Acronyms and Definitions

UC - Use case
UCD - Use case Description
URS - User Requirements Specification
SRS - System Requirements Specification

User Characteristics

User	Description
Customer	The customer is an individual or group looking to book accommodations for personal or business purposes.
Hotel Manager	The hotel manager is responsible for overseeing the daily operations of the hotel, who can manage the hotel information in the system.

Define User = Customer&Hotel Manager
1. Feature
Feature #1 Authentication System

URS-01: Users can log into the system by input phone number and password.
URS-02: Users can log out of the system.
URS-03: Users can register in the system by input phone number, password and confirm password.
URS-04: Users can reset password in the system by input phone number, verification code and new password.

Feature #2 Booking System

URS-05: Customers can search hotel by input city, location, check-in/out time and member.
URS-06: Customers can view hotel details.
URS-07: Customers can book hotel's room by choose check-in/out time, member and room type.
URS-08: Customers can view book orders.
URS-09: Customers can update book order by choose check-in/out time, member and room type.
URS-10: Customers can cancel book order.

Feature #3 Upload System

URS-11: Hotel Manager can upload room information.
URS-12: Hotel Manager can view user's rooms information.
URS-13: Hotel Manager can update user's rooms information.
URS-14: Hotel Manager can delete user's rooms information.

Feature #4 Payment System

URS-15: Customers can bind payment information.
URS-16: Customers can unbind payment information.
URS-17: Customers can choose a payment method to pay for book order.

Feature #5 User System

URS-18: Users can upload user information.
URS-19: Users can update user information.

1. User requirement and system requirement.

Feature #1 Authentication System

URS-01: Users can log into the system by input phone number and password.

SRS-01: The system will display login page, which contains the following login forms to be input: phone number, password and a "login" button.

SRS-02: The system will check whether all the content to be input is not empty. If any content is empty, the system will display the error message "phone number or password cannot be empty". Otherwise, the system will verify the input data.

SRS-03: The system will verify whether the phone number and password exist in the database. If it exists, the system will verify the data, otherwise the system will display "The account does not exist, please register".

SRS-04: The system will verify whether the phone number and password are valid(correct). If it is valid, the system will redirect the user to the home page, otherwise the system will display "Incorrect phone number or password".

URS-02: Users can log out of the system.

SRS-05: The system will display the user Page with a "logout" button which will redirect to login page when be clicked.

URS-03: Users can register in the system by input phone number, password and confirm password.

SRS-06: The system will display the login page with a "register" button which can redirect to register page when be clicked.

SRS-07: The system will display register page, which contains the following register forms to be input: phone number, password, confirm password and a "register" button.

STS-08: The system will check whether all the content to be input is not empty. If any content is empty, the system will display the error message "input cannot be empty". Otherwise, the system will verify the input data.

SRS-09: The system will verify whether the phone number exist in the database. If it doesn't exist, the system will verify the data, otherwise the system will display "The account already exists, please go to login or reset password".

SRS-10: The system will verify whether the phone number and password are valid. If they are valid, the system will create account and redirect the user to the login page. If phone number is invalid the system will display "Invalid phone number format. Please enter a phone number in the format (XX) XXX-XXX-XXXX, including area code." . If the password is invalid the system will display "Invalid password, the password must be at least 8 characters long."

URS-04: Users can reset password in the system by input phone number, verification code and new password.

SRS-11: The system will display the user page with a "Forget password?"

button which will redirect to reset password page when be clicked.

SRS-12: The system will display reset password page, which contains the following reset password forms to be input: phone number, verification code, new password a "send" button (which will send verification code to inputted phone number when be clicked) and a "confirm" button.

SRS-13: The system will check whether the phone number is not empty and valid. If it is empty, the system will display the error message "phone number cannot be empty". If it is invalid the system will display "Invalid phone number format. Please enter a phone number in the format (XX) XXX-XXX-XXXX, including area code." Otherwise, the system will send verification code to the phone number.

SRS-14: The system will check whether all the content to be input is not empty. If any content is empty, the system will display the error message "input cannot be empty". Otherwise, the system will verify the input data.

SRS-15: The system will verify whether the phone number exist in the database. If it exists, the system will verify the data, otherwise the system will display "The account doesn't exist, please go to register first".

SRS-16: The system will verify whether the verification code and new password are valid. If they are valid, the system will update the account password and redirect the user to the login page. If verification code is invalid the system will display "Invalid verification code. Please ensure you have entered the correct code provided to you. Check for typos and try again. If you haven't received the code, please request it again.". If the new password is invalid the system will display "Invalid password, the password must be at least 8 characters long".

Feature #2 Booking System

URS-05: Customers can search hotel by input city, location, check-in/out time and member.

SRS-17: The system will display home page, which contains the following search forms to be input: city, location/hotel, check-in time, check-out time, member a "search" button which will verify the input data when be clicked.

URS-06: Customers can view hotel details.

URS-07: Customers can book hotel's room by choose check-in/out time, member and room type.

URS-08: Customers can view book orders.

URS-09: Customers can update book order by choose check-in/out time, member and room type.

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