**Use Case Specification**

**Author:**

Prasad Menda

Vaibhav Babbariya

**Revision History**

| **Date** | **Revision #** | **Created By** | **Revision Notes** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**UC 04.02 View Usage Pattern**

| **Actor(s):** | 1. Registered User |
| --- | --- |
| **Short Description:** | The View Usage Patterns feature allows registered users to access and analyze their historical usage patterns within the Reviewer application. |
| **Pre-conditions:** | 1. The user is logged in and has a registered account. 2. Sufficient historical data, including search history, bookings, ratings, and reviews, is available for the user. |
| **Post-conditions:** | 1. The user gains insights into their usage patterns through visual representations and data summaries. |
| **Frequency of Use:** | Frequently accessed by users who want to understand and reflect on their past interactions within the Reviewer application. |
| **Normal Flow of Events:**   1. The registered user initiates the platform use case. (JP1: CN) 2. The registered user logs into the application. 3. The registered user navigates to the "View Usage Patterns" section within their account settings. 4. The application retrieves and compiles relevant historical data, including search queries, and review submissions. 5. The user is presented with visual representations such as charts showcasing their usage patterns over a specified period. (JP2: DFO) 6. The application may provide additional insights or suggestions based on the user's usage patterns. (JP3: EN) | |
| **Alternative Flows:** None | |
| **Exceptions:** None | |
| **<<Include>> Relationships:** | None |
| **<< Extend>> Relationships:** | None |
| **Business Rules:** | 1. Ensuring adherence to data privacy regulations while collecting and analyzing user interactions to maintain user confidentiality. 2. Establishing standardized methods to interpret and analyze user behavior across different sections to maintain accuracy and consistency. |
| **Assumptions:** | 1. Assuming comprehensive and accurate data collection of user interactions within the platform's various sections. 2. Assuming that user behavior within the platform remains relatively consistent over the analyzed period. |

**UC.04.03 Modify Suggestion Patterns**

| **Actor(s):** | 1. Registered User |
| --- | --- |
| **Short Description:** | This use case involves the modification of suggestion patterns within the "Reviewer" platform, enabling the system to enhance event, hotel, and food recommendations based on user preferences and historical data. |
| **Pre-conditions:** | 1. The user must be logged into the "Reviewer" system. 2. The user has previously interacted with the system, providing preferences or reviews. |
| **Post-conditions:** | 1. The suggestion patterns are successfully modified based on the user's preferences. 2. The updated patterns are reflected in the recommendations for events, hotels, and food. |
| **Frequency of Use:** | Moderately used by users who wish to customize and optimize their experience within the Reviewer application. |
| **Normal Flow of Events:**   1. The registered user initiates the platform use case. (JP1: CN) 2. The registered user logs into the application. 3. The registered user navigates to the "Modify Usage Patterns" section within their account settings. 4. The user interacts with the modification options, adjusting preferences, filters, or time ranges. (JP2: DFO, JP3: CL) 5. The application dynamically updates the visual representations and data summaries based on the user's modifications. (JP4: EN) | |
| **Alternative Flows: None** | |
| **Exceptions:** None | |
| **<<Include>> Relationships:** | None |
| **<< Extend>> Relationships:** | None |
| **Business Rules:** | 1. The Modify Usage Patterns feature is accessible only to registered users. 2. The application ensures that modifications made by the user align with system capabilities and do not compromise data integrity. |
| **Assumptions:** | 1. Users are familiar with the concept of modifying preferences and are comfortable navigating the settings or profile section. 2. The system has access to a reliable database of events, hotels, and food information for effective suggestion pattern modification. |