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Computer science 345

Assignment 3 _ Part 1

PART 1

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1. Walkthrough with Wireframes

I. Persona

Elizabeth Walker who is 34 years old married women. She is seeking for perfection, not just for her career, but for her kids and also earth such as energy efficiency. All three should come under her control with minimum time taken. In addition, because of her occupation which is graphic designer, she is working with computer most of the time at the office.

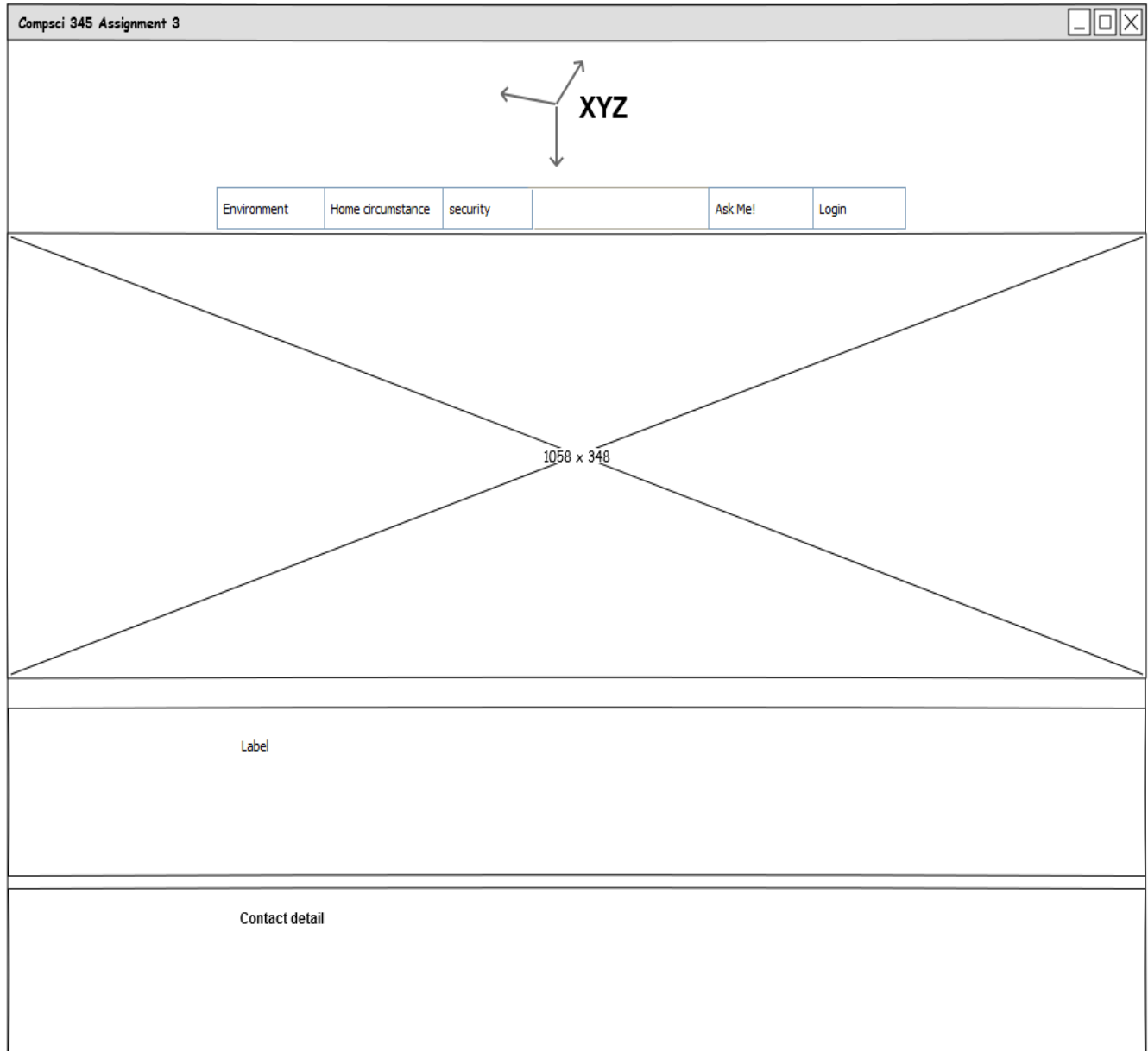


II. Scenario

During her lunch break, Elizabeth is reading an article about energy efficiency in homes. The article features a section on XYZ's IoT services and how they can be used to save energy. She goes straight to her computer and after login the pages, opens her browser to check the energy usage of her home. After checking usage, she wants to apply green solution to the room which has highest energy consumption. For example, opening door after turning off the air cleaner. And since she is perfection, she always never forgot to log out.

III. Prototype

1. index (home page)



This page is home page which is first page of XYZ website.

From the top, there is logo, menu bar, big image, greeting text such as “Welcome to ...” and at the bottom, there will be some details about person who made this website.

If user click “login”, it will go to 2 (login) page below.

Like the same way, all the menu bar linked to each pages.

2. Login (login page)

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XYZ

Environment Home circumstance security Ask Me! Login

Login

User ID

User Password

1057 x 375

You're not our member? [Sign in now!](#)

Forgot your password? [Don't worry. Click here!](#)

Contact detail

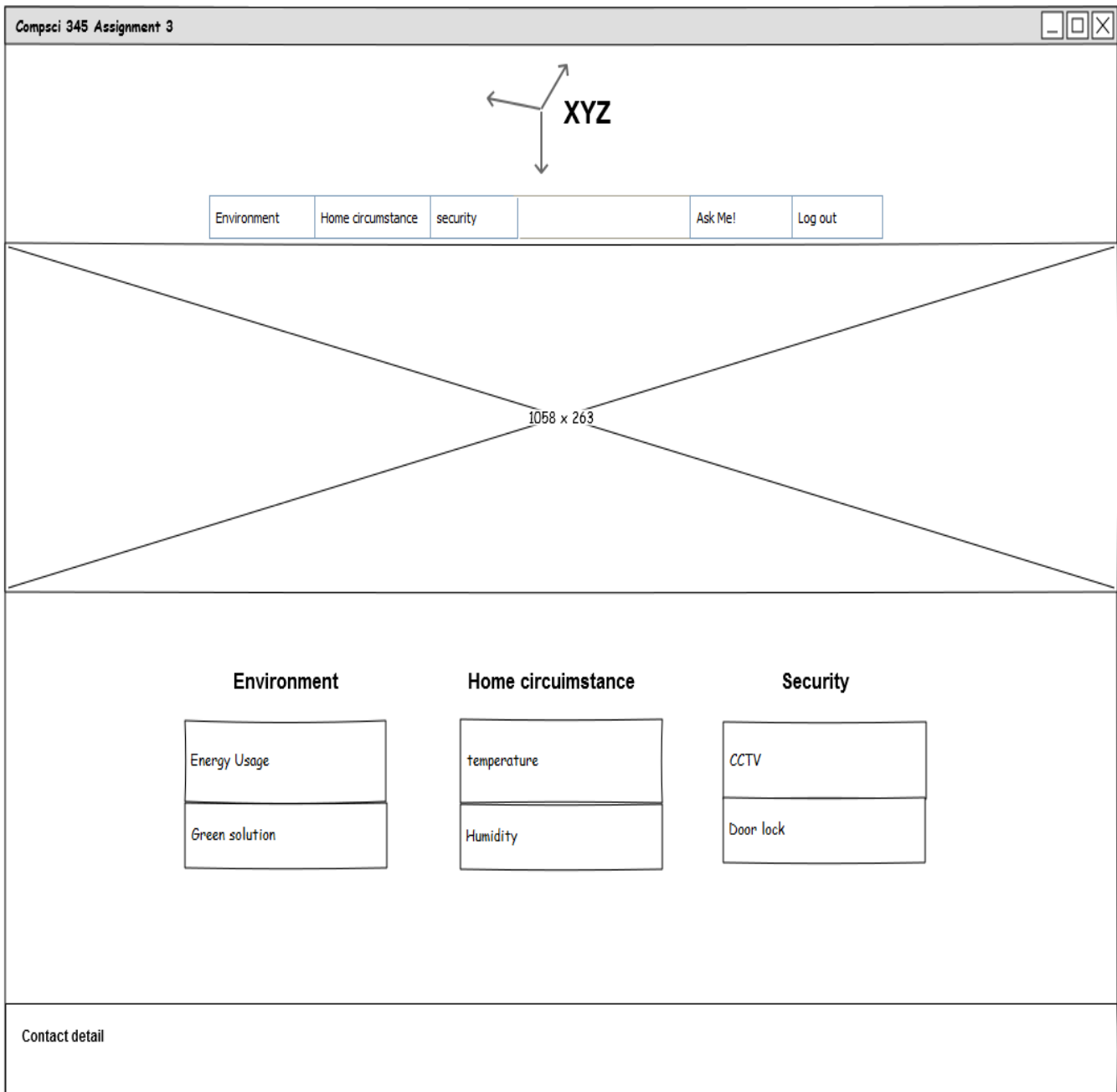
This is login page which is appeared when user click “login” menu at the top.

User enter their account and click login button.

This login button will make pop up which is said “Welcome” and automatically change pages to 3 (log_off).

At the bottom, it shows contact details. Also, if user click logo at the top, it returns to first page 1 (index).

3. Log_off (after log in, base page)

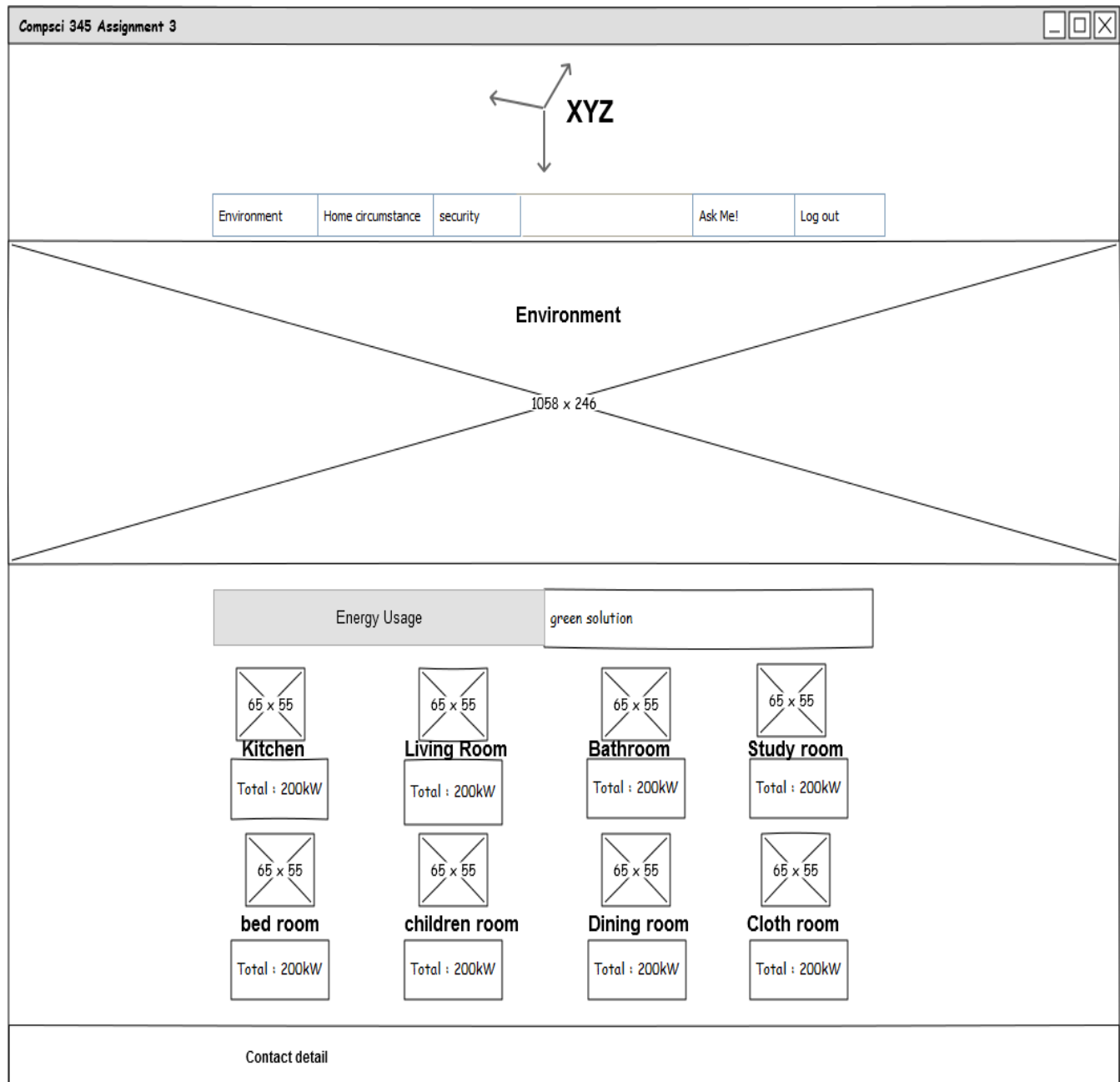


This is private page after user log in.

Structures are similar except middle part. Middle part shows that 3 functions and further details about these functions (big menu bar). Therefore, user could easily check functions and click it once.

Clicking "Log out" or logo with "XYZ" at the top leads to 1 (index) page, "Energy usage" leads to 4 (click_env) page and "Green Solution" leads to 5 (green_way) page.

4. Click_env (when user press ENVIRONMENT section)



This is Environment first page which is energy usage page.

When user click "Environment", it leads to here. Until image part, the structure is same.

And below image, there are align two boxes which is shown which part of "environment" section you are in. Following 8 images and text boxes show list of rooms with total energy usage. At the bottom, contact details is shown.

Furthermore, "Log out " is linked to 1 (index) and "green solution" is linked to 5 (green_way) page.

5. Green_way (When user click “green solution”)

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XYZ

EnvironmentHome circumstancesecurityAsk Me!Log out

Environment

1058 x 246

Energy usage

green solution

65 x 55

Kitchen

Setting ☒

65 x 55

Living Room

Setting ☒

65 x 55

Bathroom

Setting ☒

65 x 55

Study room

Setting ☒

65 x 55

bed room

Setting ☒

65 x 55

children room

Setting ☒

65 x 55

Dining room

Setting ☒

65 x 55

Cloth room

Setting ☒

Contact detail

This is green solution page which is one of environment functions.

In this page, user could set green solution such as open door instead of turn on the machine. The structure is same with 4 (click_env) page. Only difference is contents of text in 8 text boxes.

Also, “Log out” is linked to 1 (index) page and “energy usage” or “Environment” is linked to 4 (click_env) page.

2. Color Scheme



#333333 RGB: 51,51,51

Navigation menu bar background and contact detail background



#666666 RGB: 102,102,102

Navigation menu list text color



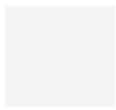
#808080 RGB: 108,108,108 grey

Inside image box and detail box (at the bottom) background color



#bbbbbb RGB: 187,187,187

Navigation inside of menu border between lists



#F5F5F5 RGB: 245,245,245

Background of next Big menu list above contact detail.

#FFFFFF RGB: 255,255,255 white

Text color in contact detail at the bottom



#FFA500 RGB: 255,165,0

All the highlight position such as inside of big image, the text color. And below big image, two menu bar in page 4 and 5, highlight color.

I chose monochromatic of orange with black and white monochromatic.

The reason why I used these color is:

Firstly, black and white (middle:grey) makes website looks simple and not complexed. As XYZ has lots of functions, it is easy to make confusion to user using system. Therefore, I chose simple color to see everything in once. However sometimes, it is need to have highlight to know about status such as where user be in website now. That's why I use orange color in mono color of white and black. Because orange color normally gives warm feeling (first time I reminds sunsets and orange color is most relevant color of sunsets) also energetic, bright and happy.

3. Layout Scheme

Firstly, all the contents vertically lined up (vertically lined up makes user look website comfortably, gives stress to read everything once if it is lined up horizontally)

There are big 6 part of grouping from the top to bottom.

Page 4(click_env) and 5(green_way) are good example to show grouping by using different methods.

From the top, grouping 1 is logo. It contains logo and company name.

grouping 2 is navigation which is menu bar. It has list of all the menu.

And it separates with horizontal lines, vertical border, and space.

grouping 3 is image section. Image separate sections naturally.

grouping 4 is greeting. Simply using text and space, it shows group.

Grouping 5 is menu-details. By using colors and text structure (looks like a table), it is separated. Grouping 6 has detailed section. Here also used color difference.

Particularly, in grouping 5, there are one more other grouping as you can see page 4(click_env) and 5(green_way). Using icon shows more clear to recognize section and meaning of each sections without reading text.

4.Resources used

- Bootstrap source
 - Makes structure more simply such as (col-md-4) separation.
- Icon image
 - ➔ From <http://www.shutterstock.com/pic-283692515/stock-vector-set-of-lovely-and-vector-interior-design-room-types-icons-in-trendy-flat-design-featuring-living.html>
 - Using icon makes user easy to recognize the menu. (Also orange color gives highlight in simple menu)
- Ultra-modern-house Image
 - ➔ From <http://sakhinabilah.club/ultra-modern-house/>
 - Color of image has orange, grey and white. image produces balance on the web page. Also, indirectly user can guess web site's object (what things about) through house image.
- Java script sources
 - ➔ From <https://www.cs.auckland.ac.nz/courses/compsci345s1c/tutorials/Prototyping/#user-content-linking-pages>
 - From given information, learned making button. (used in login section and setting at the green solution)