Team Assignment 1: Requirement & Wireframe

Team DRYV

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User Story:
As a customer, I want to put a rental quirement on FLAT, so that I can get short-rent/hotel room for my trip.

Use Case Name: Rental Request

Actors:
Registered Customers
Non-Registered Customers
Host
Requirement Processing System(processing the requirements of customers)
Order Processing & Billing System(processing the order between the customers and hosts)

Triggers: Customers need to find some place to stay for his/her trip.

Preconditions: Customers have specific requirements of their expected room.

Postconditions:
1.The approved order will be stored in the system.
2.There will be an order ID for both customer and host to track the order.
3. Both host and the customer will known the detail of the order(date, location...).
4. The order and the request that not be approved will be deleted from the system.

Basic flows:
1. Customer enters the criteria(location, room type, price) for their expected room.
2. System determines criteria entered by customer is eligible (see EX1).
3. System determines customer is not logged in and redirects customer to log in (see AC1).
4. Customer logs in (see AC2).
5. Customer reviews the room criteria and confirms the request (see AC3).
6. System matches room criteria and the information of possible hosts (see EX1).
7. Hosts that match the criteria receive the request.
8. Hosts review the request and choose to accept the request.

9. System tells customer which hosts have accepted the request.
10. Customer chooses one of hosts who accept the request and places an order. (see AC4a).
11. System processes the order (see EX2).

Alternate flows:
AC1 System determines that customer is already logged in.
    1. Return to basic flow step 5.
AC2 Customer hasn't signed up yet.
    1. System redirects customer to sign up.
    2. Customer successfully signs up.
    3. Return to basic flow step 5.
AC3 Customer wants to change the room criteria.
    1. Return to basic flow step 1.
AC4a Customer decides to retract the request before placing an order.
    1. System asks customer to confirm the retraction.
    2. Customer decides to retract the request (see AC4b).
    3. System tells hosts a request has been retracted.
    4. Return customer to basic flow step 1.
AC4b Customer decides not to retract the request.
    1. Return to basic flow step 11.

Exception flows:
EX1 System determines criteria entered by customer is false (like nonexistent address).
    1. System tells customer which piece of information is false.
    2. Return customer to basic flow step 1.
EX2 System finds no hosts that meet customer's requirement.
    1. System tells customer there's no host to be found.
    2. Return customer to basic flow step 1.
EX3 System fails to process the order
    1. System tells customer an error has happened and possible reason.
    2. Return customer to basic flow step 9.