

# Hotel Order Web Application

17-673 Web Application Development  
Team 8 - Project Specification

Team 8  
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# Project Backlog

## Registration and Log in

- **Registration:** The user inputs the information to register before using the web application.
- **Log in & out:** The user can log in and out.

(After logging in)

## Make Order

- **Display Available RoomList:** Users will input the searching keyword ('requirement', like num\_people, start\_date, end\_date ...), and the model returns a list of available rooms type to the page
- **Room Selection:** Users can select a room on the Order Page. Once a room is selected, the 'shopping cart' will refresh and update the newest total amount.
- **Room Details:** Users can view room details by clicking the URL of the room title on the RoomList, they will be directed to the Page with the room's detailed information.

## Payment

- **Checkout:** After clicking the checkout button, it will be directed to the Payment Page. Users can select the payment method.

## Manage Order

- **View Orders:** Users can view their orders, including previous orders and processing orders, on the Order Management Page.
- **Cancel Order:** Users can see the order details and cancel the order.

# Sprint Backlog – Sprint #1

Product Owner: Ron Zhu

Andrew ID: haorong2

All

- Established the models.py. Database design and implementation.

Jiaqi Liu

- Established the frontend HTML file of the 'Make Order Page' and the backend function.
- Function realization – 'Display Available Room(type) List' at the Make Order Page
- Function realization – 'Updated Order Cart ' at the Make Order Page

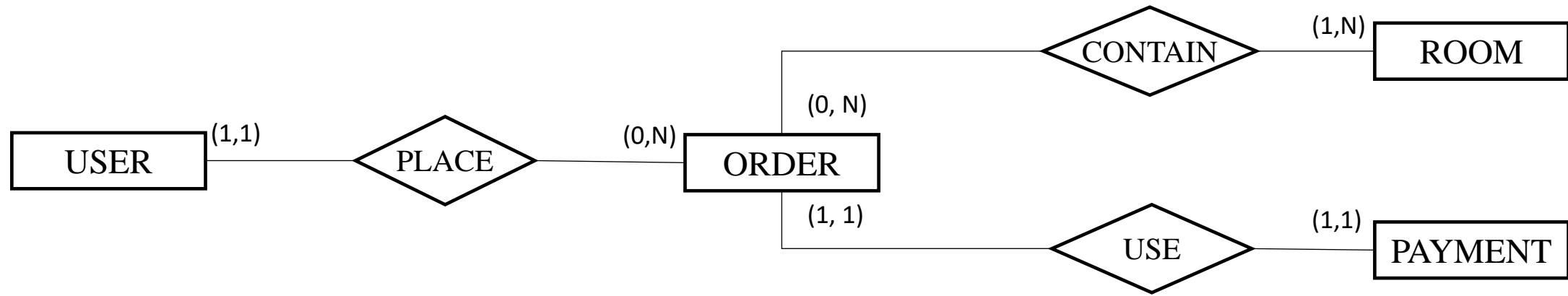
Jie Zhu

- Established the Manage Order Page and the backend function.
- Function realization – 'View Orders
- Function realization – 'Cancel Orders'
- Try to implement the available third-party payment interface and 'plug in' the application

Ron Zhu

- Established the frontend HTML files (Home Page, Room Details Page, User Profile Page, Payment Successful/Failed Page)
- Function realization – 'Registration' + 'log in & out'
- Function realization – 'Modified User Profile'

# Models



**USER** (user\_id, username, password, first\_name, last\_name, phone, email, age, gender, user\_type, national\_id)

**ORDER** (order\_id, room\_id@, start\_date, end\_date, price, customer\_id@, order\_status, )

**ROOM** (room\_id, room\_type, room\_capacity, room\_status, room\_number, room\_price, room\_area )

**PAYMENT** (payment\_id, total\_amount)

## Assumption:

A user can register and might not make any orders yet.

A user can check out an order with multiple rooms. One order\_id can be associated with multiple room\_id.

We don't accept divided payments. Order will be done by only one payment method.

# Pages – Log in Page


Welcome Back to the xxxHotel!


Register


Username:

Password:

Log in Button







# Pages – Registration Page

Welcome to the xxxHotel Family!

[Log in](#)

Username:

Password:

Password2:

Email:

Name:

Register Button

# Pages – Home Page

home

room list

order list

login

register

About Us

text

Fourth Image

Contact Us

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Final Project Team 8

# Pages – Make Order Page

Home	Reservation	View Orders	Username Log out		
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Number of guests Textfield

Start date

End date

Search Button

	Type	Capacity	Description	Price	Quantity
<input checked="" type="checkbox"/>	<a href="#">Single</a>				
<input checked="" type="checkbox"/>	<a href="#">Double</a>				
<input type="checkbox"/>	<a href="#">Triple</a>				
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

Single×1      \$120

Double×1      \$100

Total Amount:      \$220

Check out Button



# Pages – Room Details Page

Home	Reservation	View Orders	Username Log out
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Picture

Description

Return Button

# Pages – Payment Page

Third-party Payment Processing Page...

# Pages – Process Successfully or Failed Page

Home	Reservation	View Orders	Username Log out
Your order was finished..../ fail to verify payment....			

# Pages – Manage Order Page

Home	Reservation	View Orders	Username Log out	
Order id	Order Status			
		Cancel Button		
		Cancel Button		
		Cancel Button		