Cognitive Walkthrough
Scenario 1: Finding nearby “Panera Bread”

1. Type “Panera Bread” in the search box.
2. Click the Search button after done with typing.

Results show up in this box.

Info summary for specific Panera Bread.
Scenario 2: Get more info on “Panera Bread”

Search: Panera Bread
Is the place full???

Panera Bread
1765 W Kirby Ave
Champaign, IL 61821
(217) 355-9885

Occupancy: 15/50
(1 Minute Ago)

Category: Bakeries
Today's Special: Chicken Salad $10
Music Theme: Classic
Price Range: $5 - $20
Attire: Casual

Detailed Info shows up
Scenario 3: Get occupancy prediction at time of arrival

I'm going to arrive in about 30 mins.

I should be able to get table easily when I arrive.
Heuristic Evaluation

- Validity of system status:
  - We provide feedback to the user using when is the occupancy is last updated.
  - Since we will be using Google Map Interface, we will provide feedback as we receive data from google map and our occupancy tracking system.
Match between system and the real world

- The initial search window is the same like Google that should be familiar to most users.
- We keep the words simple, we don’t tell how the system calculate things (how to estimate occupancy at ETA).
- Looking at the system should feel like asking a waiter in the restaurant.
User control and freedom

- The main window will be like a normal Google map interface
- User can easily get to detailed view after clicking more details in the restaurant bubble
- User can exit easily by clicking “x” button on top right corner of the detailed view
Consistency and Standards

- We are consistent to the standard map interface.
- We just make a new window to display additional information.
Help users recognize, diagnose, and recover from errors

- If we are unable to get the specific data for the restaurant we simply don’t display it.
- If we cannot display the prediction we simply tell the user that the prediction is not available.
Error Prevention

- No, it will be hard to make an error. The search box is handled by google
- Recognition rather than recall
  - Information will be visible only when user wants it.
Flexibility and efficiency of use

- All users will be treated equally. There will be no shortcuts or accelerator for the experienced user to do more stuff quickly.
Aesthetic and Minimalist design

- Only relevant information is displayed, we even use small window to display details for a specific restaurant.
Help and documentation

- Since it basically add only one more link “more details” to pre-defined google interface, we don’t need to explain how to use it.
- Help and documentation will be irrelevant in this case, because our system based on the system that is familiar to most users.