**User Manual for StayFinder Hotel Recommendation System**

StayFinder is a Hotel Recommendation System that helps travelers find the best-matched hotels based on their preferences. The system provides recommendations based on the type of hotel, location, rating, and amenities chosen by the user.

**Getting Started:**

1. Open SWI Prolog and consult the file.
2. Write a query begin. To run the system.
3. Once the code is running, you will see the system's welcome message and the main menu.

**Main Menu:**

The main menu offers three options:

Option 1: If you want to find a hotel based on your preferences.

Option 2: If you don't want any hotel recommendations and wish to exit the system.

Option 3: If you are an admin and want to access admin functionalities (password-protected).

**Finding a Hotel:**

If you choose option 1 from the main menu, you will be guided through a series of questions to customize your hotel search.

Type Selection:

**-** A prompt will ask you to choose your preferred hotel type from a list.

- Enter the corresponding number (1 to 5) to make your selection.

Location Selection:

* You will be prompted to select the preferred location of the hotel.
* Enter the corresponding number (1 to 9) to make your selection.
* Selecting 0 will proceed to the recommendation based on the previously chosen type.

Rating Selection:

* You'll be asked to choose the preferred hotel rating
* To make your choice, enter the corresponding number (1 to 4).
* Selecting 0 will proceed to the recommendation based on the previously chosen type and location.

Amenities Selection:

* You will be prompted to select the desired hotel amenities.
* Enter the corresponding number (1 to 14) to make your selection.
* Selecting 0 will proceed to the recommendation based on the previously chosen type, location, and rating.

**Recommendation and Result Display:**

* Based on your preferences, StayFinder will provide a list of recommended hotels.
* The recommendations will be displayed with their corresponding numbers.
* If there are no recommendations available, a message will be displayed accordingly.
* You will be asked if you want to see additional recommendations or exit the system.

Note:

If no recommendations are displayed, there is no match based on your preferences.

The system provides options to choose from the available numbers.

You will be prompted to enter a valid number if you have entered invalid input.