

Use Cases
for

- **Waitster** -

Version 1.0

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CS 411 Software Engineering
February 21, 2016

Use Case List

| ID | Primary Actor | Use Case Title |
|-----|---------------|--|
| 101 | Party Animal | Search for desired location to look at wait times. |
| 111 | Party Animal | Estimated wait time for future visit for targeted restaurant |
| 200 | The BOSS | 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

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|----------------|---|--------------------|----------|
| Use Case ID: | 101 | | |
| Use Case Name: | Search for a wait times in a location. | | |
| Created By: | Kristel, Joanne, Shreya, Ibrahim | Last Updated By: | Joanne |
| Date Created: | 02/21/16 | Date Last Updated: | 04/17/16 |

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| Actors: | Party Animal |
| Description: | Party Animals will input a location and the current wait times within that location will be displayed. |
| Trigger: | Clicking the search button/hitting enter. |
| Preconditions: | <ol style="list-style-type: none"> 1. Party Animal knows what location he/she wants to go to. 2. Targeted location is in delivery.com database |
| Postconditions: | <ol style="list-style-type: none"> 1. Restaurants within location are displayed. 2. Business hours, contact information, and link to view are shown for each restaurant. 3. Update number of clicks for restaurant in database. |
| Normal Flow: | <p>101.0. Party animal searches for a location and clicks enter.</p> <p>101.1. New page loads displaying relevant restaurants displaying information regarding business hours, current wait time, and contact information.</p> |
| Alternative Flows: | No alternative flow. |
| Exceptions: | <p>101.1.E.1. Location is mistyped and no similar results are found. Page prompts user to try again and links user to search page.</p> <p>101.1.E.2. Restaurant delivery time is unavailable in location. 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.</p> |

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| 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: | <ol style="list-style-type: none"> 1. Response time after party animal searches 2. Database size constraint |
| Assumptions: | <ol style="list-style-type: none"> 1. Delivery times available to calculate wait time |
| Notes and Issues: | <ol style="list-style-type: none"> 1. TBD: Database functionalities 2. TBD: Algorithm used to determine wait time |

Revision History

| Name | Date | Reason For Changes | Version |
|--------|----------|--|---------|
| Joanne | 04/17/16 | Update functionality of search bar--searching for restaurants by location. | 101.1 |
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Use Case Template

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|----------------|--|--------------------|-----|
| 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 |

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| 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: | <ol style="list-style-type: none"> 1. Target restaurant is in Yelp/Grubhub database 2. Desired time slot within 2 hour range should be in future within 7 days. |
| Postconditions: | <ol style="list-style-type: none"> 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: | <p>111.0. Party animal enters restaurant name and desired visit time within 2 hour range and clicks enter.</p> <p>111.1. Data is retrieved from the our database based on historic searches/results and displayed on results page for party animal.</p> |
| Alternative Flows: | <p>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.</p> <p>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.</p> |
| Exceptions: | <p>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.</p> <p>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</p> |

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| | <p>message” indicating statement about wait time not being able to be displayed.</p> <p>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.</p> |
| 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: | <ol style="list-style-type: none"> 1. Response time after party animal searches 2. Database size constraint |
| Assumptions: | <ol style="list-style-type: none"> 1. Delivery times available to calculate wait time 2. Party animal is within the Greater Boston area. |
| Notes and Issues: | <ol style="list-style-type: none"> 1. TBD: Algorithm used to determine wait time 2. TBD: Database functionalities |

Revision History

| Name | Date | Reason For Changes | Version |
|------|------|--------------------|---------|
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Use Case Template

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|----------------|---|--------------------|----------|
| Use Case ID: | 200 | | |
| Use Case Name: | View competition/popularity within radius of restaurant | | |
| Created By: | Joanne and Ibrahim | Last Updated By: | Joanne |
| Date Created: | 03/14/16 | Date Last Updated: | 04/17/16 |

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| Actors: | The BOSS |
| Description: | The BOSS or Party Animal will input a restaurant name and location to look at the popularity within that location. |
| Trigger: | The BOSS/ Party Animal will enter location and press search. |
| Preconditions: | <ol style="list-style-type: none"> 1. The BOSS has a location to enter. 2. Targeted restaurant is in delivery.com database |
| Postconditions: | <ol style="list-style-type: none"> 1. Restaurants with the wait times within the search area will be displayed on the new page in a list format. 2. Searched location will list out restaurants in that location. |
| Normal Flow: | <p>200.0. The BOSS/Party Animal enters a valid search location.</p> <p>200.1. A new page displaying restaurants within that area will be displayed.</p> |
| Alternative Flows: | 200.1.Location name is valid but no other restaurants are in indicated proximity. Page will display “sorry message”. |
| Exceptions: | <p>200.1.E.1. Location is mistyped and no results are found. Page prompts user to try again and links user to search page.</p> <p>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.</p> |
| Includes: | Includes elements of Case#101, as it displays current wait times. |

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| Priority: | High |
| Frequency of Use: | Once a day |
| Business Rules: | The Boss logically should owner/affiliate of the restaurant checking surrounding competition. |
| Special Requirements: | <ol style="list-style-type: none"> 1. Response time after The Boss searches 2. Database size constraint (# of nearby restaurants) |
| Assumptions: | <ol style="list-style-type: none"> 1. Delivery times available via APIs to calculate wait times |
| Notes and Issues: | <ol style="list-style-type: none"> 1. TBD: Algorithm used to determine wait time 2. TBD: Database functionalities |

Revision History

| Name | Date | Reason For Changes | Version |
|--------|----------|---|---------|
| Joanne | 04/17/16 | Eliminate an actor. Update functionality of search--can only search for location. | 200.1 |
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Use Case Template

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|----------------|--|--------------------|-----|
| 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 |

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| 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 |

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| Assumptions: | <ol style="list-style-type: none">1. Party Animal has social media accounts / email account.2. Social media apps are fully functional and responsive. |
| Notes and Issues: | <ol style="list-style-type: none">1. TBD: Social media buttons |

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|------|------|--------------------|---------|
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