

Project Fancy Hotels
CS 4400
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Phase I

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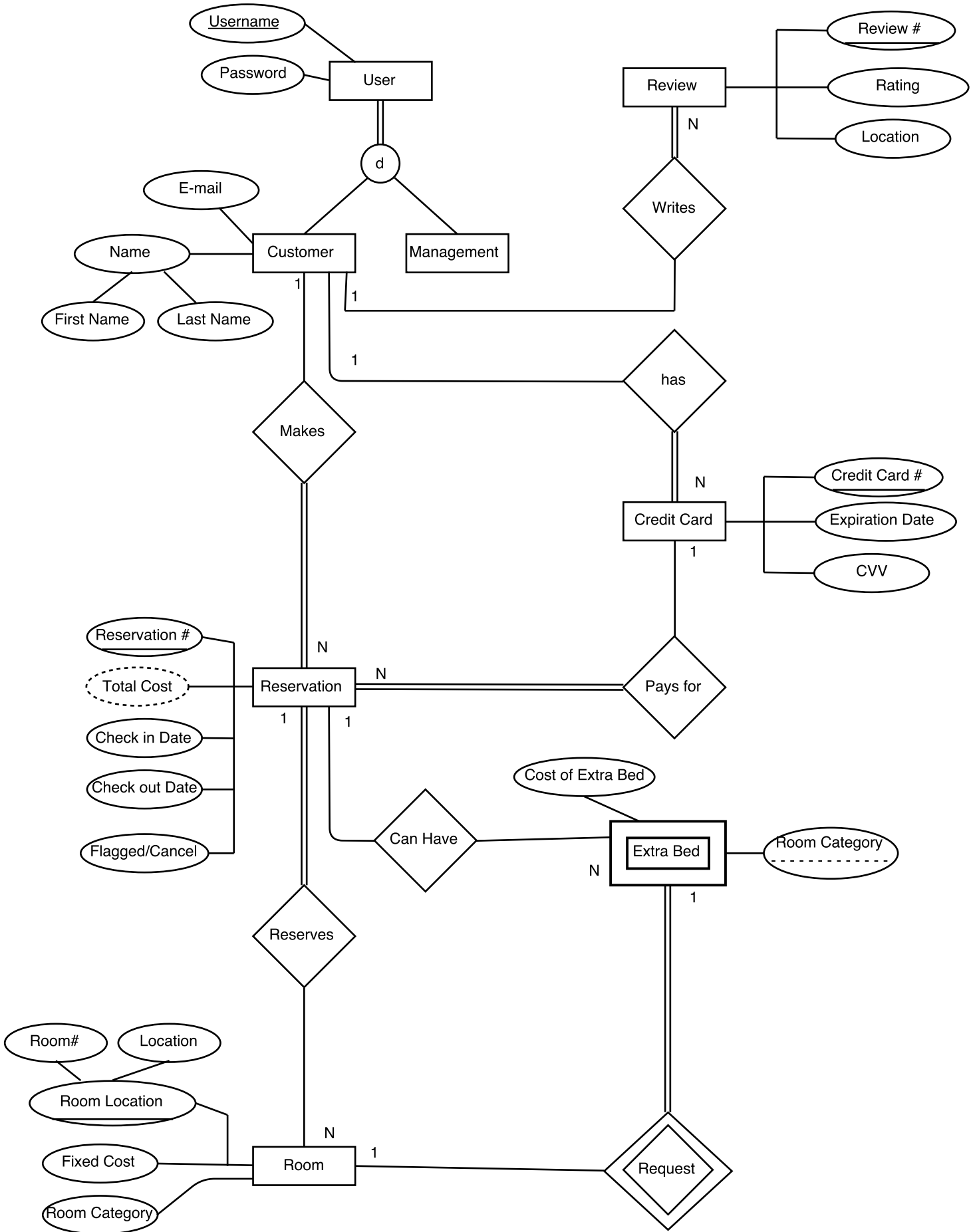
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Project Fancy Hotels

Enhanced Entity Relationship Diagram



Project Fancy Hotels Constraints and Assumptions

Project Constraints:

1. Customer must have a credit card to be able to make reservation because it is the only acceptable method of payment.
2. When a new customer signs up for the first time, he or she must choose a password that satisfies the following security requirements:
 - 2.1. At least eight characters long.
 - 2.2. Must contain at least one uppercase (A-Z), one lower case(a-z) and one digit (0-9).
 - 2.3. Must not contain user's name or username.
3. If credit card expires, no payment can be made. The customer will have to enter new credit card information to be able to make a new reservation.
4. Customer can only edit and/or cancel a reservation only if they have made reservation.
5. The number of extra-beds a customer can request for, must be less or equal to the number of rooms for a specific reservation because any given room is allowed to have at most one extra bed.
6. A Standard room can accommodate 2 people, a Family can accommodate 4, and a Suite can accommodate 4.
7. The following policies would be applied when a reservation is canceled:
 - 7.1. No refund for any cancellation made one day before the start date
 - 7.2. 80 % will be refunded for a cancellation made 3 days before the start date
 - 7.3. 100 % would be refunded for a cancellation made earlier than 3 days before the start date

Assumptions:

1. Customers have enough money to make a reservation.
2. Managers already have their login, so they do not need to sign up.
3. User can have multiple user name with different emails.
4. Customer's name is the same as the name on his or her credit card.
5. One reservation can have multiple rooms.
6. Each review has unique review number .
7. Each reservation can be paid with only one card.

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Info Flow Diagram

