

- a.
 - i. purpose: I aim to record my trip experience as a passionate photographer and share my favorite moments/restaurants/catches.
 - ii. information: Visitors can see my photos together with my feelings and comments in each post.
 - iii. Users can roam around the map to see if there are related photos and posts about their interested places. The map also provides easy access of address for the visitors so that they can go to the same place if they want.
 - iv. target audience: friends and people who are interested in travelling and food.
- b.
 - i. Google Map popup Info Windows
 - 1. users can click the markers on the map to see a popup info window, and then decide if they want to see more details by clicking the link in the window
 - ii. MAP/LIST view change
 - 1. users can switch view modes by clicking two buttons MAP/LIST so that they can decide if they want to look by pictures or by places.
- c. external tool
 - i.
 - 1. name: Google Map
 - 2. Since it is a trip photography portfolio, Google Maps helps to show all the destinations directly. Its API is also very powerful for responsive functions.
 - 3. I add markers on the places and pop-up infowindows for visitors to look at and then decide if see more details.
 - 4. It actually supports the main feature of my website as a map-oriented marked posts collection
 - ii.
 - 1. name:JQuery
 - 2. JQuery is a intuitive and powerful library. It provides me intuitive and directive way to take control of doms and thus change HTML contents.
 - 3. I use JQuery to change HTML contents. This helps since it re-render the page and user does not need to jump to a new page, which really bothers when you are just changing view modes.
 - 4. I use JQuery and localStorage to add MAP/LIST mode. By clicking buttons, user can choose their desired mode.
- d. iteration
 - i. I delete the filter feature that can filter food/view photos since I have no access to more pictures store in my Mac(since it's broken)
 - ii. I add a popup screen as interaction according to Franceska's suggestion so that user can play with the markers on the map.
 - iii. Future Plans: I used to plan to add a saved destinations functions for user to manage their wishing list, but I will put it in my future iteration plan because of time issue caused by my accidentally broken laptop.

e. challenges

- i. My MacBook broke up halfway so I have to start over to redo my project in computing service. It wastes much time as I need to reset the coding environment and I have to stay on campus
- ii. I used AngularJS and switched to JQuery to save time because of the accident. Unfortunately, it seems that I used a not well-implemented library to combine Google Map and JQuery, so I struggled for this for much time and in the end had to switch to JavaScript to finish implementing features concerning the map.