

Dynamic Web Design

Introduction:

Our website “FloaTrip” name is designed from “float trip”. Our website is going to design a social networking site, which users can view other users’ travel story and share their own travel story on website.

We have a full screen slider for users who are first use our website. Our homepage shows the main function of our website and random stories and comment from our database, which users can go straightly by clicking these headlines. On navigation bar, there are our main functions. “Category” shows the travel stories by different categories, “Feel Lucky” is designed to give users a choice who do not know what to view. “BBS” is a page for users to make no subject chat. “User” is designed for users and administrators to manage their stories, comments, and like list. They can add, edit and delete these contents. At the same time, a special tab for users who have permission to publish travel stories. “Search” is a link to make users get story quickly.

View travel story:

This is our first main function. Users can view other travel stories by category or random story on the header. (“Feel lucky” is considering about user experiments, who do not know what to view.) If users view by category, different category will show random picture of this category, which can make a quick look for users. In each story, users can see the story content, how many people add this story to their like list and find location by Google Map. In addition, users can make comment and click email icon to contact with writer. And users can share this story to friends by twitter, Facebook and google icon. On the right hand, there are similar stories we recommend. Users can log in to add this story to their like list and chat with others’ comment. “Join In” is for users to join to our website.

Users homepage:

This is our second main function. There are users’ personal information. Users can register or log in to manage their stories, comments and like list. They can share their stories on our website, and Administrators can manage stories published or unpublished. Common users and administrators can add, edit and delete their own stories when it is unpublished. If it is published, it can only edit and delete by administrators. Administrators are divided into different category management. For security, the administrators are only our member users now. If users want to be administrators, they can click email icon easily to contact with our group.

BBS:

This is a simple part, which consults user experiments that users want to chat with no subject.

Search Function:

Search function is for users to search. This function is on the navigation bar. This is a keyword search, people can get travel stories in a quick way.

Join in Function:

This function is designed for users to join in our website. Firstly, users need to register, which will check whether username and email exist in database, password match. Users can upload avatar images. If not, we have applied common image for users to chat. Log in part is a simple part for users to log in, which has been added to individual story page, BBS page and user homepage. It consults user experiments, which users do not need jump between pages to log in.

Part function pages:

The image displays two screenshots of the FloaTrip website. The left screenshot shows the Home page with a banner for 'FLOATRIP' featuring Big Ben, followed by sections for 'STORIES' and 'COMMENT'. The right screenshot shows the Category page for 'FRANCE', featuring a banner for 'NOTRE DAME CATHEDRAL' and a grid of travel stories including 'PLACE DES VOSGES' and 'EIFFEL TOWER'.

Home page

Category page

Yalin Fang s1710585

I am mainly responsible for all our back-end PHP and Database programming, and partly front-end HTML, Materialize CSS programming (made a new user homepage and search system, made part improvement of header, category and BBS page). Depending on alpha vision, I have done the following steps.

Firstly, I have stored our website contents into Database. There are seven tables in our Database. Table 1 ‘stories’ is main table for web content, which is stored our ‘travel story’ function content including story headline, category, writer, location, picture, and time of created, published and modified. Table 2 ‘category’ is stored categories and categories’ descriptions for helping to show in story content into different categories in ‘category.php’ page. Table 3 ‘writers’ is stored our users’ and administrators’ information including username, full name, email, avatar, password with SH1 encrypted. Table 4 ‘writer_permissions’ is stored administrators’ permissions for different categories. Table 5 ‘post’ is stored our website comment for individual stories and BBS page, which include post content, post username, category (story id or BBS). Table 6 ‘comment’ is stored comment information, which people make comment of others’ content on ‘post.php’ BBS page. Table 7 ‘likelist’ is stored what users like travel stories. With the more data taken from Database, the web page become longer than submission alpha, then I move the ‘back to top’ button to a floating button on the right bottom of our website. At the same time, with user log in or not, I use check function to apply different header (‘Join In’ or ‘Log out’) for them. For easily selecting content from database, I change the layout of category page into an easy and helpful way to show content in a short way.

Secondly, I have divided our website into public and personal parts. For public parts (‘index.php’, ‘category.php’, ‘id.php’, and ‘post.php’), which is improved from alpha vision, people can view main functions (expect post comments) without log in. For ‘index.php’ page, I selected stories and comments randomly. With considering the length of comments, I chose the top 30 characters. ‘category.php’ page shows stories by different categories. ‘id.php’ page is individual story page, which shows story content (including picture and location), writer information (full name, published time, email) and users’ comment for this story. Users can find information, picture, location, how many people add to their like lists and comments of this story, contact the writer by email or post comment on our website, share our web content by Facebook, Twitter, and Google, and users can also add to their likelist. There are also similar

recommend list on the right. For post comments part, people can log in to post comment and chat with others. Users can also use search function on the header to get story information by searching keyword, which use keyword search from database. At last, I add a random recommend on navigation bar. For personal parts ('user/index.php', users need to log in first), which I designed in this work, there are four functions 'my stories', 'my comments', 'my likes' and 'publish stories (admin use)' with different permissions. For common users, they can manage their individual contents, such as add, edit and delete their own stories, and delete their own comments or like list contents. For administrators (for security, currently only our members), besides common users permission, they can publish and un-publish stories, which categories they have permission. I have set administrators into different category, which they can only manage their category parts stories. When users add a new story, it would not be published right now until administrators click 'publish' button. If a story has been published, it can only edit by administrators. Depending on alpha vision, I have added users can upload avatar image on our website. With considering about storage size, image is limit in 500kb.

Finally, for security considering, I have used 'mysqli_real_escape_string ()' function in alpha vision to avoid some 'sanitise' inputs and SHA1 encrypting for 'login.php' and 'register.php'. In this work, I have added prepared statements in PHP to avoid SQL injection, when using 'INSERT' SQL query in add new users, stories from HTML form.

Siqi Chen s1716837

My main job is doing the graphic design of the sliders and screencast editing. We used sliders to address the function of our website because it's a powerful and direct way to attract visitors through several simple but informative pictures displayed on a dynamic web design style. First important design point of this page is using high saturation levels and pure colors as background to address the content on it and let visitors can easily focus on the functions we want to explain. Besides, these kinds of colors we choose can let people feel comfortable and relax.



Apart from that, the way we express our functions is through showing several vivid graphic designs rather than just some simple texts because human-beings are more acceptable to graphics especially in the internet and website field. So, in this part, we achieved an effective

way of showing information in both practical and aesthetic parts.

Besides, I made a screencast to show the main functions of our website.

S1712392 Haoyanzhang

My main job is designing visual element of the website using photoshop as long as the front end of the home page and story page using html and css.

Logo design

The logo is the combination of character 'F' and 'T' chosen from the title of the website 'Floatrip'.



Banner design

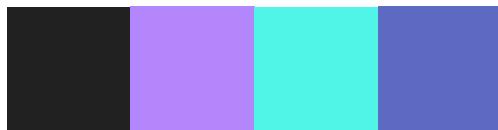
To make the parallax effect I created two layer of the banner, a background and a transparent layer with texts. I also created a pure transparent text banner for the story page.



banner



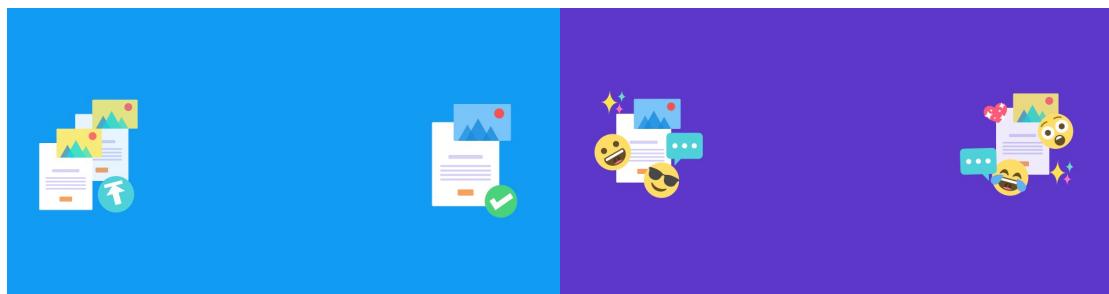
Color design



#22121 #5c6bc1 #50f4e7 #b386fc

The improvement of the home page

I was not satisfied with the original design of the home page. The original banner was not eye-catching and attractive enough, so I redesign the banner with new parallax effect. I used transparent pictures with the parallax effect and full screen size background to create more stunning first look of the website. I also designed new banners and logo for the website to give it a consistence appearance. For the color of the home page I changed the main color from purple to deep grey to give the website more mature look.



slier designs

The Alpha version of the home page seems to be too crowded with pictures and information, and does not really tell the users what the website is really about. According to feedbacks from several users, people easily got lost in the home page and had no idea what the website wanted them to do. So for the beta version I redesigned the layout of home page. I replaced large cards with photos with smaller one and put more users' comment in the comment part and then Yalin made these contents dynamic.

Redesign the story page

For the redesign of the story page I divided the page layout into two parts, on the left side is the main body of the story which included the title of the story the profile of the author and I also added a like button allowing other users to add the story to their like list. Beneath the story shows the photo user uploaded and comment section where other users' comment will be shown. On the right side of the website I use a card component to contain the map. As mentioned before I created a pure text banner for the story side so the website will use photos uploaded by the user as a dynamic background.

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