Project Proposal

2nd Draft

CS 465

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The application layout will look similar to google maps. We will be using Google maps interface. But we will add additional information, which is information about occupancy of the restaurant. The mobile interface will also look the same as the web interface other than having everything smaller. In addition to the information displayed from Google maps, we will display the number of occupied tables, empty tables, waitlist parties and data estimate at the time of user’s arrival which the user can enter.

Nowadays, restaurants have computerized seating arrangement such as shown above. Thus, we can gather data from these computers if they are connected to the system via the internet. This way, we can determine the number of occupied table and the maximum capacity of the restaurant. We can also show how many groups are currently waitlisted for the restaurant. Usually these restaurants are modern well-known chain restaurants.

Since the data shown in the application will show real time data, the situation might change by the time someone arrives there. Therefore, we think it is useful to predict the situation by the time someone arrives (i.e. it can be 30
minutes after user checks the application). Thus, user can input estimated arrival time, and the system will show the average data from previous weeks on the estimated arrival time.