Use Cases

for

Restaurant Recommender

Version 1

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Team 11

2/16/2016

Use Case List

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| --- | --- | --- |
| ID | Primary Actor | Use Case Title |
| 1 | User | Log in |
| 2 | User | Create a restaurant category |
| 3 | User | Generate a restaurant recommendation |
| 4 | User | View and update restaurant history |

Use Case Template

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| --- | --- | --- | --- |
| Use Case ID: | UC-3 | | |
| Use Case Name: | Generate Restaurant Reocmmendation | | |
| Created By: | Team 11 | Last Updated By: | Team 11 |
| Date Created: | 2/16/16 | Date Last Updated: | 2/16/16 |

|  |  |
| --- | --- |
| Actors: | App User |
| Description: | After either selecting an existing restaurant category (“Food Mood”) or generating a new one, the system will return a recommendation based on the Food Mood and the user’s history. |
| Trigger: | User clicks button to generate a new recommendation |
| Preconditions: | User has logged in and been authenticated.  User needs location services enabled.  User has created and selected a Food Mood |
| Postconditions: | User has selected a restaurant.  Restaurant has been added to the user’s history.  System is set to prompt user for a rating of their experience when they next log in. |
| Normal Flow: | UC-3.0 Generate a restaurant recommendation   1. User selects existing Food Mood 2. System retrieves user preferences from data store 3. System retrieves user’s location    1. System retrieves options from Yelp    2. Selects restaurants that are open    3. Selects restaurants that match the food mood 4. Selects restaurants that are near the user’s location 5. System generates recommendation based on this information 6. System displays restaurant 7. User selects restaurant 8. System displays fastest route to the restaurant |
| Alternative Flows: | UC-3.1 User does not select recommended restaurant  *Begin after step 6*   1. User opts to see another recommendation 2. System generates a second recommendation 3. Resumes normal flow at step 7   UC-3.2 User does not select any restaurant   1. User exits the Food Mood |
| Exceptions: | UC-3.0.E.1 Cannot find any recommendations  *Begin at any point in the process*   1. System does not find any restaurants that match the given specifications 2. System displays error message 3. System prompts user to try a different food mood 4. Resume normal flow at step 1 |
| Includes: | UC-1 Log in process  UC-2 Create Food Mood |
| Priority: | High |
| Frequency of Use: | 2x per use of the app |
| Business Rules: | Restaurants are not displayed if they are have less than 3 stars.  Restaurant must be within 10 miles of the user.  User can continue to see more recommendations until they have seen them all. |
| Special Requirements: | All database calls must take under 1 second.  Initial load time must be under 1 second. |
| Assumptions: | Yelp servers are always available. |
| Notes and Issues: | Options for Food Mood (location, cuisine, etc.)  Location radius (customizable? 10 miles?)  Criteria that system uses to recommend restaurants  Incorporate reservation booking (Open Table)  Potential business rule: only show restaurants that we can make money from  If user goes through every recommendation without selecting one, does it go to the exception or the alternate course?  If a user goes through a certain number of recommendations, should it suggest that they select a new Food Mood? (Possible alternate flow)  How many restaurants does the system grab at a time? |

Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
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