



Save Ourselves

DGM6501 WEB CREATION BOOT CAMP

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Introduction

- Goals:

Issues of the environment have been more and more serious than ever before. Global warming increases the possibility of extreme weather and Global disaster. A few years ago, scientists predict the 1.5C threshold of the environment. Now, there are only 0.5C left for us. The goal of this website is to wake up everyone to save our lives. Global warming and pollution are the two main issues this website will introduce and it provides several advises to save the environment. This website will recall people's mind on our living environment protection and guide them with some daily activities to protect the environment.

- Audience:

The audience of this website is all the normal people who have no idea about the condition of our living environment and those people who know the importance of protecting the environment but don't know how to do.

- Measure success:

To measure success, the best way is to measure the daily pageview. The more people browsing our website, the more success we are.

Navigation

The navigation bar of the website is on the top of every page. It includes for navigation items and one logo. When double click the logo, the website will go back to the landing page. There are totally two types of navigation bars. The first type is in the landing page. This background of this nav bar is none.

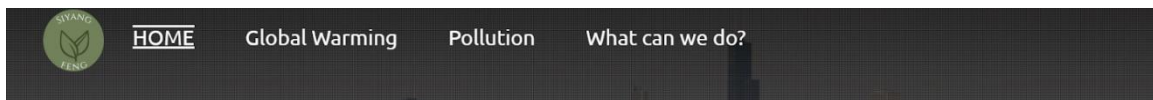


Figure 1 Navigation bar - style 1

The aim is to make the whole landing page into the one image. And the second type is in the other pages.

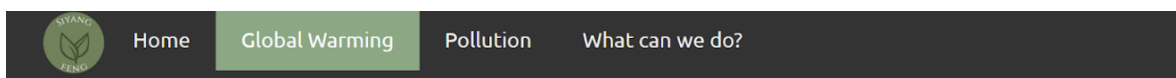


Figure 2 Navigation bar - style 2

The menu is responsive and if the screen size is smaller than 576px, the nav bar will be a hamburger bar.

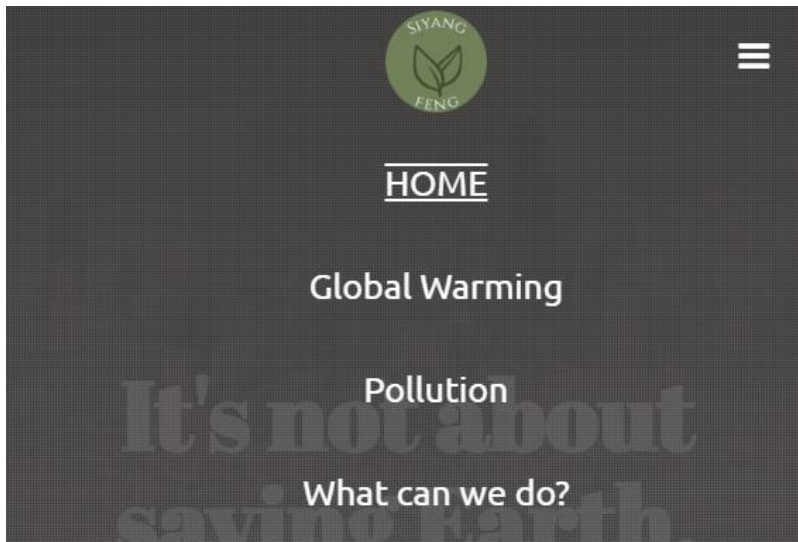


Figure 3 Navigation - hamburger bar

The current tab is highlighted and clear the position of where the page is.

- **Home**: It's the landing page of this website. And it plays the image slide auto-display. There are three different images and words included in landing page. All the animation in landing page is designed by CSS.
- **Global Warming**: It's the information page introducing global warming. There are mainly two parts included. The main part (left side) displays the introduction about global warming and the condition. The second part (right side) collection the news about extreme climates.
- **Pollution**: This page introduces the pollution conditions. There are two sections. The first section is creating by two tables of data which introduce the conditions about air pollution and its negative effects. The second section is the video about air pollution.
- **What can we do**: This page introduces six behaviors which can reduce the waste and pollution. There are six cards and each card describe one behavior.

Directory Structure

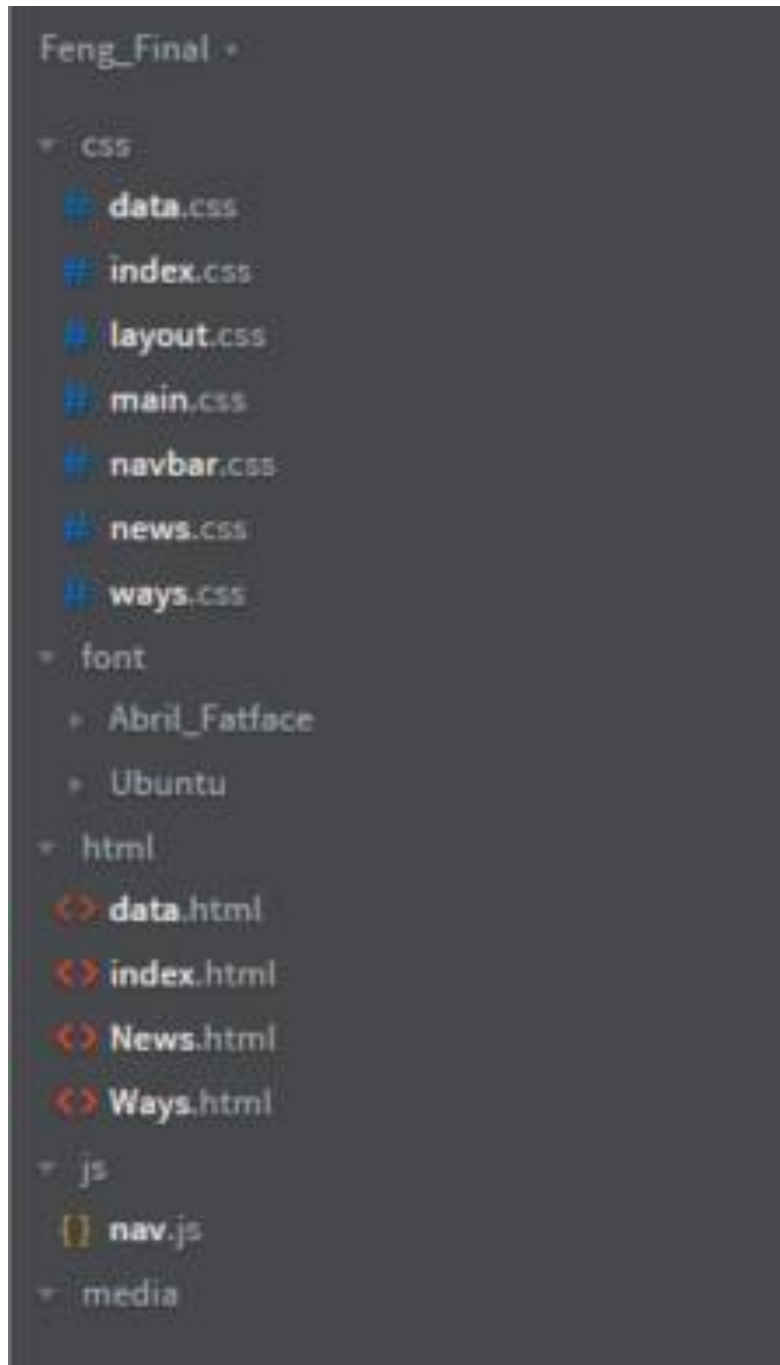


Figure 4 Directory Structure

Wireframes



Figure 5 Wireframe 1 - Landing (Home) page

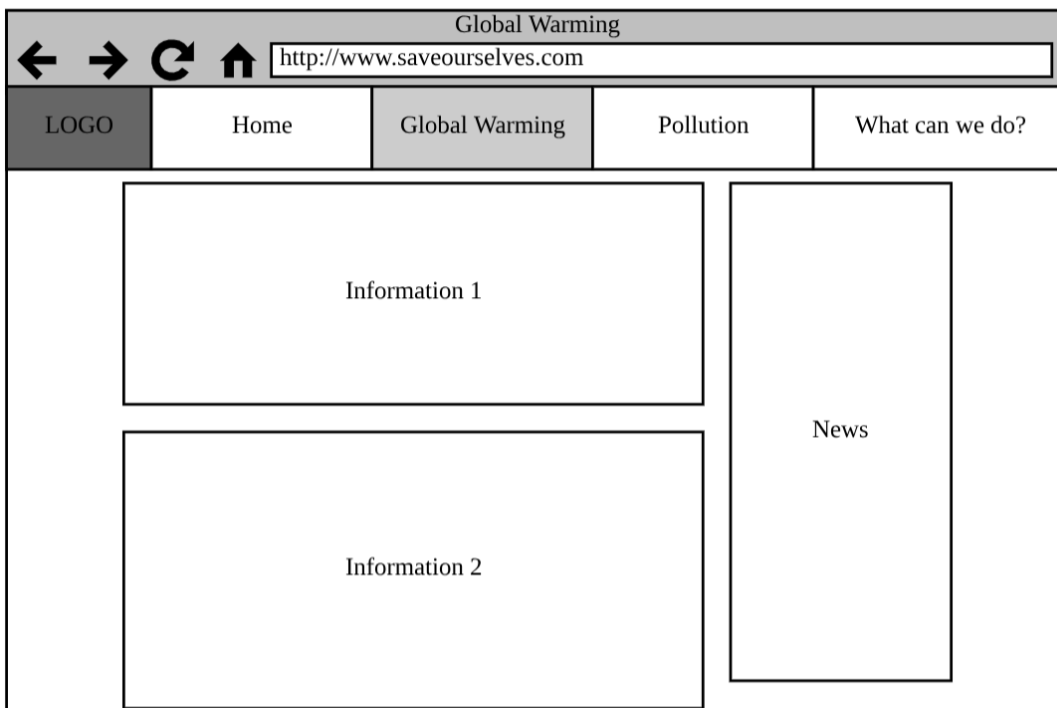


Figure 6 Wireframe 2 - Global Warming page

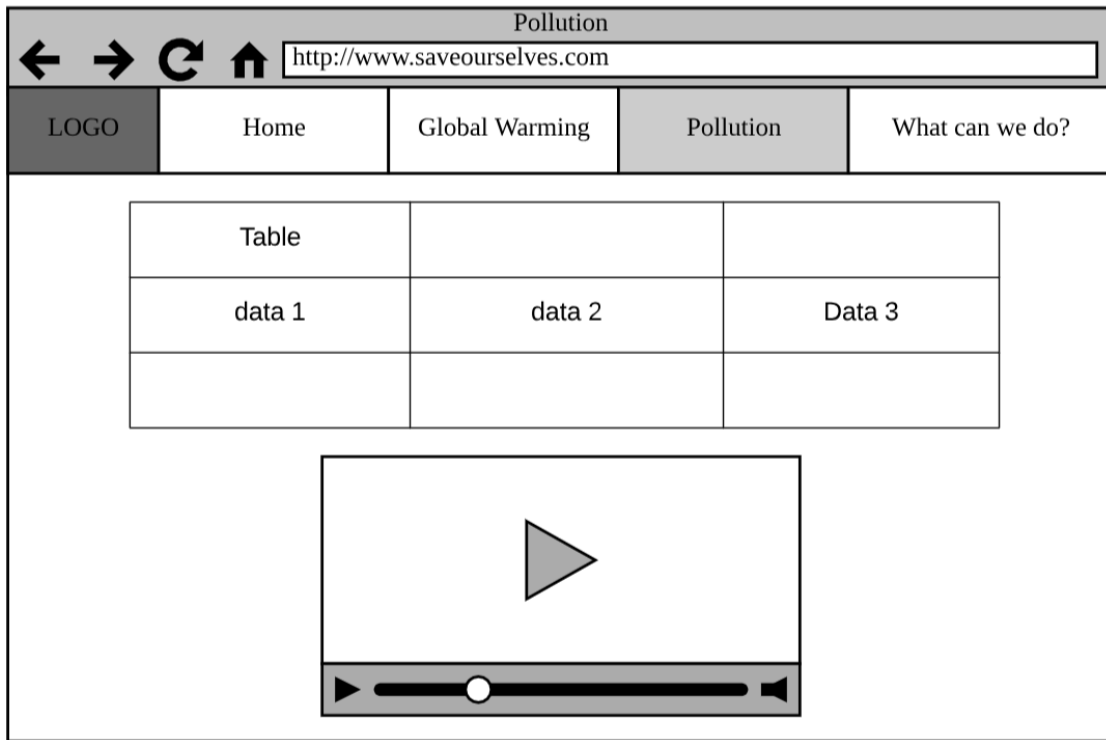


Figure 7 Wireframe 3 - Pollution page

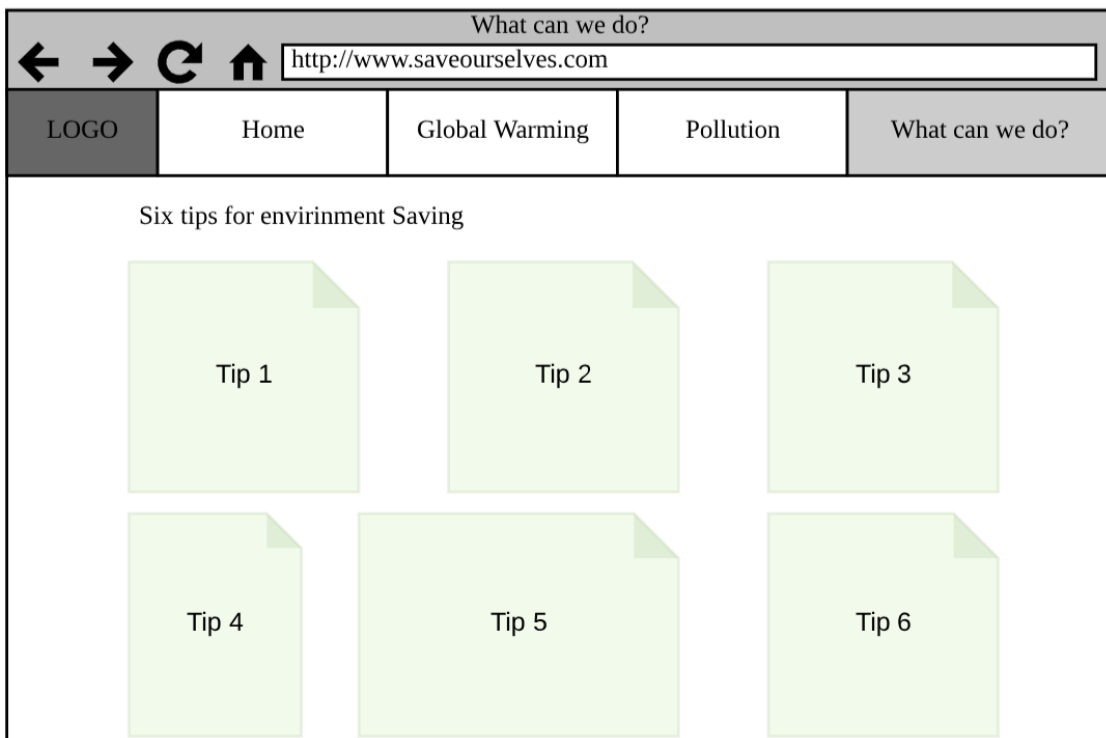


Figure 8 Wireframe 4 - What can you do page

Sitemap

Sitemap for Architectural Site

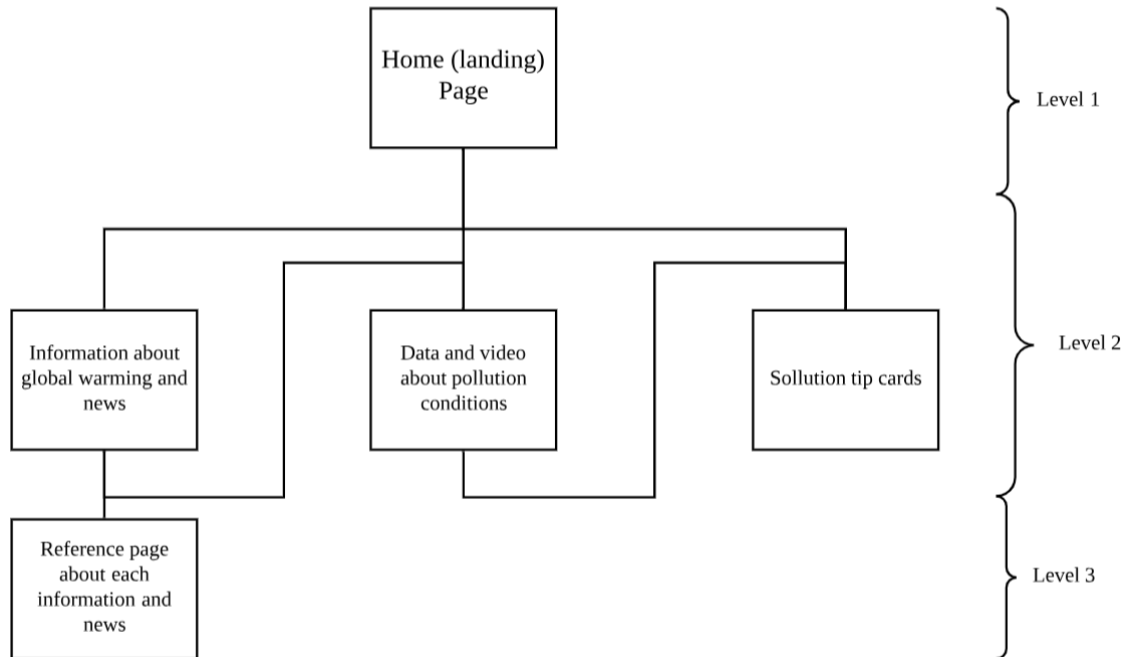


Figure 9 Sitemap for website architecture

Fonts

Web font is normally divided into two types, serif, and sans serif. Serif font looks more formal than Sans Serif in general. Thus, the serif font is used in the landing page and the title of each content in the later pages. Normal paragraph words will use Sans serif type.

- Fatface and Ubuntu

Abril Fatface, one of Serif fonts, will be used as heading and landing page title. Ubuntu is one of the Sans Serif fonts which is not such formal and looks active. Environment pollution is a serious topic which might look depressive. So, a positive font can reduce the depressive feeling when going through the website.

Color Scheme

- **Black-White-Grey-Brown-Green:**

This website will totally use five colors. My topic is about environment protection. The first one will show how bad our environment is now. In this section, I prefer black and grey which is mixed by black and white. Because the negative traits of black are death, evil and rebellion. The color means the bad environment and pollution will finally lead to the death of the life. White is opposite from black which means salvation. Also, the white font will be clearer in black background. Also, green means hope and brown means earth and nature which can decorate the website with colorful not only black and white. In this way, the green and brown can give people hope about our living environment if we start to save our environment. The brown and green cannot be too much which will looks disordered.

Reference and Sources

Reference for normal html, CSS and JavaScript:

- www.w3schools.com
- <https://www.w3schools.com/js/>
- <https://github.com/twbs>

Reference for CSS animation (ease in and out):

- <https://css-tricks.com/ease-out-in-ease-in-out/>

Reference for cards:

- <https://codepen.io/saiyedfaizan19/pen/EERjyq>

Reference for landing page image slideshow:

- <https://tympanus.net/codrops/2012/01/02/fullscreen-background-image-slideshow-with-css3/>

Reference for icon:

- <https://fontawesome.bootstrapcheatsheets.com/#>

Reference for web page design:

- <https://www.websitebuilderexpert.com/designing-websites/awesome-home-page-design-layouts/>

Conclusion

It's hard to use pure html and CSS only without any framework and industry structure. There is one challenge that rewrite the layout structure which is similar to bootstrap. The parameter define is important to the website layout. Also, when design the layout, the responsive design is very important. In webpage creating, the responsive layout can make the page responsive easier. One of the other challenges is the landing page animation. I want to create the image slides which is in auto-display in the landing page. The animation about image display and text display sequence is difficult for me. I think front-end html and CSS coding is not very difficult than others but time consuming. The animation time point define is one of the time-consuming sections. I have to test the best display model.

In the future, the hamburger menu should be improved. When I don't click the hamburger menu, the logo is on the left top of the page. However, when the hamburger menu is clicked, the logo is change into the middle top of the page. It looks strange. I plan to fix the position of the logo later. The next thing I want to improve is the right-side text in the global warming page. I want to fix the position later and when the screen slides, the right-side text will always display. I have tried but the position define is still not good. In the "what can we do" page, I want to change the card animation into that when the mouse on, the page will turn over and display the text detail.

This course is really interesting because it teaches me a lot of very useful knowledges about front-end coding. It's very important in my future career development.