Use Cases
for

- Waitster -

Version 1.0

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CS 411 Software Engineering

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Use Case List

ID	Primary Actor	Use Case Title
101	Party Animal	Search for a targeted restaurant for going out
111	Party Animal	Estimated wait time for future visit for targeted restaurant
200	The BOSS, Party Animal	View competition/popularity within radius of restaurant
150	Party Animals	Sending an invitation to a friend, inviting them to a location found on Waitster

Use Case Template

Use Case ID:	101		
Use Case Name:	Search for a targeted restaurant for going out		
Created By:	Kristel, Joanne, Shreya, Ibrahim	Last Updated By:	N/A
Date Created:	02/21/16	Date Last Updated:	N/A

Actors:	Party Animal
Description:	Party Animals will input a restaurant name and the current wait time will be returned.
Trigger:	Clicking the search button/hitting enter.
Preconditions:	1. Party Animal knows which restaurant he or she wants to go to 2. Targeted restaurant is in Yelp / GrubHub database
Postconditions:	1. Restaurants with matching name and relevant locations are displayed 2. Business hours, contact information, and link to view in Yelp are shown for each restaurant 3. Update number of clicks for restaurant in database
Normal Flow:	101.0. Party animal searches for restaurant name and clicks enter. 101.1. New page loads displaying relevant restaurants displaying information regarding business hours, current wait time, and contact information.
Alternative Flows:	101.1. Restaurant is not found and page loaded displays restaurants with similar names and information regarding business hours, current wait time, and contact information. 101.2. Party animal can choose to search again with a different restaurant name.
Exceptions:	101.1.E.1. Restaurant name is mistyped and no similar results are found. Page prompts user to try again and links user to search page. 101.1.E.2. Restaurant delivery time is unavailable. This could be due

	to holidays, changed hours, weather restrictions, or other factors that affect the restaurant's ability to deliver food. Page displays "sorry message" indicating statement about wait time not being able to be displayed.
Includes:	Reveals (shows) Case #111 after Party Animal is at restaurant page
Priority:	**High**
Frequency of Use:	Twice a day on average
Business Rules:	N/A
Special Requirements:	1. Response time after party animal searches 2. Database size constraint
Assumptions:	1. Delivery times available to calculate wait time 2. Party animal is within the Greater Boston area.
Notes and Issues:	1. TBD: Database functionalities 2. TBD: Algorithm used to determine wait time

Revision History

Name	Date	Reason For Changes	Version

Use Case Template

Use Case ID:	111		
Use Case Name:	Estimated wait time for future visit for targeted restaurant		
Created By:	Joanne, Ibrahim	Last Updated By:	N/A
Date Created:	03/14/16	Date Last Updated:	N/A

Actors:	Party Animal
Description:	Party Animal will input the target restaurant's name and desired future 2 hour time slot.
Trigger:	Clicking the search button/pressing enter.
Preconditions:	1. Target restaurant is in Yelp/Grubhub database 2. Desired time slot within 2 hour range should be in future within 7 days.
Postconditions:	1. Restaurant and wait time for desired time slot will be displayed. 2. Update number of clicks for restaurant in database 3. Business hours, contact information, and link to view in Yelp are shown for each restaurant
Normal Flow:	111.0. Party animal enters restaurant name and desired visit time within 2 hour range and clicks enter. 111.1. Data is retrieved from the our database based on historic searches/results and displayed on results page for party animal.
Alternative Flows:	111.1. Party animal enters invalid restaurant name and page loaded suggests restaurants with similar names and information regarding business hours, current wait time, and contact information. 111.1. Party animal enters valid restaurant name but restaurant is closed at that time. Page will load displaying restaurant information but a message indicating that the restaurant is closed during that time.
Exceptions:	111.1.E.1. Restaurant name is mistyped and no results are found. Page prompts user to try again and links user to search page. 111.1.E.2. Restaurant delivery time is unavailable. This could be

	due to holidays, changed hours, weather restrictions, or other factors that affect the restaurant's ability to deliver food. Page displays"sorry message" indicating statement about wait time not being able to be displayed. 111.1.E.3 Restaurant is in the database, but there is no historic information on desired times slot, thus search gives "sorry message", suggesting to try other time slots.
Includes:	Also shows Case#101 (current time) next to future estimate time to Party Animal
Priority:	**Medium**
Frequency of Use:	Twice a month on average
Business Rules:	None
Special Requirements:	1. Response time after party animal searches 2. Database size constraint
Assumptions:	1. Delivery times available to calculate wait time 2. Party animal is within the Greater Boston area.
Notes and Issues:	1. TBD: Algorithm used to determine wait time 2. TBD: Database functionalities

Revision History

Name	Date	Reason For Changes	Version

Use Case Template

Use Case ID:	200		
Use Case Name:	View competition/popularity within radius of restaurant		
Created By:	Joanne and Ibrahim	Last Updated By:	N/A
Date Created:	03/14/16	Date Last Updated:	N/A

Actors:	The BOSS, Party Animal
Description:	The BOSS or Party Animal will input a restaurant name and location to look at the popularity within .5 or 1.5 miles.
Trigger:	The BOSS/ Party Animal will click the “What Else” tab on the search bar and enter the restaurant name and location and radius and clicks enter or presses search.
Preconditions:	1. The BOSS/ Party Animal knows the restaurant name. 2. Targeted restaurant is in Yelp / GrubHub database
Postconditions:	1. Restaurants with the wait times within the search area will be displayed on the new page in a list format. 2. Searched Restaurant (object itself)’s wait time will be shown at top.
Normal Flow:	200.0. The BOSS/Party Animal enters valid restaurant name and selects a radius. 200.1. A new page displaying restaurants within that area will be displayed.
Alternative Flows:	200.1. Restaurant name is valid but no other restaurants are in indicated proximity. Page will display “Middle of Nowhere!”.
Exceptions:	200.1.E.1. Restaurant name is mistyped and no results are found. Page prompts user to try again and links user to “What Else” tab. 200.1.E.2. Nearby restaurants wait times are unavailable. This could be due to holidays, changed hours, weather restrictions, or other factors that affect the restaurant’s ability to deliver food. Page displays“sorry

	message” indicating statement about wait time not being able to be displayed.
Includes:	Includes elements of Case#101, as it displays current wait times.
Priority:	**High**
Frequency of Use:	Once a day
Business Rules:	The Boss logically should owner/affiliate of the restaurant checking surrounding competition.
Special Requirements:	1. Response time after The Boss/ Party Animal searches 2. Database size constraint (# of nearby restaurants)
Assumptions:	1. Delivery times available via APIs to calculate wait times 2. Restaurants are within the Greater Boston area. 3. Users will be able identify restaurants with same names by address.
Notes and Issues:	1. TBD: Algorithm used to determine wait time 2. TBD: Database functionalities

Revision History

Name	Date	Reason For Changes	Version

Use Case Template

Use Case ID:	150		
Use Case Name:	Sending an invitation to a friend, inviting them to a location found on Waitster		
Created By:	Joanne and Ibrahim	Last Updated By:	N/A
Date Created:	03/14/16	Date Last Updated:	N/A

Actors:	Party Animal
Description:	Party Animal invites friend to restaurant through social media plug-in through a restaurant found on Waitster.
Trigger:	Click on social media plugins/icons at the bottom of the search results.
Preconditions:	1. Party Animal has already decided and searched the desired restaurant and knows the wait time.
Postconditions:	1. Party Animal will be directed to social media page and will be prompted to the template post message.
Normal Flow:	150.0. Party Animal will click on social media plugin/icon or e-mail it. 150.1. Pop up will ask Party Animal for authorization. 150.2. Party Animal will give permission and proceed to use social media to send message to friend or post.
Alternative Flows:	150.2 Party Animal decides not to give permission to social media page and will exit out of social media web page.
Exceptions:	N/A
Includes:	Imports results from Case# 101 and Case# 150.
Priority:	**Low**

Frequency of Use:	Once a week on average
Business Rules:	N/A
Special Requirements:	N/A
Assumptions:	1. Party Animal has social media accounts / email account. 2. Social media apps are fully functional and responsive.
Notes and Issues:	1. TBD: Social media buttons

Revision History

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