**CS411 Group Project Pitches:**

Members: Zhan Hao Xu, Sudan Wang, Zihao Wang, Weldon Yang, Ruoqi Shi, Zhongxing Xu

(We tried to contact Zhongxing Xu, xzxxzx as email handle, but he never replied and thus we are wondering if he is still part of this course or he dropped the class. If someone can let us know regarding his availability, it would be great.)

Coronavirus Map

We will create an interactive worldwide map that displays information for each country including travel recommendations and their current restrictions utilizing a travel-advisory api (<https://www.travel-advisory.info/data-api>), which will provide an updated list of country advisories that contain a risk value that describes how dangerous a country is from a travellers perspective. Furthermore, we will utilize a coronavirus tracking api (<https://covidtracking.com/data/api>) that provides information on the US for confirmed deaths, daily increase in deaths, currently hospitalized, total hospitalized, increase in hospitalized, currently in ICU, confirmed cases, and recovered. This website will allow the user to initially look at each country’s basic coronavirus information by hovering over the country with their input device and if the user wants more in depth information on the states in the US, they can click on the US which will zoom into the US and provide a similar interactive map for each state. We will also be using Oauth in order to allow users to log in to the app with their social media accounts, for which they can share their findings, and we will store what the user decides to share in a database.

Food

Usually when we want to create a dish, we have to find a recipe first and then purchase all the ingredients we need. However, what if we want to use the ingredients we already have to create a dish? It is really a painstaking process to google recipes and see what we can make with what we have on hand. This web application allows us to enter ingredients we already have on hand and then generate recipes from it. Users can also set additional criteria, such as length of time or difficulty level. Users can also find out the calories and the nutrient values for each individual food item he/she owned by entering the amount and type of food they have. They can also enter restaurant meal names and the web application can give an estimate of calories and nutrition value of the meal. It will utilize some of the databases from Programmableweb. (<https://www.programmableweb.com/news/10-most-popular-food-apis/brief/2019/08/06>)

Lastly, we will also be using Oauth in order for users to log into their social media accounts if they want to share their findings, and we will allow the user to save what they find if they want to and store it in a database.