# Use Cases

## for

# Entrée

**Version 1.1.0**

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**CS411**

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# Use Case List

| ID | Primary Actor | Use Case Title |
|---|---|---|
| 1 | Standard user | Browse Instagram posts of food and select a post to get more information |
| 2 | Standard user | Register new user |
| 3 | Standard user | Update user preferences |
| 4 | Standard user | Login |

# Use Cases

| Use Case ID: | 1 | | |
|---|---|---|---|
| Use Case Name: | Browse Instagram posts of food and select a post to get more information | | |
| Created By: | Team 6 | Last Updated By: | Team 6 |
| Date Created: | 02/21/2016 | Date Last Updated: | 02/21/2016 |

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| Actors: | Standard user |
| Description: | A typical Entrée user will browse Instagram posts of food until he/she sees a photo that is appealing. Selecting that post will bring the user to a detail view showing the location (restaurant) where the photo was taken and any Yelp reviews for that location. |
| Trigger: | User logs in and visits the homepage |
| Preconditions: | User is registered.<br>User is authenticated.<br>User has selected preferences (search radius).<br>User has active internet connection.<br>User is currently viewing the homepage of the app. |
| Postconditions: | New UI view showing rendered Google Maps location and list of recent Yelp reviews for that location. |
| Normal Flow: | 1. User browses list of Instagram posts of food<br>2. User selects a post that appeals to him/her<br>3. User is shown location of restaurant where post was made (using Google Maps) and a list of Yelp reviews for that restaurant. |
| Alternative Flows: | **1.1 - No Instagram posts found for location**<br>The app is unable to find any Instagram posts near the user's location that match the user's preferences. The app will remain on the homepage and suggest that the user increase his/her search radius.<br><br>**1.2 - Could not resolve post's geolocation to a restaurant**<br>The app is unable to resolve the selected post to a specific restaurant. The app will provide a list of nearby restaurants |

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| | that may be where the post was made. <br><br> **1.3 - No Yelp reviews found for restaurant** <br> The app is unable to find any Yelp reviews for the restaurant where the post was made. The app will display a "no Yelp reviews found" message in place of the list of reviews. |
| Exceptions: | 1.0.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again. <br><br> 1.1.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again. <br><br> 1.1.E.2 Could not access Instagram API. Show error message: "Having trouble accessing Instagram, please check connection and try again." <br><br> 1.1.E.3 Instagram API returns no results. Show error message: "Could not find Instagram posts in your area, try increasing your search radius." <br><br> 1.2.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again. <br><br> 1.2.E.2 Could not resolve post location to a restaurant. Show error message, "Sorry we could not find an exact location matching your post, here are some nearby restaurants that may have what you're looking for." <br><br> 1.3.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again. <br><br> 1.3.E.2 Could not access Yelp API. Show error message: "Having trouble accessing Yelp, please check connection and try again." <br><br> 1.3.E.3 Yelp API returns no results. Show error message: "No Yelp reviews found for this location." |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Once every 20 seconds (3 per minute) |
| Business Rules: | Must abide by all legal or statutory requirements. |

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| | Restaurants that don't exist or are closed must not be included in the search results. |
| Special Requirements: | Access APIs and database in an efficient manner. Clicking photo will display new page with image, map location, other photos of restaurant, and yelp reviews. Lazy loading of instagram posts. User is initially shown 20 posts and more are loaded as he/she scrolls down the page. UI views must scale appropriately for desktop, tablet, and mobile screen sizes. |
| Assumptions: | This use case is the main focus and function of Entrée. The homepage is the central focus of the web app. Users will be spending most of their time browsing the homepage for Instagram posts. |
| Notes and Issues: | If the exact geolocation of a post cannot be resolved we could optionally show Google Maps locations of nearby restaurants in addition to a basic list of nearby restaurants. Optionally a single click of a Instagram post in the list could bring up a modal description of the Instagram post including likes, comments, etc. A double click on the post brings the user to the detail view with the Google Maps view and Yelp reviews. Both of these features are not essential to the function of the app but could improve the user experience. |

| Use Case ID: | 2 | | |
|---|---|---|---|
| Use Case Name: | Register New User | | |
| Created By: | Team 6 | Last Updated By: | Team 6 |
| Date Created: | 03/11/2016 | Date Last Updated: | 03/11/2016 |

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| Actors: | Standard user |
| Description: | Entrée users will have to register first to be able to use the app which will prompt the user to submit their Facebook/Instagram login credentials and authorize Entrée the use of their account data. |
| Trigger: | New user arrives on the site and wants to sign up |
| Preconditions: | Browser page is loaded properly<br>User is connected to the internet |
| Postconditions: | User is registered |
| Normal Flow: | 1. User opens the register new user page<br>2. User submits email and password<br>3. User confirms email address<br>4. User is redirected to main site |
| Alternative Flows: | 2.3 **User does not confirm their email address**<br>If the user does not confirm their email within a week of account creation, the account is suspended and the user will not be allowed to log on with their credentials. The system will delete the account after 2 weeks of non-confirmation |
| Exceptions: | 2.1.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again.<br><br>2.2.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again.<br><br>2.2.E.2 Could not access Instagram API. Show error message: "Having trouble accessing Instagram, please check connection and try again." |
| Includes: | None |

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| Priority: | High |
| Frequency of Use: | Once per user |
| Business Rules: | Must abide by all legal or statutory requirements. |
| Special Requirements: | Access APIs and database in an efficient manner.<br>Allow users to register with Instagram if they do not have a profile.<br>UI views must scale appropriately for desktop, tablet, and mobile screen sizes. |
| Assumptions: | This use case is a primary function of Entree. Without registering, the user will be unable to access other views. |
| Notes and Issues: | None |

| Use Case ID: | 3 | | |
|---|---|---|---|
| Use Case Name: | Update user preferences | | |
| Created By: | Team 6 | Last Updated By: | Team 6 |
| Date Created: | 03/11/2016 | Date Last Updated: | 03/11/2016 |

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| Actors: | Standard user |
| Description: | A typical Entrée user will select preferences based on location, types of food, and distance. With these preferences, Instagram posts of food matching the requirements will be displayed. Once the user browses until he/she sees a photo that is appealing. Selecting that post will bring the user to a detail view showing the location (restaurant) where the photo was taken and any Yelp reviews for that location. |
| Trigger: | User logs in and goes to homepage, then navigates to preferences |
| Preconditions: | User is registered. User is authenticated. User has selected search radius and location User has selected food preference User has keyed in keywords within search bar. User has active internet connection. User is currently viewing the preference of the app. |
| Postconditions: | New UI view showing the listing of Instagram posts based on selected preferences. |
| Normal Flow: | 4. User selects location and radius<br>5. User selects type of food<br>6. User keys in keywords within search bar<br>7. User hits search button<br>8. User browses list of Instagram posts of food<br>9. User selects a post that appeals to him/her<br>10. User is shown location of restaurant where post was made (using Google Maps) and a list of Yelp reviews for that restaurant. |
| Alternative Flows: | **3.1 - No Instagram posts found for location**<br>The app is unable to find any Instagram posts near the user's |

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| | location or user input that match the user's preferences. The app will remain on the homepage and suggest that the user increase his/her search radius.<br><br>**3.2 - No Instagram posts for keywords in search bar**<br>The app is unable to find any Instagram posts matching or similar to the keyword entered by the user. The app will remain on the preference/search page and suggest that the user use different keywords and provide suggestions. |
| Exceptions: | 3.0.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again.<br><br>3.1.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again.<br><br>3.1.E.2 Could not access Instagram API. Show error message: "Having trouble accessing Instagram, please check connection and try again."<br><br>3.1.E.3 Instagram API returns no results. Show error message: "Could not find Instagram posts in your area, try increasing your search radius."<br><br>3.1.E.4 Preferences cannot update based on no results. Show error message: "Could not find Instagram posts that match your preferences, try different keywords or preferences."<br><br>3.2.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again.<br><br>3.2.E.2 Could not resolve post location to a restaurant. Show error message, "Sorry we could not find an exact location matching your post, here are some nearby restaurants that may have what you're looking for."<br><br>3.3.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again.<br><br>3.3.E.2 Could not access Yelp API. Show error message: "Having trouble accessing Yelp, please check connection and try again."<br><br>3.3.E.3 Yelp API returns no results. Show error message: "No Yelp reviews found for this location." |

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| Includes: | Use Case 1 |
| Priority: | Medium |
| Frequency of Use: | Once every 20 seconds (3 per minute) |
| Business Rules: | Must abide by all legal or statutory requirements. Restaurants that don't exist or are closed must not be included in the search results. |
| Special Requirements: | Access APIs and database in an efficient manner. Preference menu located at top of web page Click and drop menu for each preference. Search bar of keywords (hashtags of instagram photos) Search button at the end of preference. Clicking photo will display new page with image, map location, other photos of restaurant, and yelp reviews. Lazy loading of instagram posts. User is initially shown 20 posts and more are loaded as he/she scrolls down the page. UI views must scale appropriately for desktop, tablet, and mobile screen sizes. |
| Assumptions: | This use case is a secondary/supplementary function of Entree. Users may not want to browse through every photo but they will have a specific preference that can shorten the look up of Instagram posts. |
| Notes and Issues: | None |

| Use Case ID: | 4 | | |
|---|---|---|---|
| Use Case Name: | Login | | |
| Created By: | Team 6 | Last Updated By: | Team 6 |
| Date Created: | 3/13/2016 | Date Last Updated: | 3/13/2016 |

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| Actors: | Standard user |
| Description: | A typical Entree user will login after opening the application. They will login using their credentials which will checked by Django's built-in user authorization. |
| Trigger: | Application startup |
| Preconditions: | User has active internet connection |
| Postconditions: | Homepage is opened |
| Normal Flow: | 1. User opens Entree <br> 2. User enters their Entree credentials |
| Alternative Flows: | 4.1 **Application cannot verify User's credentials** <br> After the user enters their username/password, Django is unable to verify and obtain the user's profile. A dialog box will open explaining that no profile was found. It will suggest checking their username/password combination and trying again. It will also give the option to create a new account. |
| Exceptions: | 4.0.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again <br><br> 4.1.E.1 Loss of connection to internet. Show error message: "Check your internet connection" and give option to try again <br><br> 4.1.E.3 Django unable to find associated profile. Show error message: "Could not find profile for username/password combination. Please check credentials and try again." |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Every use session |

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| Business Rules: | Must abide by all legal or statutory requirements. |
| Special Requirements: | Access APIs and database in an efficient manner.<br>UI views must scale appropriately for desktop, tablet, and mobile screen sizes. |
| Assumptions: | This use case is a primary function of Entree. Without logging in the user will be unable to access other views. |
| Notes and Issues: | None |

# Revision History

| Name | Date | Reason For Changes | Version |
|---|---|---|---|
| Team 6 | 2/21 | Initial document version | 1.0.0 |
| Team 6 | 3/16 | Added remaining use cases | 1.1.0 |