

Team Yummy
HCDE 318
11/5/17

P4: Design Requirements

1) Allows users to get access to a complete list of ingredients of the food they plan to eat

Action: Get access

Object: A complete list of food ingredients

Context: From a menu at a restaurant, from a label distributed by catered food

2) Allows users to create a diet restricted profile that include what they cannot eat

Action: Create

Object: profile with text that allow user to input they cannot eat

Context: Initial step when user first utilizes the app

3) Allows food distributors to give users access to their menu data

Action: Create a barcode that is a digital representation of their physical menu

Object: A physical barcode on the front of each menu or one that can be put up when a catered food is served

Context: When a user enters the restaurant, sees the barcode from the outside of the restaurant, or sees catered food on a table

4) Allows users to distribute information about their dietary restriction to food providers

Action: Export

Object: Profile with dietary restrictions & needs

Context: To food providers (organizations, events, living situations)

5) Allows users to find restaurants and identify menus

Action: Search

Object: Search bar from menu database of restaurants

Context: Planning on where/what to eat beforehand so you don't have to worry once there

6) Allows food distributors to upload their menu information to the web enabled device

Data: Food item name, price, ingredients, description

Functional: upload the food distributors' menu information

Contextual: When a new restaurant opens, restaurant changes the menu items, food caterer makes an order

7) Allows users to get access of food ingredient from Facebook events or groups

Data: Users food information and food ingredients if known prior to event

Functional: Create new group or event and add others profiles

Contextual: When planning an event with food, accessing attendees profiles to be aware of what they cannot eat; if in a group or club knowing your members profiles as well

8) Allows users to filter restaurants based on what they can eat

Data: Users profile information

Functional: Displays restaurants and menu options that user can eat based on dietary restriction

Contextual: Only want to search through menu items they can eat

9) Allows users to log in with Facebook for menu information at events

Data: Facebook login information

Functional: Accessing Facebook

Contextual: Application allows user to sync profile containing dietary restrictions with Facebook account, and request menu/see menu conflicts in advance

10) Allows users to see if they are able to eat a particular food on particular day (in the case of fasting)

Data: Ingredients in dish & type/date of fast

Functional: Checking calendar + fasting information with ingredients

Contextual: When a user scans a label on a dish, the application will tell the user if they can eat the food at the given time.