

Design Feature Plan

Through contrastive analysis with the bad and good website example, it's familiar a developed site should conform to the usual user navigation structure that often encounter from other sites. Depending on the size of windows, our website should be able to resize. This way could make our website more professional and intuitive to interact with.

Similarly to most of the common website structure, the home page should contain several basic buttons, such as login and sign up. The header part should also contain a navigation menu list and our company logo. To be noted, the logo can be hidden when scroll down to avoid covering some key information on the page. The footer part should be in a basic and normal form just as the other website from research we did. The header and footer will be consistent for each page. In addition, according to the requirements from the task, a searching capability is necessary for check-in; allowing user to check-in their locations by entering the check-in code. For this functionality, we might link to the back-stage to allow client login or sign up once they type in that box. Also, a map to get the information of hot-spot area and time-frame are required both in the front and back stage. Further more functionalities for back stage should be considered, such as post box and manage tools for notification, tables and filter for check-in history, also the controller of hot-spot and time-frames need to be implement as well. Considering to different user levels, the capabilities should be separated depending on different users. A back stage management system should be contain some private functionalities only for admin.

To improve user experience, a hamburger button and back to top button should be included into the design for both front and back stage.

Main page (Home.vue/index.html):

◆ Header bar

(consistent for each page, be able to hide when scroll down to avoid cover some information on the page)

- ❖ Logo (left-top): be able to hide when scroll down the page.
 - ❖ Sign up button (right-top)
 - Link to the back stage as pop up a new window.
 - Also a guide link linked to the log in window such as 'already registered'
 - Be able to sign up with social media/email account (Facebook, Google etc).
 - ❖ Login button (right-top, next to sign up button)
 - Link to the back stage as pop up a new window.
 - Be able to login with social media/email account (Facebook, Google etc).
 - ❖ Horizontal menu can be clicked and link to the related pages or parts
- ◆ Map
 - ❖ Show currently hot-spot area and GPS to see where the client are.
 - ❖ Be able to zoom in and zoom out or click and select a particular location.
 - ◆ Footer
 - ❖ Fake company contact details like phone number, email address, etc.
 - ❖ Copy right and some text information.

Hot-spot page (Hotspot.vue):

◆ Location list

On the side on the page, will show the framework for each location or shop.

- ❖ Similar to the main home page.
 - ❖ Initially shows few top hot locations as default.
- ◆ Map
 - ❖ Show currently hot-spot area.
 - ❖ Be able to zoom in and zoom out or click and select a particular location.

About us page (About.vue):

- ◆ Some fake information about our company and team

Back stage:

Main page:

- ◆ Side menu
 - ❖ Show different capabilities and guide client to the relative pages by clicking, including drop down list.
- ◆ Search bar
 - ❖ Search the check-in history by entering user id or check-in code
 - ❖ User are able to check-in their locations by entering a check-in code
- ◆ Notification button (top-right)
 - ❖ Shows the new messages as appearing red label
 - ❖ Mouse on can appear the most recent message

Notification page:

- ◆ Notification list
 - ❖ Shows all the messages as a list from the most recent one
 - ❖ Clicking to show more information like sending person etc.
- ◆ Search filters (to find particular message or sending person)
 - ❖ Time/date
 - ❖ Id/name
 - ❖ Etc.
- ◆ Post box area
 - ❖ Writing messages or post warning to user and venue
 - ❖ Contain sending button

Check-in history page:

- ◆ Search filters
 - ❖ Time/date
 - ❖ Address/distance
 - ❖ Venue/User name
 - ❖ Etc.
- ◆ List of results
 - ❖ Each result shows:
 - Name/id
 - Check-in time/date
 - Location

Map page:

- ◆ Map
 - ❖ View and modify currently hot-spot area and manage time-frame for admin.
 - ❖ Check if current location is in a hot-spot area (GPS)

Integration of Feature into Website

Information below is about how each feature will implement based on the user interaction in reference to the page/site.

Sign Up / Log In

- Clicking on the button located in the top right of the web page will pop up with a new window as a login page for users or venues. Also social media options can be accepted.
- Provide a link at the bottom of login box, it allows users or venues without accounts to transfer to sign up page.

Search / Filters

- Enter the check-in code, the users can check-in with the current location.
- Another search capability can also view the check-in history, by entering check-in code or through the filter.
- Further filters can be accessed after the initial search, based on id, date, location, etc.

Map

- Based on the check-in location that is entered, the hot-spot area and time-frame will show up for user and venue to see if they are in the hot-spot area or not.
- Zoom in and zoom out once user click and scroll their mouse.
- As admins, they can modify the hot-spot area and time-frame by entering or sorting the location from the back stage.

Language Selection

- Located in footer, arrangement of flags or drop down button with various languages to translate the page for language barrier.

Link Social Media

- In the login pop up window, there is social media or google login to link the account for easier login.

Navigation Bar / Hamburger buttons

- Hamburger button positioned in the header to list each div in the page, clicking on the respective navigation will direct the user to that part, allowing users to quickly reach where they wanna access. Hamburger button are also provided to instead the horizontal menu on the header for the mobile phone browsers.
- Positioned in the footer, there is a back to top bar, clicking on it can directly back to the top of the page.

Contact Info / Form

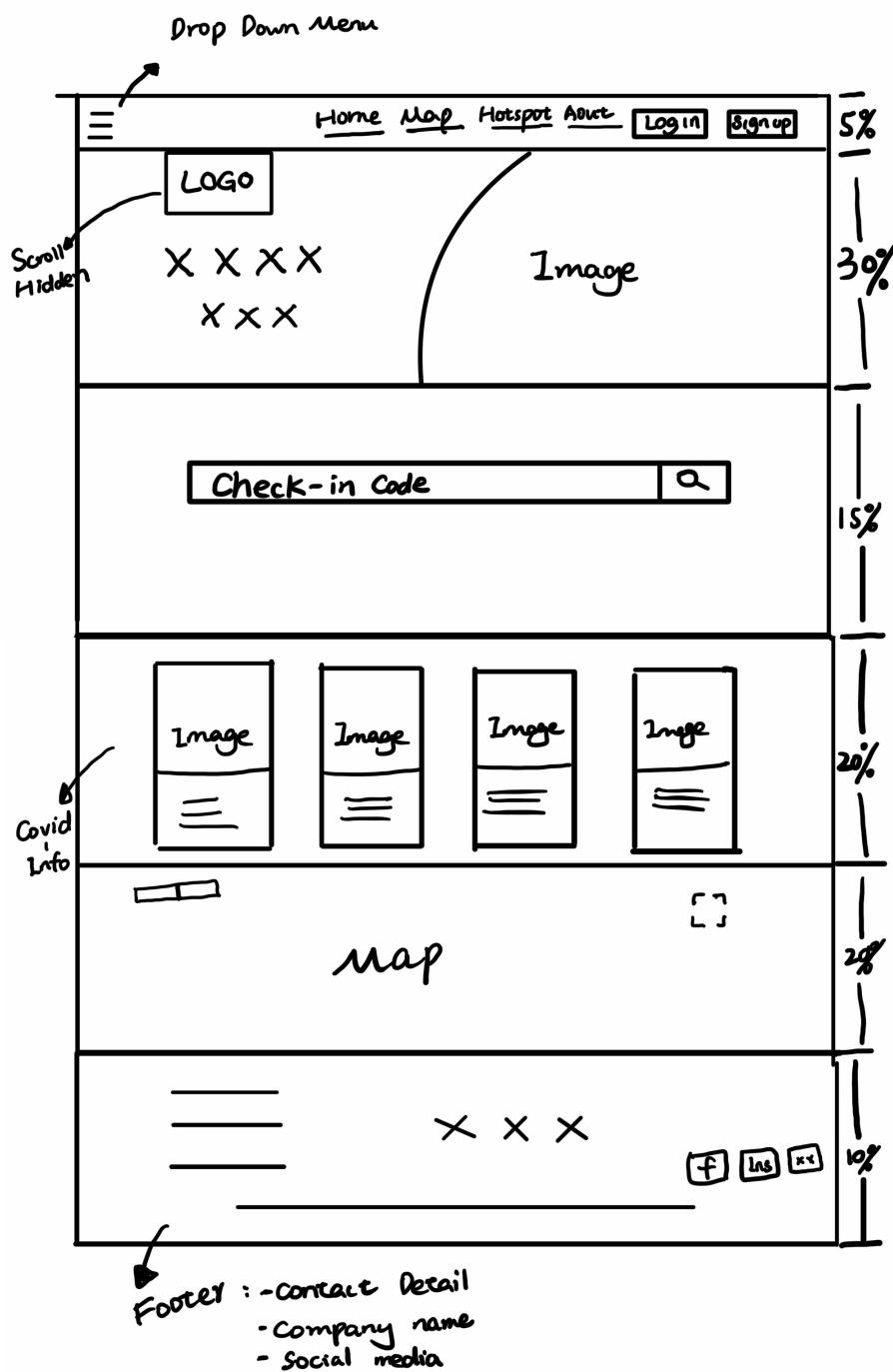
- Located in the footer, including the contact details of the company or submit feedback by typing the message in the box and sending through email by clicking the submit button.

Notification button

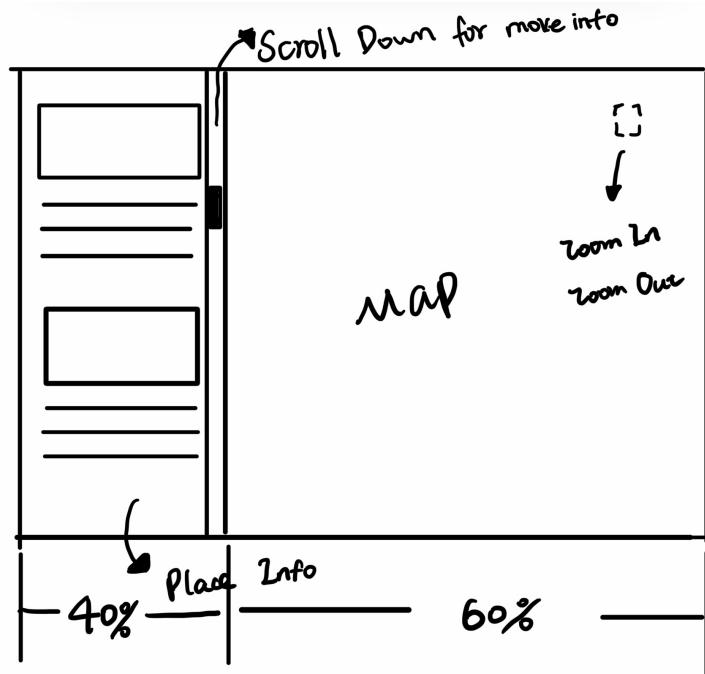
- A notification button for the back stage to remind client new messages in box. A red label will appear on the top of that button, once mouse on or click by mouse, further detail information will display as a pop up window and link to the notification page.

Site Design

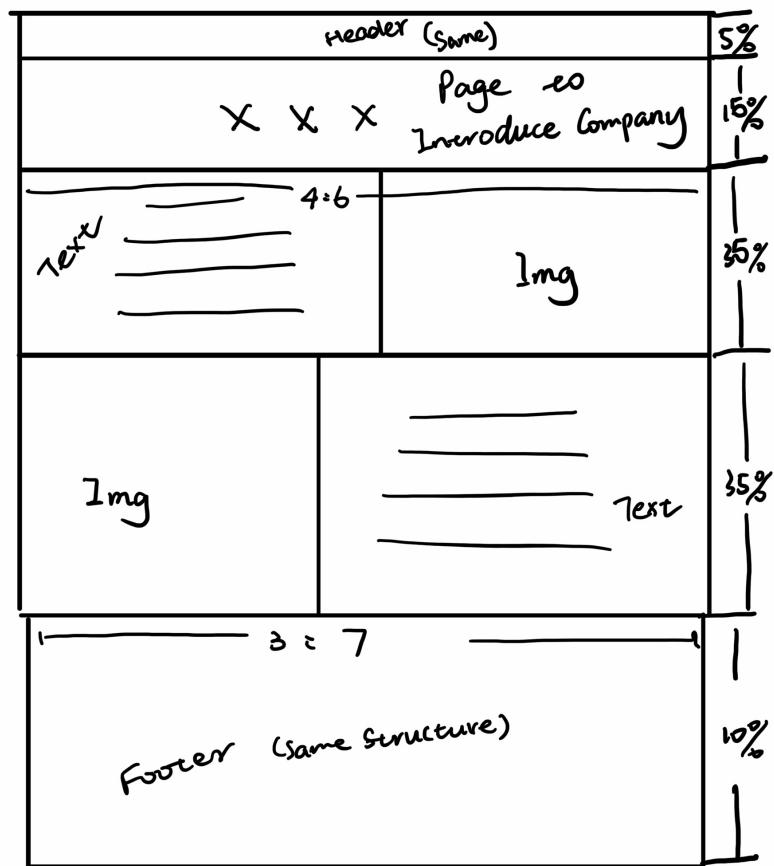
Home page:



Hot-spot Page (keep the header including the hamburger bar and buttons, same as the footer):



About Us Page (keep the header including the hamburger bar and buttons, same as the footer):



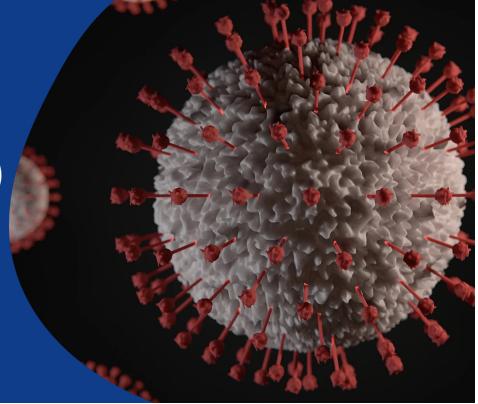
Using the web build-up app just for further web design draft to make more sense of what we wish to implement.

HOME HOTSPOT CONTACT Sign Up Log In

THE UNIVERSITY
of ADELAIDE

Coronavirus(COVID-19)

Tracing Application For Your Safety and Health



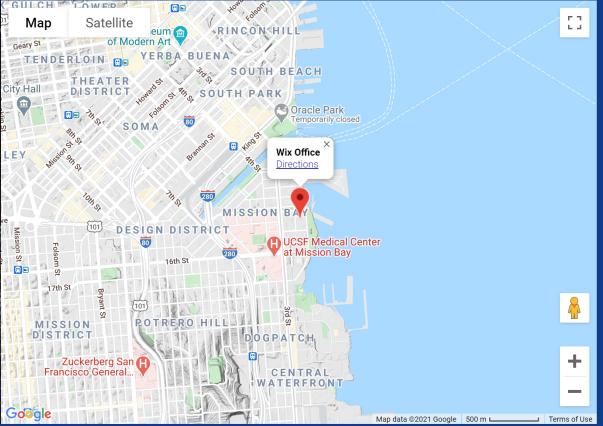


HOME HOTSPOT CONTACT Sign Up Log In

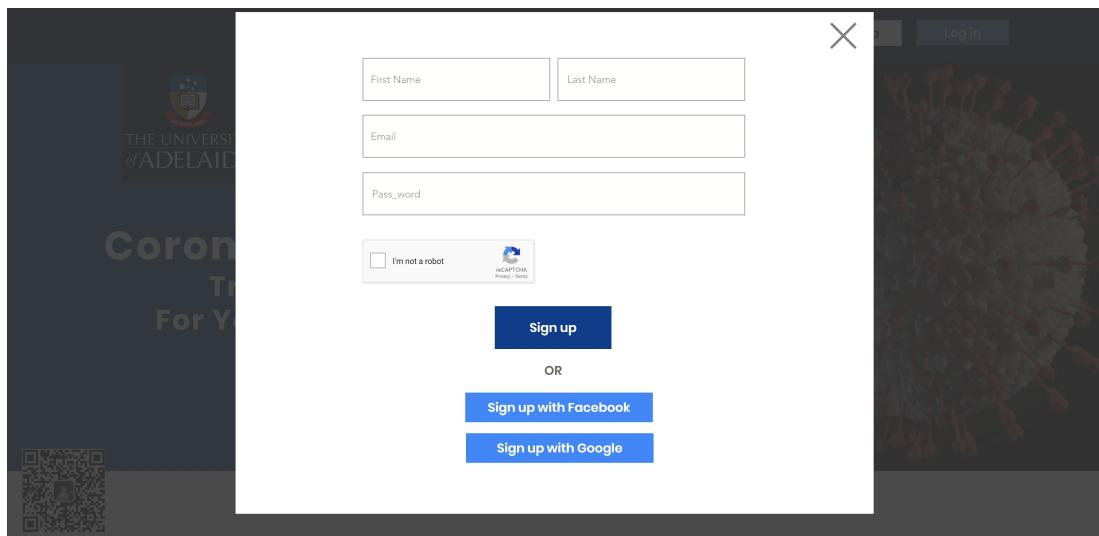
CURRENT HOTSPOT

I'm a paragraph. Click here to add your own text and edit me. It's easy. Just click "Edit Text" or double click me to add your own content and make changes to the font. I'm a great place for you to tell a story and let your users know a little more about you.

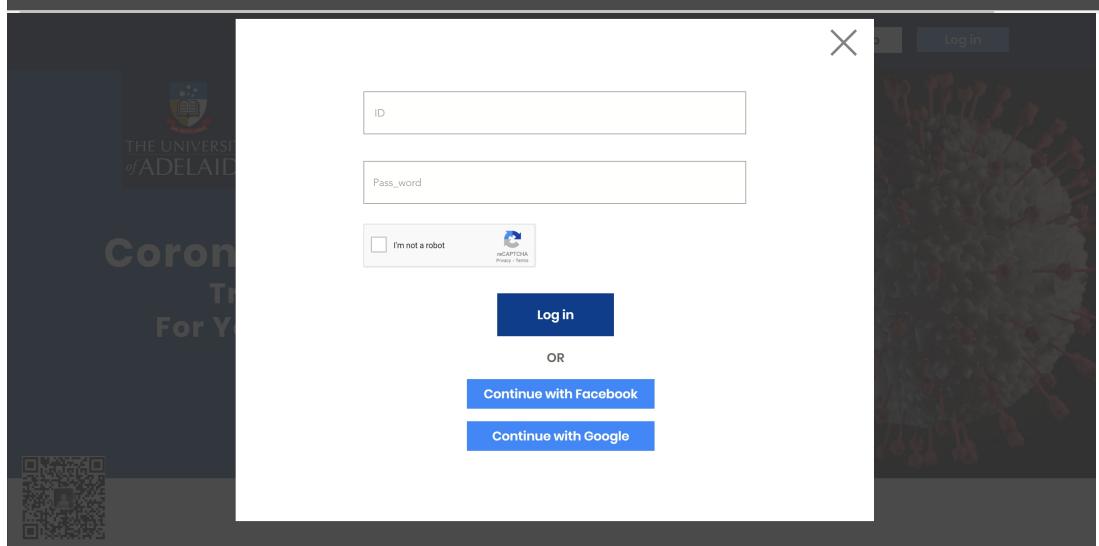


Map Satellite  Oracle Park Temporarily closed
Map data ©2021 Google 500 m Terms of Use

Enter check-in code >



The image shows a sign-up page for a COVID-19 tracing application. The background features a dark banner with the University of Adelaide logo and a QR code. On the right is a 3D rendering of a coronavirus. The form includes fields for First Name, Last Name, Email, and Password, followed by a reCAPTCHA checkbox. Below these are three sign-up options: "Sign up", "Sign up with Facebook", and "Sign up with Google".



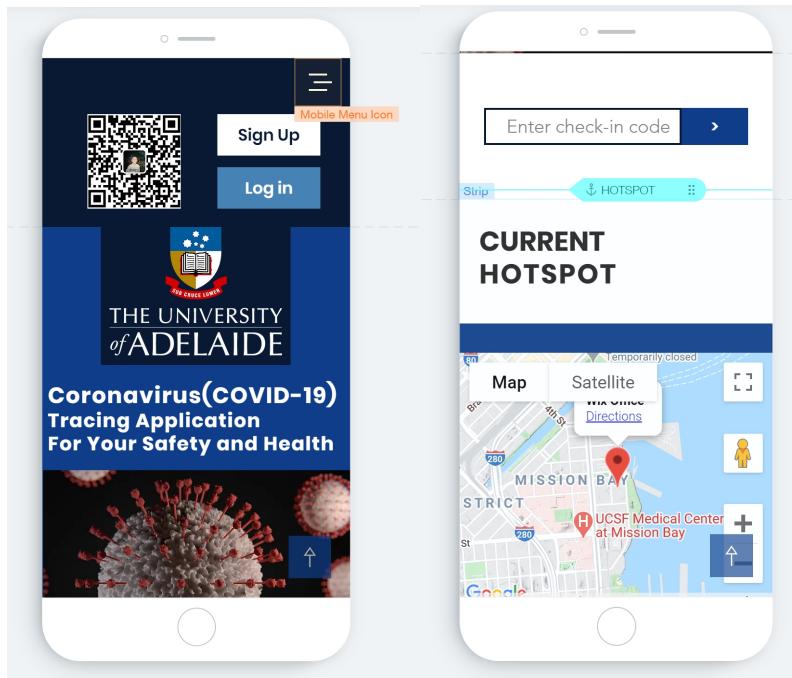
The image shows a log-in page for the same COVID-19 tracing application. It features the same dark banner with the university logo and QR code. The right side has the same 3D virus rendering. The log-in form requires an ID and Password, with a reCAPTCHA checkbox below them. It also includes three log-in options: "Log in", "Continue with Facebook", and "Continue with Google".

Our Logo:



Mobile Site:

Our site will resize depends on the window's size. For the mobile site view, some components may not need, such as the navigation menu on the top of the header.

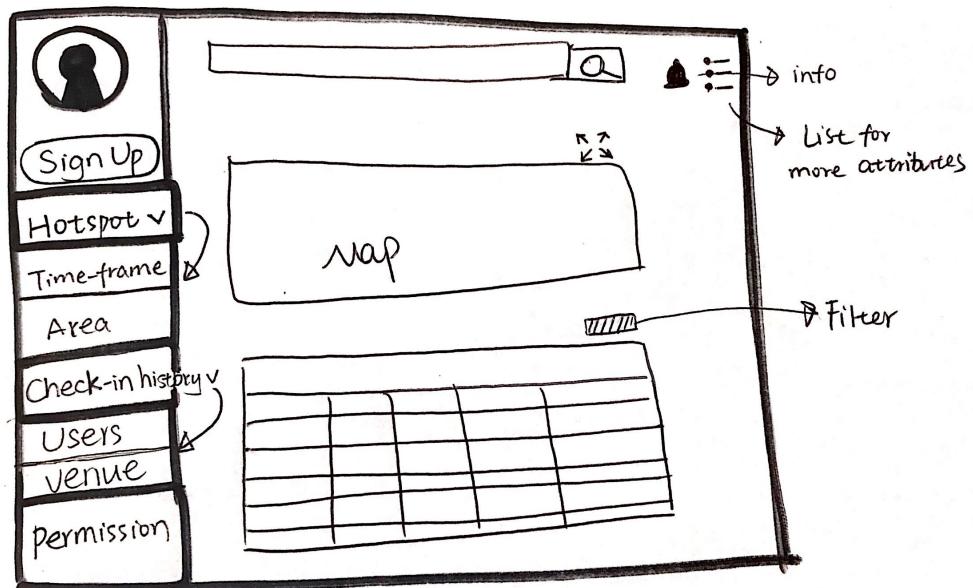


Backstage Part:

Home page for our back-end:

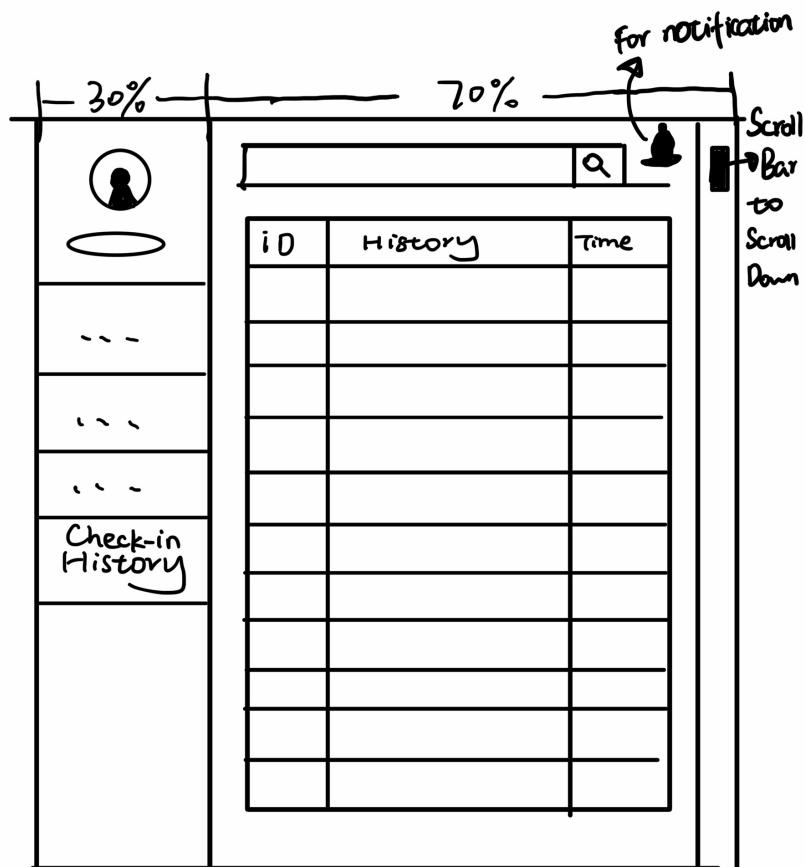
The side menu can be drop down as a list for more functions.

The side menu, search bar and notification bar is consistent for each page.



Check-in history page for Admin, User and Venue:

It will display the history information including time, location, id/name.



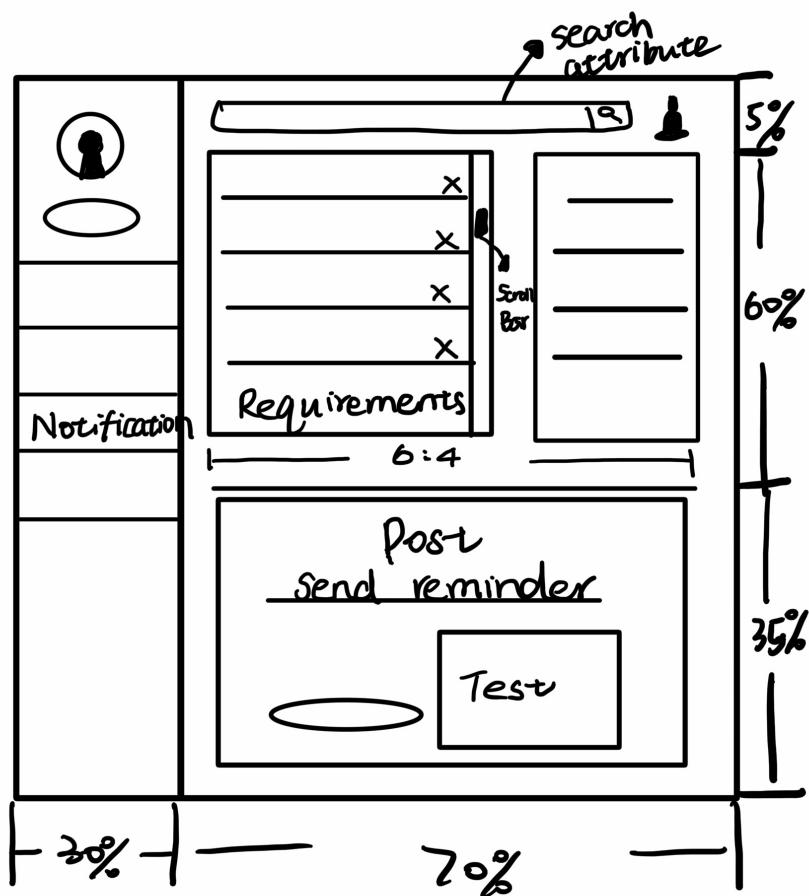
Notification page for Admin, User and Venue:

The functionality will be slightly different depending on different client:

Admin: can receive and manage the email or message from user and venue. Also be able to create a post or warning to them.

User: can receive and reply the message form Venue and Admin. Also can request to get the notifications of the current hot-spots and warning if they are in hot-spot area. Further more, users are able to choose different types of email notification are sent, such as normal one and alert notification which can be marked by a flag.

Venue: can send message or requirement to Admin and User.



Map page for displaying hot-spot area on the map to Admin, User and Venue:
Admin: can create and manage hot-spot areas. We might have a setting part down
the bottom at the page as an extra functionality for Admin.

