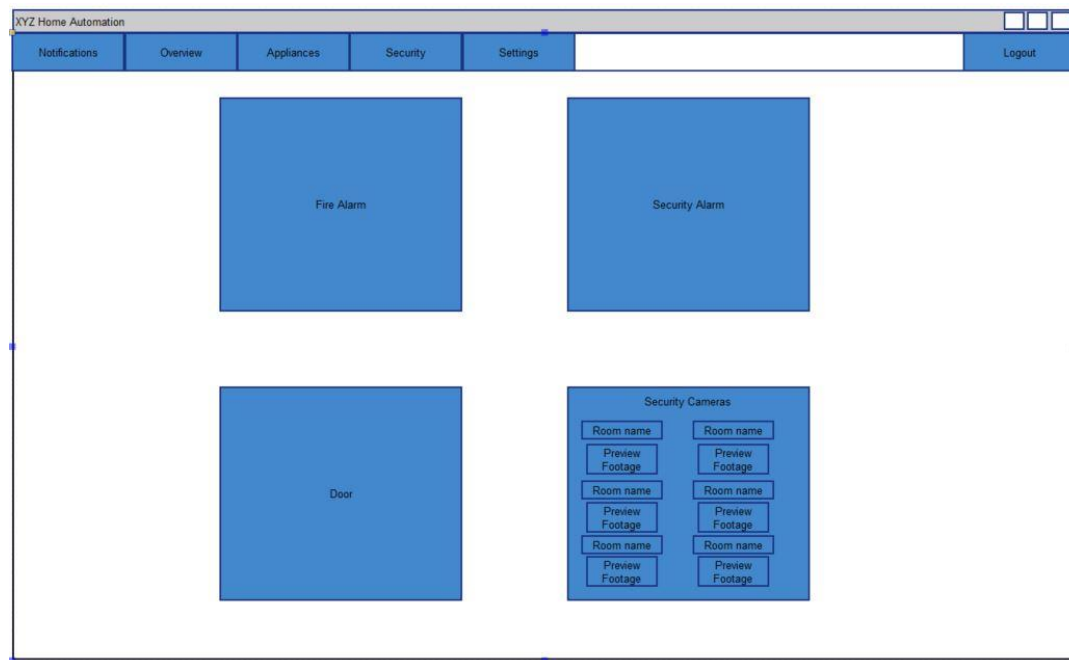
Overview page:



She opens the web app to the overview screen. She notices that three lights are on, which is odd because her children usually stay in the same room. She sees there is three notifications on the navigation bar, so clicks on the notifications link on the navigation bar.
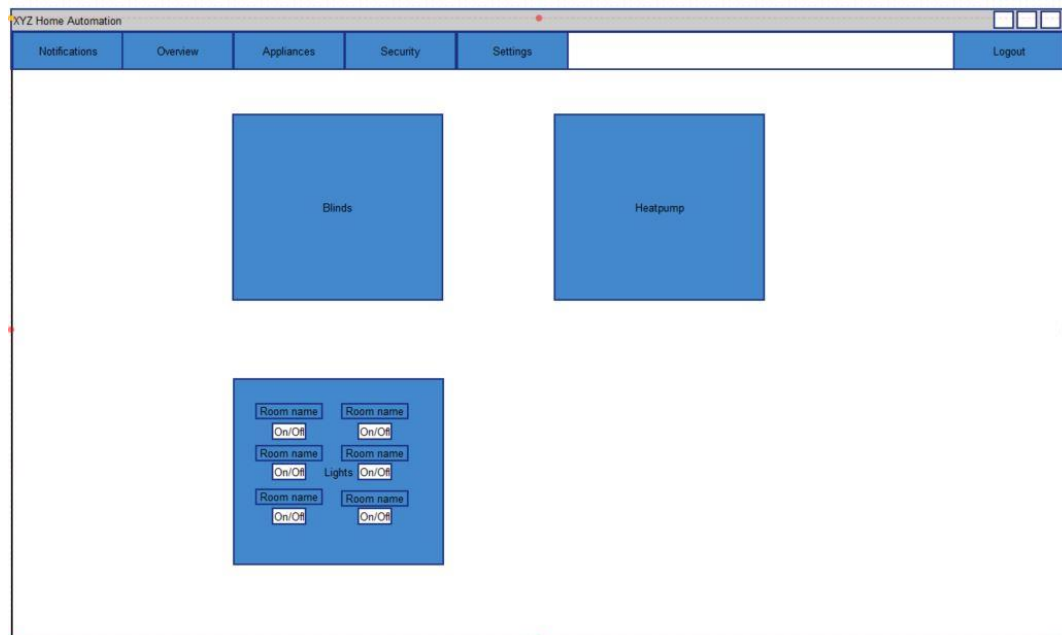
Notifications page:



She views her notifications, which tell her the front door was opened recently. She decides to check that it was Scoop and Roley so she clicks the security link on the navigation bar. Once again she forgets to dismiss the notifications.

Security page:



She notices movement from the living room camera, which she clicks on to pop-up a larger picture of the camera. She sees her children are watching Spongebob and the dog is asleep. She decides to check if the children left any lights on that aren't needed. She clicks on the navigation bar to view the appliances page.
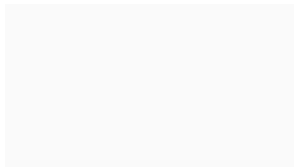
Appliances page:



She notices that the study room light has been left on even though no one is in the room, she turns it off by clicking on the dropdown box and selecting "Off".

## Colour scheme:

My site will be a grey monochrome except for the use of a bright blue used sparingly to draw the eye to particular elements.
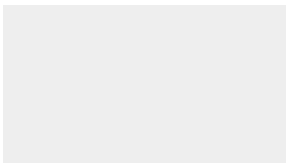
Colours to be used:

(250,250,250)
Overall site background.

(51,153,255)
Icons, site icon, navigation bar text, button description colour, and button border colour.

(238,238,238)
Button background.

I will use a grey monochrome colour scheme to give the site a feel of simplicity, which will hopefully encourage users to persist during the learning phase of using the site. This will be contrasted with the use of a fully saturated blue, used for the icons and most text. The use of this colour will draw the user's eye, so they notice these important details of the site. I will not use this colour more as overuse of fully saturated colours can be distracting and tiring to the eyes.

## Layout Scheme:

Each function of the site will be grouped two-fold, one where they will come under "Appliances" or "Security". After they will then be grouped according to what they will effect, for example functionality related to switching lights on and off will come under "lights". Each of these second groupings will be raised from the background by use of a light grey surrounding box (238,238,238) which is darker than the background. This will also separate each of the groupings as they will not be connected to each other.
Icons will be used for all buttons and links in the navigation bar. This is to increase the cognition speeds when using the site. Users will be able to see the shape of icons faster than they can read the words of buttons. However descriptions of the buttons and navigation links will still be on the site, so that new users who may not understand the meaning of the icons can still use it.

## Resources used:

-Bootstrap: Provided pre-determined css styles, important for the navigation bar and the layout of the site (through the use of columns). Also provided "glyphicons" used as icons in the navigation bar and dropdown buttons.

-Lightbox.js: Used to simulate the pop-up of the security camera. Allows a pop-up image after the correct link is clicked.

Image sources:

Living room: http://www.home-designing.com/2009/07/28-red-and-white-living-rooms

Scoop's bedroom: http://rilane.com/furniture/17-awesome-car-inspired-bed-designs-for-boys/

Roley's bedroom: http://mipedia.com/cheerful-bedroom-to-inspire-your-kids-room/

Master bedroom: https://en.wikipedia.org/wiki/Bedroom#/media/File:Bedroom_Mitcham.jpg

Garage: http://www.sunburstrealty.net/?attachment_id=1701

Spongebob: http://images.huffingtonpost.com/2015-07-14-1436902565-6235018-SpongeBob_5.png

Fire: https://www.emergencyreporting.com/product/fire/

Alarm: http://www.freepik.com/free-photos-vectors/alarm

Shield: http://www.clipartpanda.com/categories/knight-shield-clipart-black-and-white

Camera: https://thenounproject.com/term/watching/2457/

Lightbulb: http://www.clipartpanda.com/clipart_images/ios7-lightbulb-outline-icon-44862746

Thermometer: http://www.clipartpanda.com/clipart_images/fundraiser-thermometer-11826511

Note: All images where further edited to fit with the sites theme.