Software Requirements Specification

for

Yelp Database Project

Team: 2

Project: CPTS 322 & 451 Yelp Database

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Last Updated: 2-17-2019

# 9. Use Cases

[Include a header paragraph for your product here. In this section you will specify UML use cases for the user-visible features and functions that you have specified herein. A use case describes a sequence of actions that provide something of measurable value to an actor. Each use case will briefly describe the use case scenario, identify the actor(s), and provide a UML use case diagram. Use case diagrams show the system box containing the feature/function (use case), the actor(s), and the interconnections/associations between these (see example Figure 9-1 below). Use the following format for this section.]

## 9.1 [Yelp Database Use Case Diagram]

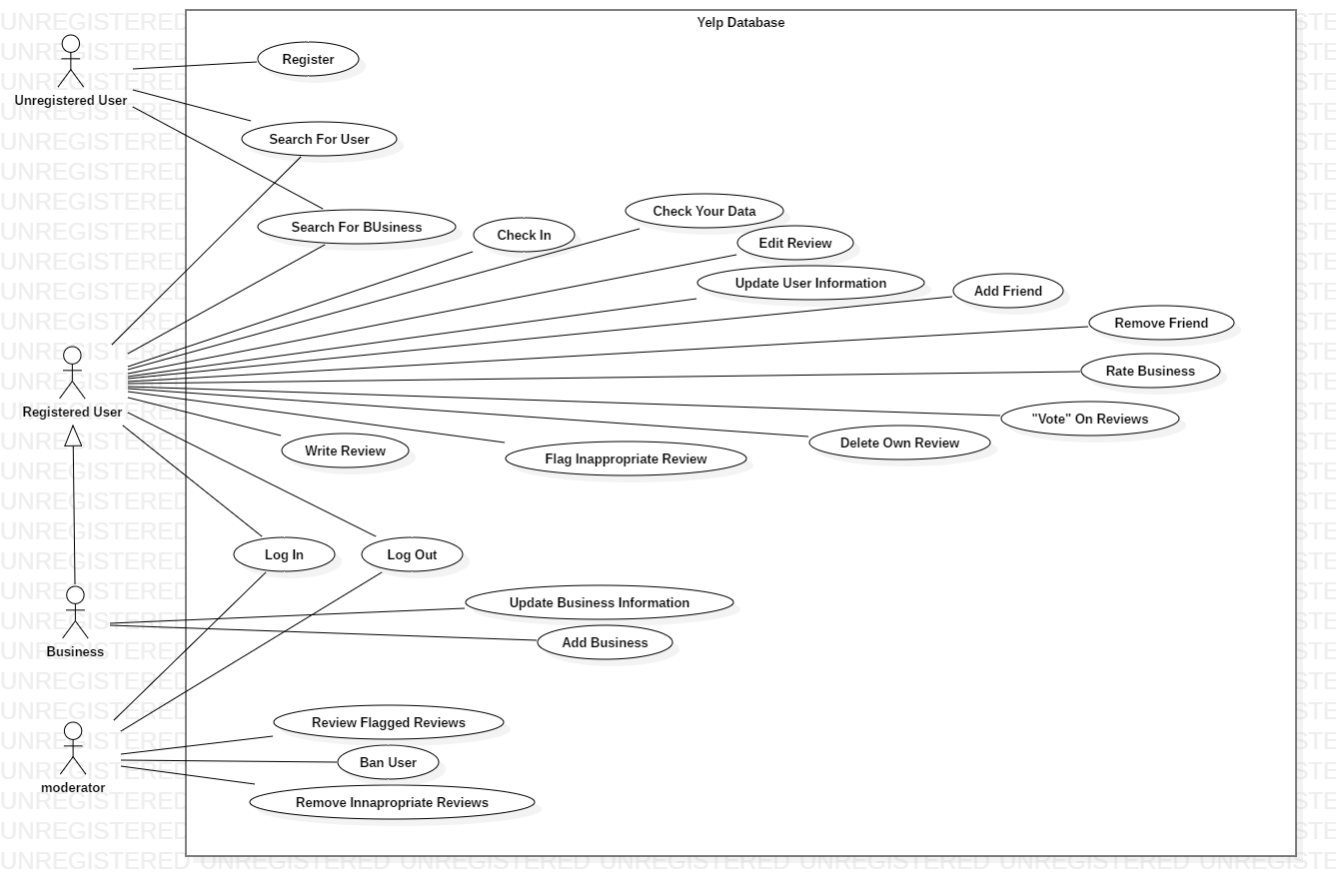


Figure 9-1 Use Case: Make Online Purchase Using Credit Card

9.1.1 [Use Case 1]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 1 )** | | Use Case Name | **Register** | |
| Created by | Isaac Schultz | Last Updated by | Isaac Schultz | |
| Date Created | 2-17-2019 | Date Last Updated | 2-17-2019 | |
| Actor | | Unregistered user | | |
| Description | | Creating a registered user account. | | |
| Preconditions | | The user does not have an account | | |
| Post conditions | | The user is signed in and now has an account | | |
| Priority: (low/medium/high) | | High | | |
| Frequency of Use | | Common | | |
| Normal Course | | **UC-1: Case** | | |
|  | | **Actor Actions**  1. Create Username + password  3. Input user information (name, age…) | | **System Responses**  2. Add user to database. |
| Alternative Course | | User will add information later. | |  |
|  | | **Actor Actions**  1. Create Username + password | | **System Responses**  2. Add user to database. |
| Exceptions | | Username already exists | |  |
|  | | **Actor Actions**  1. Pick a new username | | **System Responses**  **2. Add user to database** |
| Includes (another use case id) | | N/A | | |
| Special requirements | | N/A | | |
| Assumptions | | Usernames must be unique | | |
| Notes and issues | | N/A | | |

## 9.1.2 [Use Case 2]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 2 )** | | Use Case Name | **S**earch For User | |
| Created by | Isaac Schultz | Last Updated by | Isaac Schultz | |
| Date Created | 2-17-2019 | Date Last Updated | 2-17-2019 | |
| Actor | | Registered or Unregistered User | | |
| Description | | Searches the database for users and displays their information and reviews. | | |
| Preconditions | | N/A | | |
| Post conditions | | Displays results of the search | | |
| Priority: (low/medium/high) | | Medium | | |
| Frequency of Use | | Very Common | | |
| Normal Course | | **UC-2: Case** | | |
|  | | **Actor Actions**  1. Search for other users | | **System Responses**  2. Display all relevant users based on the search criteria. |
| Alternative Course | |  | |  |
|  | | **Actor Actions** | | **System Responses** |
| Exceptions | | No users returned from search | |  |
|  | | **Actor Actions**  1. Search for other users | | **System Responses**  **2. Tell user that there are no results** |
| Includes (another use case id) | | N/A | | |
| Special requirements | | N/A | | |
| Assumptions | | User database is efficiently searchable for a query to be served in a short amount of time. | | |
| Notes and issues | | N/A | | |

9.1.3 [Use Case 3]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 3 )** | | Use Case Name | **Search for Business** | |
| Created by | Isaac Schultz | Last Updated by | Isaac Schultz | |
| Date Created | 2-17-2019 | Date Last Updated | 2-17-2019 | |
| Actor | | Registered or Unregistered User | | |
| Description | | Searches the database for Businesses and displays their information and reviews. | | |
| Preconditions | | N/A | | |
| Post conditions | | Displays results of the search | | |
| Priority: (low/medium/high) | | High | | |
| Frequency of Use | | Very Common | | |
| Normal Course | | **UC-3: Case** | | |
|  | | **Actor Actions**  1. Search for businesses | | **System Responses**  2. Display all relevant businesses based on the search criteria. |
| Alternative Course | | N/A | |  |
|  | | **Actor Actions** | | **System Responses** |
| Exceptions | | No businesses returned from search | |  |
|  | | **Actor Actions**  1. Search for businesses | | **System Responses**  **2. Tell user that there are no results** |
| Includes (another use case id) | | N/A | | |
| Special requirements | | N/A | | |
| Assumptions | | That business attributes such as location and food types are stored indexed in the database. | | |
| Notes and issues | | N/A | | |

9.1.4 [Use Case 4]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 4 )** | | Use Case Name | **Check in** | |
| Created by | Isaac Schultz | Last Updated by | Isaac Schultz | |
| Date Created | 2-17-2019 | Date Last Updated | 2-17-2019 | |
| Actor | | Registered User | | |
| Description | | Create a “Check in” from a registered user for a certain business at a certain time | | |
| Preconditions | | User is logged in and on database when they are physically at the business. | | |
| Post conditions | | The system now knows the user checked in at the location. | | |
| Priority: (low/medium/high) | | Medium | | |
| Frequency of Use | | Common | | |
| Normal Course | | **UC-4: Case** | | |
|  | | **Actor Actions**  1. Check in at a selected business | | **System Responses**  2. Log the user check-in in the database. |
| Alternative Course | | N/A | |  |
|  | | **Actor Actions** | | **System Responses** |
| Exceptions | | N/A | |  |
|  | | **Actor Actions** | | **System Responses** |
| Includes (another use case id) | | N/A | | |
| Special requirements | | N/A | | |
| Assumptions | | The user is logged in and registered and is physically at the business they are checking in to. | | |
| Notes and issues | |  | | |

9.1.5 [Use Case 5]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 5 )** | | Use Case Name | **Check Your Data** | |
| Created by | Isaac Schultz | Last Updated by | Isaac Schultz | |
| Date Created | 2-17-2019 | Date Last Updated | 2-17-2019 | |
| Actor | | Registered User | | |
| Description | | Look at your “profile page” and read through your data. Name, average stars, etc… | | |
| Preconditions | | User is not at their profile page. | | |
| Post conditions | | User is at their profile page. | | |
| Priority: (low/medium/high) | | High | | |
| Frequency of Use | | Common | | |
| Normal Course | | **UC-5: Case** | | |
|  | | **Actor Actions**  1. Select to view user profile | | **System Responses**  2. Display data about the user from. |
| Alternative Course | | N/A | |  |
|  | | **Actor Actions** | | **System Responses** |
| Exceptions | | User is not logged in | |  |
|  | | **Actor Actions**  1. Select to view user profile | | **System Responses**   2. Prompt user to register or sign in. |
| Includes (another use case id) | | N/A | | |
| Special requirements | | N/A | | |
| Assumptions | | User is registered and logged in. | | |
| Notes and issues | |  | | |

9.1.6 [Use Case 6]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 6 )** | | Use Case Name | **Edit Review** | |
| Created by | Isaac Schultz | Last Updated by | Isaac Schultz | |
| Date Created | 2-17-2019 | Date Last Updated | 2-17-2019 | |
| Actor | | Registered User | | |
| Description | | Allows a registered user to edit one of their previously written reviews | | |
| Preconditions | | N/A | | |
| Post conditions | | Users Review is updated to reflect the changes. | | |
| Priority: (low/medium/high) | | low | | |
| Frequency of Use | | Uncommon | | |
| Normal Course | | **UC-6: Case** | | |
|  | | **Actor Actions**  1. Select Review to edit  3. Edit Review | | **System Responses**  2. Show user that review and allow them to edit it.  4. Save Changes to the review in the database. |
| Alternative Course | | N/A | |  |
| Exceptions | | User cancels changes | |  |
|  | | **Actor Actions**  1. Cancel Edit | | **System Responses**  2. Do Not Save Changes and exit edit page. |
| Includes (another use case id) | | N/A | | |
| Special requirements | | N/A | | |
| Assumptions | | User has written at least one review. | | |
| Notes and issues | | This may be problematic because a user can change their review after another user has responded, and it could change the context of the response. For instance, A user could leave a positive text review and a business could respond with a “thank you.” The user could change their review to be negative to the business and it would appear that the business was agreeing with them in their response after the edit. | | |

9.1.7 [Use Case 7]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 7 )** | | Use Case Name | **Update User Information** | |
| Created by | Isaac Schultz | Last Updated by | Isaac Schultz | |
| Date Created | 2-17-2019 | Date Last Updated | 2-17-2019 | |
| Actor | | Registered User | | |
| Description | | Allows a user to edit their information (Name, Location, etc…) | | |
| Preconditions | | User is signed in | | |
| Post conditions | | User is signed in | | |
| Priority: (low/medium/high) | | Low | | |
| Frequency of Use | | Uncommon | | |
| Normal Course | | **UC-7: Case** | | |
|  | | **Actor Actions**  1. Select to update their information.  3. Edit their information. | | **System Responses**  2. Display current user info and allow them to edit it.  4. Save changes to the database. |
| Alternative Course | | N/A | |  |
|  | | **Actor Actions** | | **System Responses** |
| Exceptions | |  | |  |
|  | | **Actor Actions** | | **System Responses** |
| Includes (another use case id) | | N/A | | |
| Special requirements | | N/A | | |
| Assumptions | | User is signed in and registered. That user is not allowed to change things like Age. | | |
| Notes and issues | |  | | |