Software Requirements Specification

for

Yelp Database Project

Team: 2

Project: CPTS 322 & 451 Yelp Database

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# 9. Use Cases

The yelp database must be capable of handling use cases for each actor, which are; an Unregistered User, a Registered User, a Business (Which is a subclass of a Registered User), and a Moderator. The system should be able to handle tasks that you would expect from any user-based platform such as Registering an account, logging in, and rating/reviewing businesses. As well as a suite of features for Businesses to list themselves on the database. The system must also have measures in place to moderate what is seen and keep things appropriate.

## 9.1 Yelp Database Use Cases

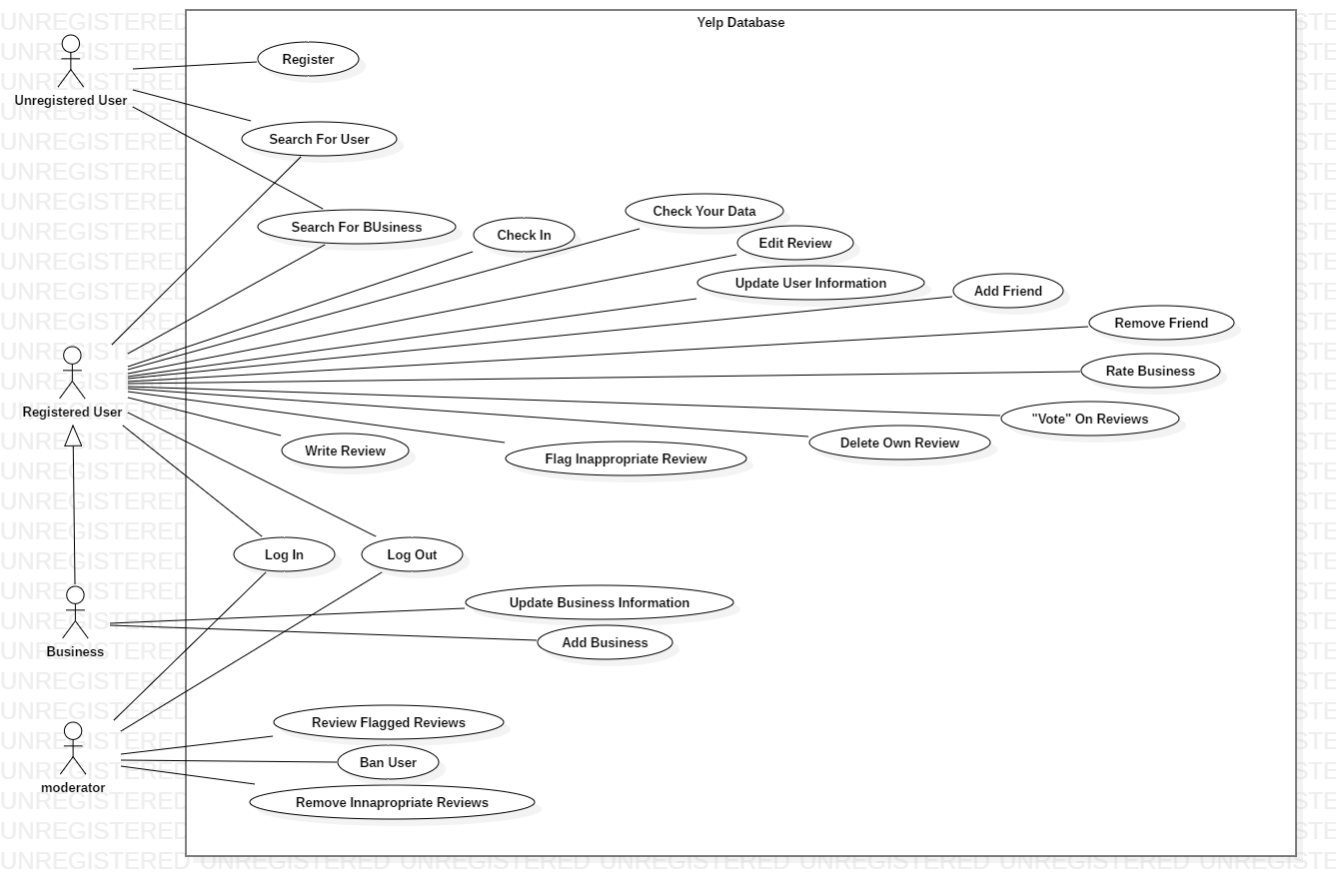


Figure 9-1 Use Case: User Interaction with Yelp Database

9.1.1 Search For User

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 Search For User**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID **( UC – 2 )** | | Use Case Name | **Search 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 Search for Business

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 Check in

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 Check Your Data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 Edit Review

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 then change their review to be negative to the business and it would appear that the business was agreeing with them in their response. | | |

9.1.7 Update User Information

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