CS411 project ideas

***Analyze food ingredients to recommend dishes and a playlist.***

User could input or scan the barcode or the name of the food ingredients, and the app would recommend two things: Dishes that can be made from those ingredients and a Spotify playlist that accompanies user’s cooking process. The song’s genre can be devised through extracting information from the tags of the dishes or from user’s favorites artists.

1 & 3: Utilize user’s social media accounts for authentication and to perform profile tracking (i.e. dish preferences and song preferences).

2: BigOven Recipe API, Spotify API, Barcode Lookup API

***Analyze climate data to recommend suitable plants to grow.***

User could input a specific location, and the app would recommend plants that are suitable to grow for different times of year given the climate data of that location. Or, the user could input the image or the name of a specific plant, and the app would suggest suitable climate condition necessary for the plant to flourish, and when that occurs in a certain location.

1 & 3: Utilize user’s social media accounts for authentication and to perform profile tracking (i.e. Location).

2: Climate data, rainfall data, & Trefle API