**Feature Plan**

UG Group 44

In the webpage, all pages should match the format, style of header, footer and bar for the sense of unity, which can make the users can access the webpage more conveniently and navigate the webpage easily.

The main page should include the most important key attributes such as the buttons of log-in, sign-up and search engine. There are also navigation bar for connecting About us page, Contact us page and Home page which is going back to main page. Through the main page, the users can select any attributes they want to access.

The sign-up page has two different features. One of them is for the user sign-up and the other is for the venue sign-up. The users can sign-up by typing their own information and the shop owners can sign-up by entering their shop’s information through the separated webpage.

The log-in page provides the user the multiple selections to log in such as typing the id, password or logging in with facebook or google. In the log-in page, there is also link for shop owner to sign up, which shows there are different format of sign up for venue.

The user page should contain several different parts in one page such as check in part and the history of the user where they have visited. Furthermore, it provides the button “Account” in navigation bar to make user can access another page for changing their own information.

The manager page allows the shop managers to search the check-in record and to change their account. They can access these pages through the navigation bar.

The official page has different types of attributes, such as checking user history, checking venue history, setting the hotspot, account, sign up for health office. Those attributes are linked through the navigation bar.

**User**

When user gets into the main page, there are several attributes which user can select or see, such as header, navigation bar, hotspot map and footer. Through the button on the top of the page, user can go to the sign-up page or log-in page. Once the user clicks on the sign-up button, sign-up page is uploaded. Now, user can input their information on this page to sign-up to the webpage. If user doesn’t want to sign-up, by clicking the cancel button at the bottom of the sign-up box and going back to the main page. When user clicks on the log-in button, the log-in page is uploaded. There are several options for user to log-in, log-in with their id and password or facebaook, twitter and google. In the individual user page, There are two things user can do, which are check-in and change their account. Once user click the check-in button, they can not only check in but also check their history. When they click the account button, account page will show up so that they can change their personal information. The individual user page has log out button on the top right side of the user page. They can log out whenever they want and it will go back to the main page.

**Venue**

Once venue manager clicks on the log-in button on the top left side of main page, log-in page will be uploaded and the manager can see the text “Are you a shop owner? Register now”. They can click on the link “Register now” and it will link to the sign up page for venue. When you finish sign up, you can come into the venue page. In venue page, there are two buttons in the navigation bar, which are check-in-search and Account. Check-in-search button are showing the page of user check-in history. The page gives the venue manager the options of selecting either user name or ID to find particular user’s information, such as user name, phone number and check-in time. When the manager clicks on the Account button, it will link to venue’s account page so that venue manager can see their information of venue and change the venue name, contact number and password if they want. The manager can log out whenever they want through the logout button on the top of the page and it will go back to the main page.

**Official**

In the official page, there are five buttons in the navigation bar, which are User check in history, venue check in history, set hotspot, account, sign-up health official. By clicking the button the official wants, they can check the history of user, the history of venue, set the hotspot, check their account and sign up for health official. Through the Logout button on the top right side of official page, it allows the official to log out and will link to the main page.

**1. Main Page (index.html)**

* Header bar
  + logo(left)
  + Sign-up button (right)
  + Log-in button (right)
  + Heading (center) 🡪COVID-19(h1), contact tracing system(h2)
* Body
  + Navigation bar
    - Home, About Us, Contact Us (left)
    - These are linked to each page(main page, about us page and contact us page)
  + Search bar
    - Let people search the location and check if the place is a hotspot area
  + Map image
    - The map is available to zoom in and zoom out
    - It shows the current hotspot area
* Footer
  + Webpage details(Home, about us, contact us) (right)
  + Copyright (left)

**2. Log-in Page**

* Header bar
  + logo(left)
  + Back button (right) 🡪 going back to the main page
  + Heading (center) 🡪 Log In
* Body
  + Navigation bar
    - Home, About Us, Contact Us (left)
    - These are linked to each page(main page, about us page and contact us page)
  + Right
    - Facebook log in
    - Twitter log in
    - Google log in
  + Left
    - ID (input type)
    - password (input type)
    - log in (button)
  + Down:
    - Are you a shop owner? <link>Register now
    - It will link to another log in page for venue.
* Footer
  + Webpage details(Home, about us, contact us) (right)
  + Copyright (left)

**3. Sign up Page (for user)**

* Header bar
  + logo(left)
  + Back button (right) 🡪 going back to the main page
  + Heading (center) 🡪 Sign Up
* Body
  + Navigation bar
    - Home, About Us, Contact Us (left)
    - These are linked to each page(main page, about us page and contact us page)
  + Box (Center)
    - Create your account(text)
    - input type (Center)
      * First name
      * Last name
      * Password
      * Email
      * Phone
    - button:sign-up(bottom)
    - button:cancel(right)
* Footer
  + Webpage details(Home, about us, contact us) (right)
  + Copyright (left)

**4. Sign up page (for venue owner)**

* Header bar
  + logo(left)
  + Back button (right) 🡪 going back to the main page
  + Heading (center) 🡪 Sign Up
* Body
  + Navigation bar
    - Home, About Us, Contact Us (left)
    - These are linked to each page(main page, about us page and contact us page)
  + Box (Center)
    - Create your account(text)
    - input type (Center)
      * Shop name
      * Shop address
      * Shop contact
      * password
  + button (Center): sign-up(left), cancel(right)
* Footer
  + Webpage details(Home, about us, contact us) (right)
  + Copyright (left)

**5. User page**

* Header bar
  + Small logo. (left)
  + Button: Log-out. (middle right)
  + Heading (center) 🡪 Welcome / individual user
* Body
  + Navigation bar
    - Check-in, Account (left)
    - These are linked to each page(user check-in page, user account page)
  + Check-in Box(center)
    - Check in now to save your spot.(text)
    - Button: Check in (center)
    - It allows user to check in
  + My history Box(center)
    - Timeline for the user check in.
    - Date
    - Time
    - Address
    - Show if the place is hotspot or not.
* Footer
  + Webpage details(About us, Contact us) (right)
  + Copyright (left)

**6. User account page**

* Header bar
  + logo (left)
  + button: Log out(right)
  + Heading (center) 🡪 Welcome / individual user
* Body
  + Navigation bar
    - Check-in, Account (left)
    - These are linked to each page(user check-in page, user account page)
  + User ID box (center)
    - User ID
    - It shows current User ID
  + User information box (center)
    - Icon for name, phone and email (left of the text)
    - Name:
    - Phone Number:
    - Email:
* Footer
  + Webpage details(about us, contact us) (right)
  + Copyright (left)

**7. Manager page (check-in search)**

* Header bar
  + logo (left)
  + button: log-out(right)
  + Heading (center) 🡪 Welcome / manager
* Body
  + Navigation bar
    - Check-in-search, account (left)
    - These are linked to each page(Check-in-search, account)
  + Select Option
    - name
    - ID
    - manager can select name or ID to search user check-in information
  + Check in box(table)
    - user name
    - phone
    - check in time
    - These are showed in one table
* Footer
  + Webpage details(About us, Contact us) (right)
  + Copyright (left)

**8. Manager account page**

* Header bar
  + logo (left)
  + button: Log out(right)
  + Heading (center) 🡪 Welcome / manager
* Body
  + Navigation bar
    - Check-in-search, account (left)
    - These are linked to each page(Check-in-search, account)
  + Information box(center)
    - Venue ID:
    - venue location:
    - condition:
    - It shows the current information about venue and shows the condition of venue if they are safe or they are in hotspot zone.
  + Information change box(center)
    - venue name:
    - contact number:
    - password:
    - change(button)🡪center
    - It allows venue manager to change their venue information
* Footer
  + Webpage details(About us, Contact us) (right)
  + Copyright (left)

**9. Official page (history for user)**

* Header bar
  + logo (left)
  + button: back (right), log-out(right)
  + Heading (center) 🡪 Welcome / Official
* Body
  + Navigation bar(left)
    - User check in history
    - venue check in history
    - set hotspot
    - account
    - sign-up
    - These are linked to each page(User check in history, venue check in history, set hotspot, account, sign-up health official)
  + Select Option
    - name
    - ID
    - manager can select name or ID to search user check-in information
  + Check in box(table)
    - user name
    - phone
    - check in time
    - These are showed in one table
* Footer
  + Webpage details(About us, Contact us) (right)
  + Copyright (left)

***Integration of Features into Website***

The functions listed below are all based on user interactions related to the page/site to describe their functions.

**1. Sign Up / Log In**

* Sign up:
  + allows user to sign up by filling in their information (First name, Last name, password, email and phone) by clicking the button on the top in the main page.
  + allows the venue owner to sign up by clicking the link “Register now”
* Log in :
  + allows user to log in by third party application (google, facebook or twitter) or the typical way: [ id( or email address ) + password ]

**2. Check in**

* Allows users to check in by clicking the button of check in in the user page. The information will be saved in database and will appear in user history page.

**3. Search**

* Allows users to type in location: show on the map and tell if it is a hotspot or not.

**3. Account**

* In the user account page, user allows change their personal information such as name, phone number and email by clicking the change button.

**4. History**

* Each user will check in the history record through the user page, allowing users to see where they have been before.

**5. About Us**

* Located in navigation bar on the top and in footer so that user can easily access to the information of company

**6. Contact Info / Form**

* Located in navigation bar on the top and in footer so that user can easily access to the information of company’s contact detail