

Report of Architecture and IS Governance

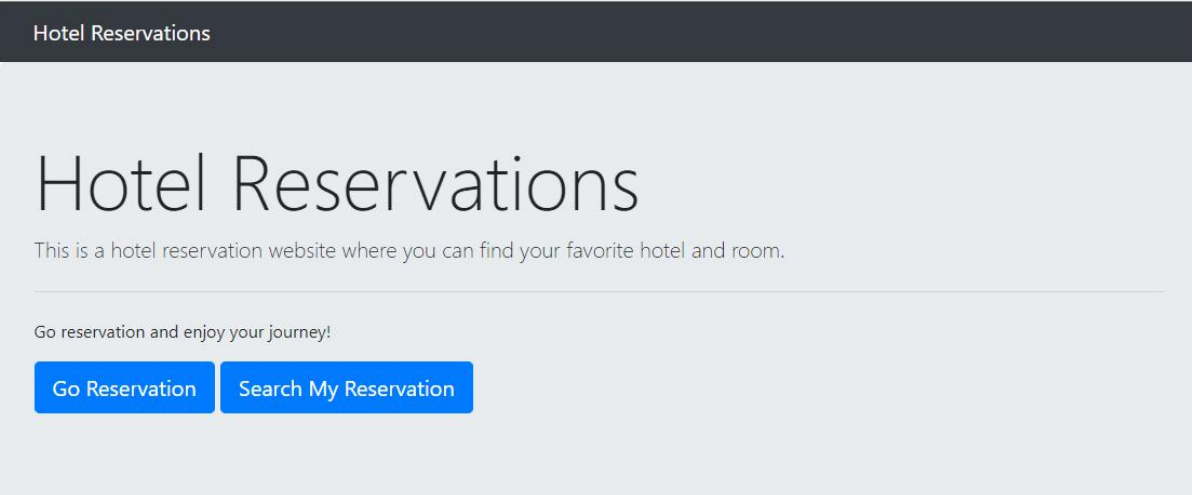
Midterm test:Hotel Reservation

DTCS

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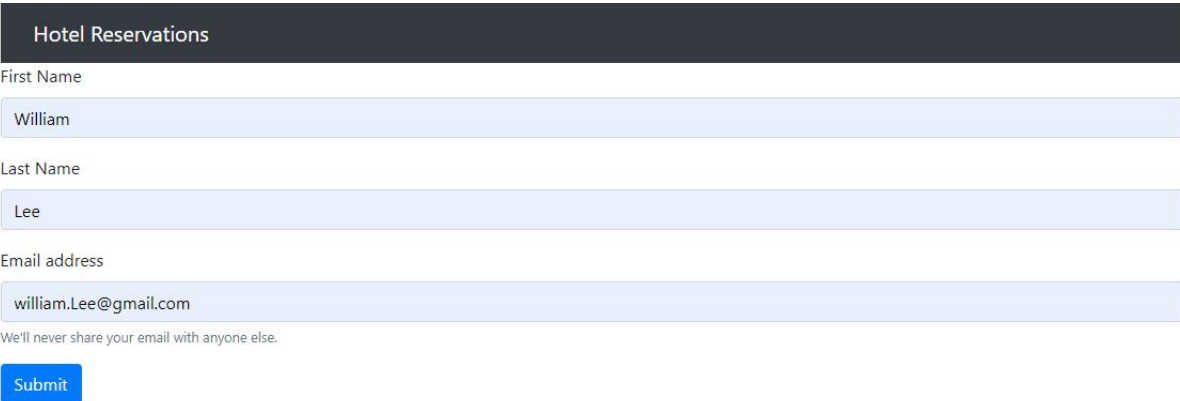


01-Program runtime interface



The screenshot shows the homepage of a web application titled "Hotel Reservations". At the top, there is a dark grey header bar with the text "Hotel Reservations" in white. Below the header, the main content area has a light grey background. It features a large heading "Hotel Reservations" in a dark grey font. Underneath the heading is a subtext: "This is a hotel reservation website where you can find your favorite hotel and room." A horizontal line separates this from the next section, which contains the text "Go reservation and enjoy your journey!". Below this text are two blue buttons with white text: "Go Reservation" and "Search My Reservation".

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.



The screenshot shows a reservation form within the "Hotel Reservations" application. It features a dark grey header bar with the text "Hotel Reservations" in white. Below the header, the form consists of several input fields. The first field is labeled "First Name" and contains the text "William". The second field is labeled "Last Name" and contains the text "Lee". The third field is labeled "Email address" and contains the text "william.Lee@gmail.com". Below the email field is a small line of text: "We'll never share your email with anyone else." At the bottom of the form is a blue button with the text "Submit".

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.

Hotel Reservations

Welcome, william lee!

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 HyattRegency 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.

Hotel Reservations




Welcome,william lee!

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		<input type="text" value="0"/>
Intermediate	165		<input type="text" value="0"/>
Luxury	210		<input type="text" value="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.

Hotel Reservations

Reservation List

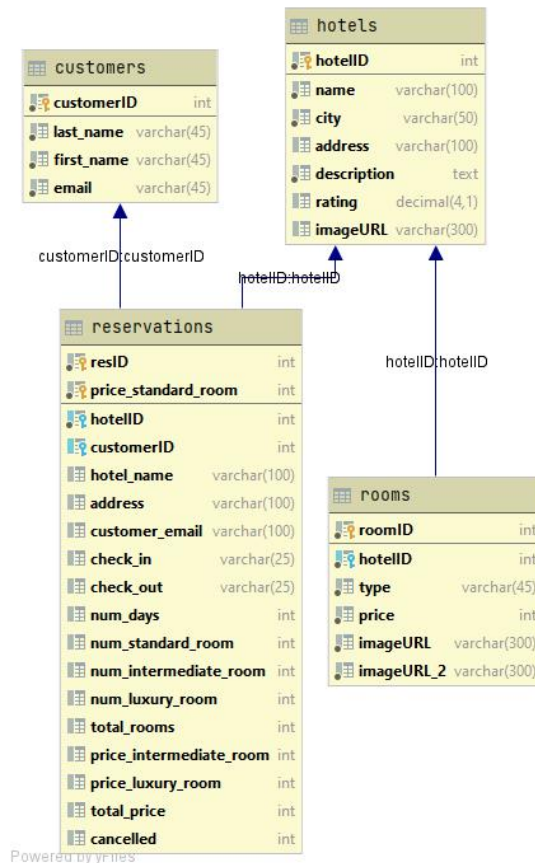
Reservation ID	Hotel Name	Hotel Address	Check In	Check Out	Standard Room	Intermediate Room	Luxury Room	Total Price	Cancelled	Past Date	Options
12	Hyatt Regency Monterey Hotel & Spa	1 Old Golf Course Rd, Monterey CA 93940 USA	11/29/2020	11/30/2020	0	3	0	\$642	No	No	Update Cancel
15	Lotus Honolulu at Diamond 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 Trump Waikiki Hotel	223 Saratoga Road, Honolulu HI 96815 USA	11/29/2020	11/30/2020	0	0	0	\$2005	No	No	Update Cancel

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.

Hotel Reservations

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!