Report of Architecture and IS Governance
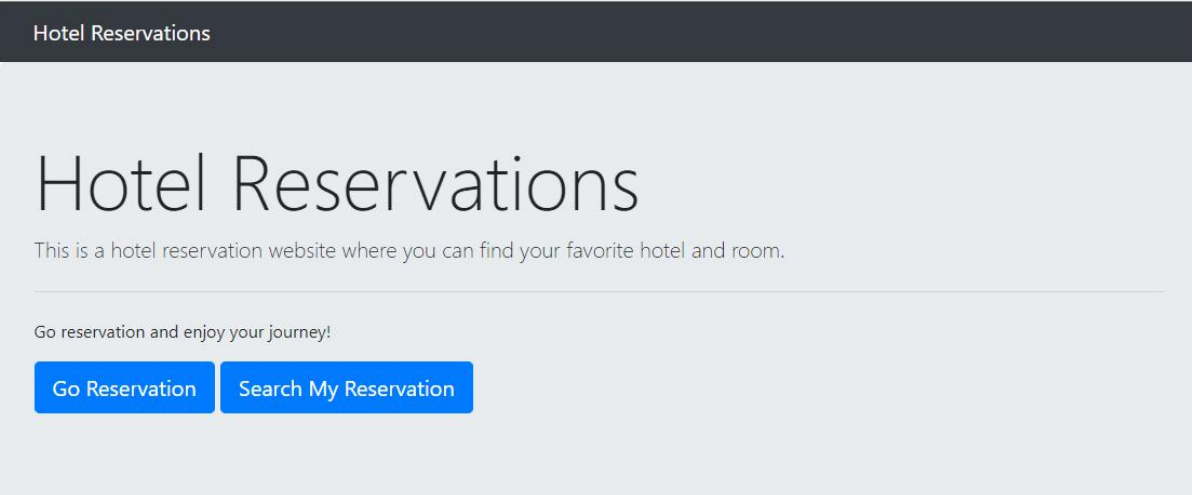
Midterm test:Hotel Reservation

DTCS

Jiazhong YIN &Mingming LU & Ying LI
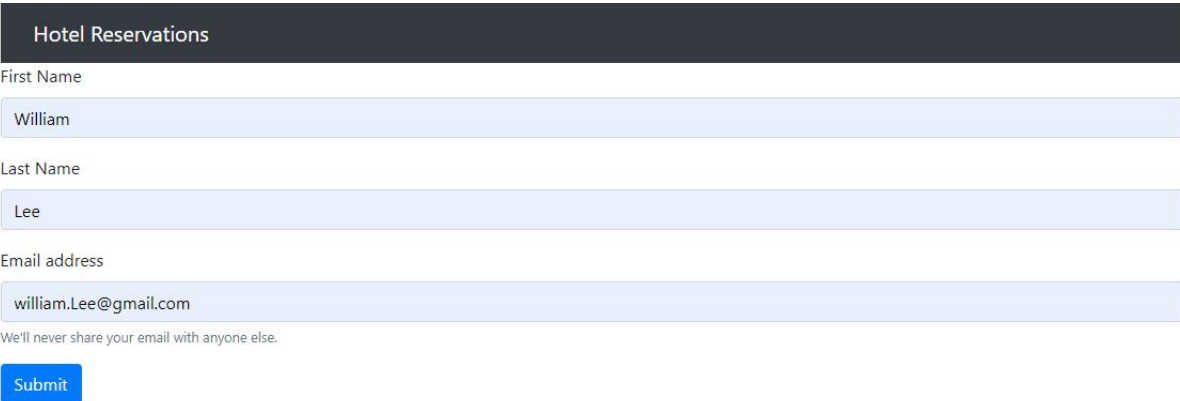
01-Program runtime interface

This is the "Hotel Reservation" homepage. The user can either make a reservation or search an existing reservation. Each page subsequent has the "Hotel Reservations" banner as a link to the homepage.

If the user chooses to make a reservation, this is the page where he/she can enter his/her first name, last name, and email address.

Please select your check-in and check-out dates

Check In

11/29/2020

Check Out

12/03/2020

City

Select city   Monterey

Submit

The user can then select the check-in and check-out dates via dropdown calendar options. He/she can also select from 3 cities from which to seek hotels: Honolulu, Monterey, and San Diego.

Hotel Reservations

Welcome,william lee!

Check-in Date : 11/29/2020   **Check-out Date :** 12/03/2020   **City :** Monterey

Hyatt Regency Monterey Hotel & Spa

1 Old Golf Course Rd, Monterey CA 93940 USA

Book HyettRegency Monterey For Instant Savings! - Book Now. Great Rates in Seconds. Real Guest Reviews. 24/7 Customer Service. Check savings and

The user can select a hotel after selecting the city.

Check-in Date : 11/29/2020   **Check-out Date :** 12/03/2020   **City :** Monterey   **Hotel :** Casa Munras Garden Hotel & Spa

Room Type	Room Price	Room Image	Room Quantity
Standard	126		0
Intermediate	165		0
Luxury	210		0

Casa Munras Garden Hotel & Spa

Make Reservation

After selecting a hotel, the user can now select types and number of rooms per type: Standard, Intermediate or Luxury.

Hotel Reservations	Welcome,william lee!
Reservation ID	27
Name	william lee
Hotel	Casa Munras Garden Hotel & Spa
City	Monterey
Check-In Date	11/29/2020
Check-Out Date	12/03/2020
Number of Standard Room	0
Number of of Intermediate Room	0
Number of of Luxury Room	3
Price of Standard Room	$0
Price of Intermediate Room	$0
Price of Luxury Room	$630
Number of Nights	4
Total Price	$2520

Reservation Confirmation

Search Reservation

Once the user finishes making a reservation, this page serves as a reservation confirmation and online receipt providing a Reservation ID number and other information regarding the reservation. The user can either go back to the homepage via the banner link or click on the button "Search Reservation," which also appears on the homepage.

Hotel Reservations

Search Reservation

william.Lee@gmail.com	Search by email

If the user ever clicks on the "Search Reservation" buttons he/she will land on this page and has the option to find one reservation based on the user's email address.
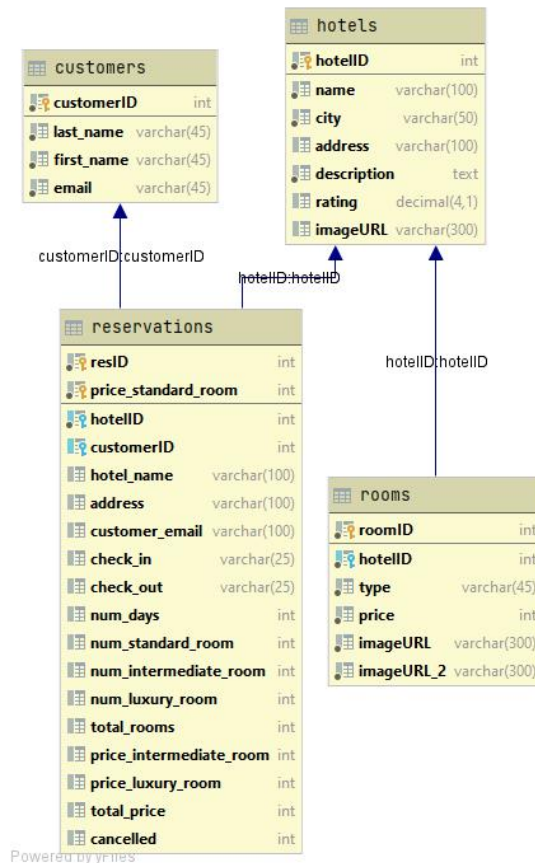
Reservation List

Reservation ID	Hotel Name	Hotel Address	Check In	Check Out	Standard Room	Intermediate Room	Luxury Room	Total Price	Cancelled	Past Date	Options
12	Hyatt Regency Monterey Hotel & Spa	1 Old Golf Course Rd, Monterey CA 93940 USA	11/29/2020	11/30/2020	0	3	0	$642	No	No	Update Cancel
15	Lotus Honolulu at Diamond Head	2885 Kalakaua Ave, Honolulu HI 96815 USA	11/29/2020	11/30/2020	2	0	0	$418	No	No	Update Cancel
16	Lotus Honolulu at Diamond Head	2885 Kalakaua Ave, Honolulu HI 96815 USA	11/29/2020	11/30/2020	2	0	0	$418	No	No	Update Cancel
17	Gaia Hawaii at Trump Waikiki Hotel	223 Saratoga Road, Honolulu HI 96815 USA	11/29/2020	11/30/2020	0	3	0	$2700	No	No	Update Cancel
18	Lotus Honolulu at Diamond Head	2885 Kalakaua Ave, Honolulu HI 96815 USA	11/29/2020	11/30/2020	0	3	0	$837	No	No	Update Cancel
19	Casa Munras Garden Hotel & Spa	700 Munras Ave, Monterey CA 93940 USA	11/29/2020	11/30/2020	0	0	2	$420	No	No	Update Cancel
20	Lotus Honolulu at Diamond Head	2885 Kalakaua Ave, Honolulu HI 96815 USA	11/29/2020	12/03/2020	0	0	3	$3960	No	No	Update Cancel
21	Omni San Diego Hotel	675 L St, San Diego CA 92101 USA	11/29/2020	11/30/2020	1	0	0	$193	No	No	Update Cancel
22	Rancho Bernardo Inn San Diego	17550 Bernardo Oaks Dr, San Diego CA 92128 USA	11/29/2020	11/30/2020	0	2	0	$454	No	No	Update Cancel
23	Rancho Bernardo Inn San Diego	17550 Bernardo Oaks Dr, San Diego CA 92128 USA	11/29/2020	11/30/2020	0	0	3	$960	No	No	Update Cancel
24	Gaia Hawaii at	223 Saratoga Road,	11/29/2020	11/30/2020	0	0	2	$2986	No	No	

Once the user search reservations by email address, this page lets the user view information about the reservations and has the option to either update the reservation or cancel it.

Cancel Complete

If the user chooses to cancel the reservation, he/she is taken to this page, notifying him/her that the reservation was cancelled successfully.

This graph shows the database design.

02 The problem we met

As we are still in China, there are time differences and problems with the internet. The speed of downloading some files is often very slow. The software was not available when configuring the Eclipse environment, which slowed us down even more. In the end we had to use Intellij IDEA to continue with the project.

Thank you very much for your understanding. It was later than expected, but we finally finished the project.

Thank you and all the best to you!