X-Reserve User Guide

By Pod 1

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# Introduction (Sean)

## Purpose

## Scope

# System Description (Arash)

## Key Features

X-Reserve offers scalable solution for managing hotel reservations regardless of the hotel type. It provides a simple and easy to use interface for guests, hotel managers and hotel staff. Anyone with Internet access a valid credit card can create an account, view available rooms within a date range, and instantly make reservations. The hotel staff can check-in/out a guest and process their bill with only a few clicks. Also, hotel managers can benefit from a wide range of features such as creating rooms, creating accounts with different roles, and viewing yearly or monthly reservation reports.

## Environment

X-Reserve is developed using Spring Framework which is an open source application framework for the Java platform. This enables the product to be compatible with various operating systems such as Mac, Windows and Linux. Although Spring Framework does not provide any specific programming model, it is modular. Spring has layered architecture, meaning that it is possible to use any of it in isolation, and yet its architecture stays consistent. It allows integrations with many modules or applications such as different databases or reporting applications. X-Reserve can easily be deployed and setup in less than an hour. The Controller is responsible for handling requests from the presentation layer.

## System Components

X-Reserve consists of different components or modules to allow scalability of this product. The system is made of three different layers which provide a consistent and reliable architecture. The Controller is responsible for handling requests from the presentation layer (eg. login, view report, view room list). Theses request are passed to DAO (Data Access Object) which lies within the business layer. DAO generates queries based on the user or system request, executes them on the database, and returns the results to the Controller. In addition to these main components, other parts such as security modules and validators provide confidentiality and integrity for the hotels’ data.

# Step by Step Instructions

## Customers (David)

### Register new account

1. Selects “Register”
2. Enters user’s information. Username and password must be prompted to register

### Edit profile

1. Logs into your account
2. Selects “Edit Profile”
3. Edits the profile and then selects “Save” to update the modification

### Search available rooms (make sure to mention attributes)

1. Pulls the ranch bar to indicates the price range
2. Selects check-in and check-out date
3. Selects number of guests are accompanied
4. Enters attributes and uses comma to separate each attributes
5. Selects “search” to operate the search function

### Make reservation

1. Search available rooms by following the previous steps.
2. Selects “reserve” to reserve the available room
3. Logs into the account
4. Enters the payment information and then selects “reserve” to reserve
5. Confirms the reservation and then selects “Reserve Room”

## Staff (David)

### Check in

1. Logs in as a staff
2. Selects “Reservations” to browse all the reservation information
3. Selects “Check In”, and then enters the username and selects “Next” to check-in
4. Selects the date relevant to the reservation to check in

### Check out

1. Logs in as a staff
2. Selects “Reservations” to browse all the reservation information
3. Selects “Check Out”, and then enters the username and selects “Next” to check-out
4. Selects the date relevant to the reservation to check out

## Admin (Stanley)

### Manage room type

* 1. Left click “Rooms” on the top menu bar to start managing room types

Hint: If you want to view all the existing room types instead of creating a new room type, left click “View Room Types” on the left menu bar to view all the existing room types. (All the room type information will be displayed in the main panel, including the pictures of the room types). If you want to modify an existing room type, you can move your mouse to the room type and a “Delete” and a “Edit” options will be appeared. Choosing “Delete” will delete the room type and selecting “Edit” will allow you to modify the room type.

* 1. Left click “Create Room Type” on the left side bar to create a new room type
  2. In the “Edit Room Type Detail” panel, type the room type name, description, daily rate, maximum occupancy and search attributes
  3. If you want to add an image to the room type, left click the “Add Image” link, and then choose one from a list of pictures

Hint: After adding an image, if you want to change the image, you can simply left click the “Change Image” link and then choose a new picture

* 1. Left click “Save” to create this new room type
  2. After creating a new room type, you will be able to see your newly created room type plus all the existing room types

### Manage room

1. Left click “Rooms” on the top menu bar to start managing room types

Hint: If you want to view all the existing rooms instead of creating a new room, left click “View Rooms” on the left menu to view all the existing rooms. (All the room information will be displayed in the main panel). If you want to modify an existing room, you can move your mouse to the room and a “Delete” and an “Edit” options will be appeared. Choosing “Delete” will delete the room and selecting “Edit” will allow you to modify the room.

1. Left click “Create Room” on the left side bar to create a room
2. In the “Edit Room Detail” panel, type the room number and select a room type for the room
3. Left click “Save” to create this new room

### Manage user (Edit profile)

1. Left click “User” on the top menu bar to start managing users
2. If you want to edit your own profile, left click the “Edit Profile” on the left side bar to modify your own profile
3. Type any new information into the corresponding fields
4. Left click “Save” to confirm the operation

### Manage user (Create user)

* + 1. Left click “User” on the top menu bar to start managing users

Hint: If you want to view all the existing users instead of creating a new user, left click “View Users” on the left menu to view all the existing users. (All the users will be displayed in the main panel). If you want to modify an existing user, you can move your mouse to the user and a “Delete” and an “Edit” options will be appeared. Choosing “Delete” will delete the user and selecting “Edit” will allow you to modify the user.

* + 1. Left click the “Create User” on the left side bar to create a new user
    2. In the “Create User” panel, type the customer username, password, email, address and select a role for the user.
    3. Left click the “Save” button to create this new user

### Manage chargeable items

* + - 1. Left click “Rooms” on the top menu bar to start managing room types

Hint: If you want to view all the existing chargeable items instead of creating a new chargeable item, left click “View Chargeable Items” on the left menu to view all the existing chargeable items. (All the chargeable item information will be displayed in the main panel). If you want to modify an existing chargeable item, you can move your mouse to the chargeable item and a “Delete” and an “Edit” options will be appeared. Choosing “Delete” will delete the chargeable item and selecting “Edit” will allow you to modify the chargeable item.

1. Left click “Create Chargeable Item” on the left side bar to create a new chargeable item
2. In the “Edit Item Type Detail panel, type the item name, description, price and SKU
3. Left click “Save” to create this new chargeable item

### View reports (Arash)