# *WeShould* Use Case Document
# 1) Add a restaurant to your list.

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| **1. Brief Description:** | A user manually navigates theWeShould application menus on a device with the purpose of adding a restaurant to their personal list. |
| **2. Preconditions:** | The application is in the default state, the start-up view displaying the user's complete list sorted by category and map of the current location. The device has an internet connection and GPS is enabled. |
| **3. Business Trigger:** | An acquaintance verbally suggests that you try restaurant X. |

**4. Basic Flow:  The information of Restaurant X  is contained in the master database in the cloud.**

5. User presses the menu button which triggers a pop-up menu of all current categories in the user's list and an 'add category' option.

6. User selects 'Restaurant' which changes the view to the restaurant entry view containing standard information fields relevant to restaurants.

7. Upon entering the restaurant name, the system checks the central database to determine if the restaurant being entered currently exists in the database.

8. The system returns a list of restaurants that are similar in name to the name entered by the user.

9. User selects the restaurant that matches the one they wish to enter.

10. All information stored by the master database is transferred to the user's device and filled into the entry page fields.

11. User then enters the name of the person who referred this restaurant into the 'Referred By' field.  The user selects the 'Add tag' button to add sub-categories to be associated with this list entry.

12. Any additional information that the user wishes to enter can be typed into an additional information text field.

13. User presses 'Add to List' button to complete the transaction.

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| **14. Post Condition:** | The application is returned to its default state |

**15. Alternate Flow: Add restaurant that is not in the master database.**

16. When in 9

17. The system does not return the restaurant that the user is entering, then: The user selects 'Other' from the suggestions list.

18. User manually types in all known information about the restaurant in the available fields.

19. User continues with 11 and 12.

20. Upon selecting 'Add to List', the known information is uploaded and added to the master database.

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| 21. **Post Conditions:** | The application is returned to its default state. |

**22. Alternate Flow: Device / System Failure**

23. When in 10

24. Communication fails between device and user, then

25. Device displays a message failure notification and returns to the manual entry page.

26. Continue in 18.

## *WeShould* Use Case Document
## 2) Select an item from your list based on your current location.

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| **1. Brief Description:** | A user manually navigates the WeShould application menus on a device with the purpose of selecting an item from their personal list based on their current location. |
| **2. Preconditions:** | The application is in the default state, the start-up view displaying the user's complete list sorted by category and map of the current location. The device has an internet connection and GPS enabled. |
| **3. Business Trigger:** | A user is looking for ideas of what to do with some free time. |

**4. Basic Flow: User selects a restaurant from their list and calls to make a reservation.**

5. User views the map on the start-up page.

6. User touches a color-coded pin of a color chosen to represent restaurants.

7. As the pin is touched, the category 'Restaurant', any associated 'tags',  and the name of the restaurant appear in a small pop-up window.  The information in the window changes when other pins are touched.

8. The user desires more information about one of the restaurants so he/she (long clicks or double clicks) the pin causing the view to change to the item information page.

9. The user presses the 'Reviews' button to view restaurant reviews posted on the internet.

10. User presses on the link to the restaurant web site which opens the site on their browser.

11. When the user is done browsing the menu or other features from the website he/she presses the device 'Back' button to return the list item information page.

12. The user clicks on the phone icon which initiates a phone call to the restaurant to that a reservation can be made.

13. When the call ends, the user is returned to the list item information page.

14. From this page, the user can press the device 'Back' button to return to the default view.

**15. Post Condition:**         The application is returned to its default state

**16. Alternate Flow: User selects a movie that is playing at a nearby theatre.**

17. When in 5

18. User touches a color-coded pin of a color chosen to represent favorite movie theatres.

19. As the pin is touched, the category 'Movie Theatres', any associated 'tags', and the name of the theatre appear in a small pop-up window.  The information in the window changes when other pins are touched.

20. The user desires more information about the movies playing there so he/she (long clicks or double clicks) the pin causing the view to change to the item information page.

21. The user can select links to online content relevant to these movie titles such as reviews, show times, etc.

22. User presses the press the device 'Back' button to return to the default view and can be guided to the theatre using the map on the default page if needed.

23. **Post Conditions:** The application is returned to its default state

**24. Failure Conditions: Internet or GPS failure**

25. Upon failure to receive GPS or Internet transmissions, a message is displayed announcing the unavailable features.

# *WeShould* Use Case Document
# 3) Send a referral of an item on your list to someone.

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| **1. Brief Description:** | User wishes to refer an item from User's list to Friend, causing the item to be added to Friend's list. |
| **2. Preconditions:** | The application is in the default state, the start-up view displaying the user's complete list sorted by category and map of the current location. The device has an internet connection and GPS enabled. |
| **3. Business Trigger:** | User has experienced an item from their list and wishes for Friend to enjoy the experience also. |

**4. Basic Flow:  Friend is a current user of WeShould**

5. User scrolls to the category of the desired list item.

6. User then selects the desired item from the list.

7.  The list item information page is shown and the user selects the 'Refer' button.

8. A referral page is opened which contains an email address field.

9. The user enters the email address of Friend into this field

10. User types in a personal message in an associated text box if desired.

11. User selects the 'Send Referral' button to end User's portion of the transaction.

12. User's application is returned to the default state.

13. The referral and list item information is uploaded to the main server.

14. The main database identifies the email address given for Friend.

15. The server then sends an email to notify Friend of the referral.

16. When Friend opens WeShould, a message is displayed notifying Friend of the referral along with the personal message from User.

17. Friend selects the 'View Referral' button.

18. The list item is displayed in the 'Add List Item' view with all known fields entered and User entered in the 'referred by' field.

19. Friend then presses the 'Add to List' button to complete the transaction.

**20. Post Condition:**          The application is returned to its default state

**21. Alternate Flow: Friend is not a current user of WeShould**

22. When in #14

23. The email address given for Friend does not match any addresses associated with current accounts.

24. The server sends and email to the given address with the referral information and links to create an account or to link the given address to an existing account.

25. Friend selects the link to create an account.

26. This links the referral to Friend's account.

27. When Friend installs WeShould on a device and enters their account information, this list item will be transferred to the device.

28. This transaction continues at #16

**29. Alternate Flow:          Friend refuses referral**

30. When in #19

31. Friend then presses the 'Cancel' button to complete the transaction.

**32. Post Condition:**          The application is returned to its default state.

33. **Failure Conditions:** Device / server communication failure

34. In the event of communication failure between User and the server, or the server and Friend, the device involved in the failed communication displays a message announcing the error and resolution plan.  In most cases, the resolution is a later attempt to resend the communication.