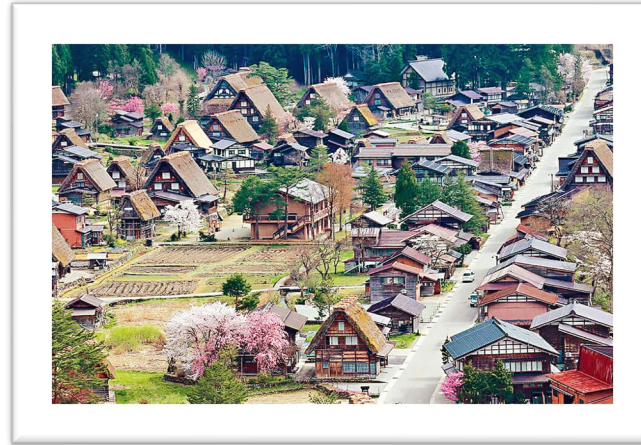


Hotel Order Web Application

17-637 Web Application Development
Team 8 - Sprint #2

Team 8
Jiaqi Liu
Jie Zhu
Ron Zhu

Background Review



Hilton



Hotel Order
Webapp

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.

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 ✓

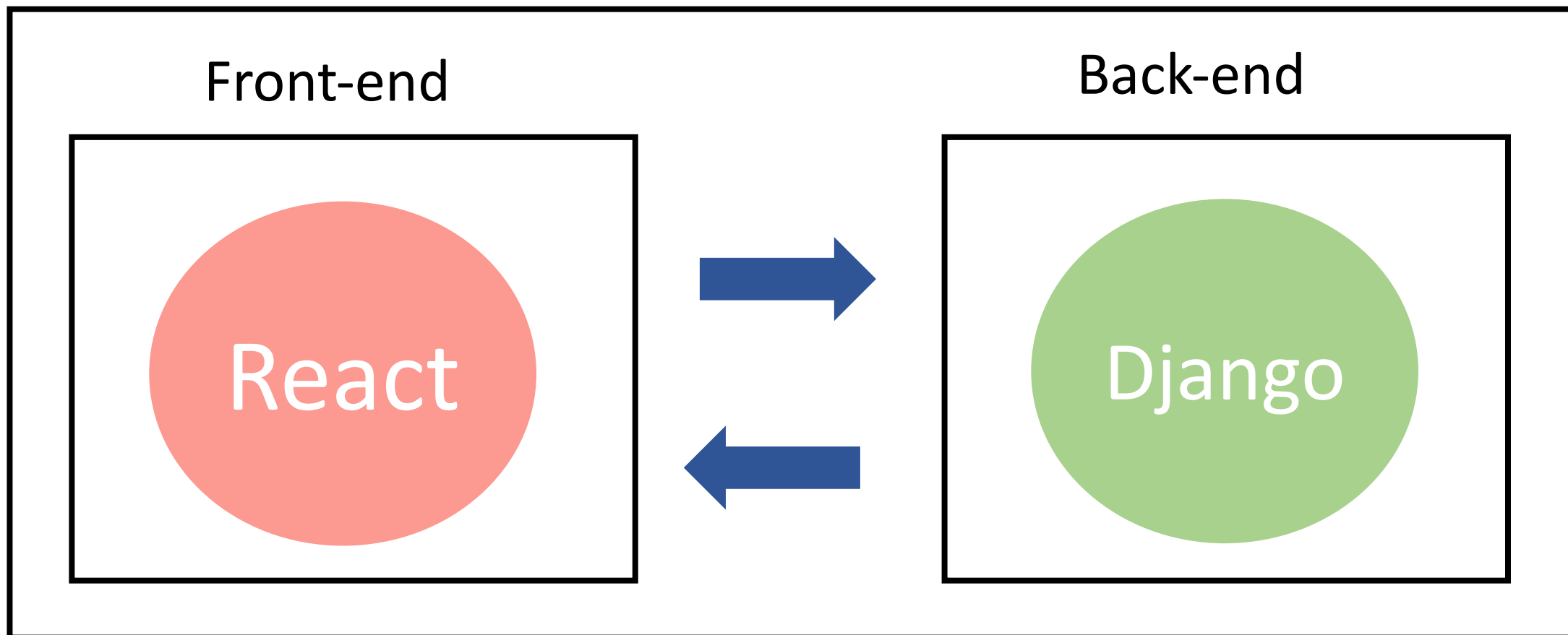
Jie Zhu

- Established the Manage Order Page and the backend function. ✓
- Function realization – 'View Orders' ✓
- 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'

Project



React - advantages

1. Separation – Low Coupling
2. Faster response on DOM
3. Reduce code redundancy
4. Third-party components (Ant Design)

Demo

home

room list

order list

login

register

About Us

text

Fourth Image

Contact Us

Jiaqi Liu

jiaqili3@andrew.cmu.edu

+1 412 954 8356

jiaqili3

Jie Zhu

Jie Zhu@andrew.cmu.edu

+1 412 954 8360

jiezhu2

Haorong Zhu

Haorong Zhu@andrew.cmu.edu

+1 000 000 0000

haorongzhu

Final Project Team 8

Challenge

1. React (Router, hooks like useEffect, useState)
2. Axios (connect the front and back)
3. The logic of returning the available room list
4. The third-party payment interface – WeChat Pay & Stripe
5. CSRF token (manually get and set CSRF in cookies)
6. CORS - Cross-Origin Resource Sharing

Sprint Backlog – Sprint #2

Product Owner: Jie Zhu

Andrew ID: jiezh2

- Complete the User Profile Page, Login Page, and Registration Page
- Function realization – ‘Registration’ + ‘log in & out with Oauth
- Complete the payment successful page and fail page
- Bug Prevention – avoid requests without login
- Bug Prevention – avoid SQL injection, XSS
- Cloud Deployment

Thank you

Team 8 - Hotel Order Web Application

Jiaqi Liu, Jie Zhu, Ron Zhu