

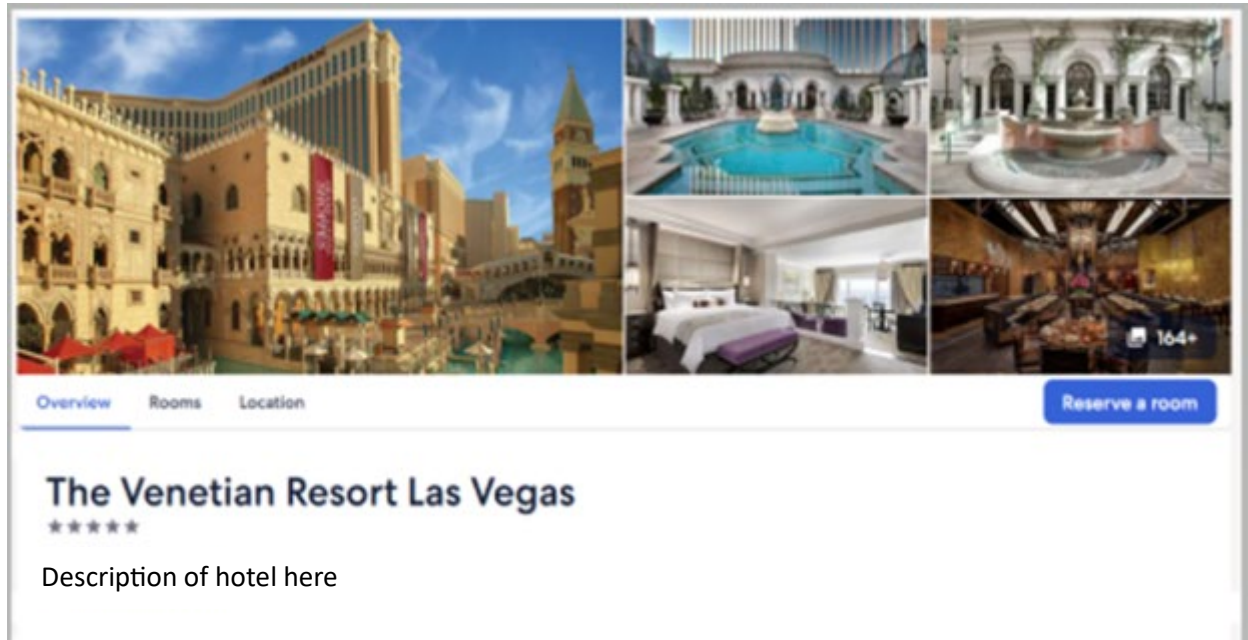
Final Project

ISBA 4750: Web & App Development

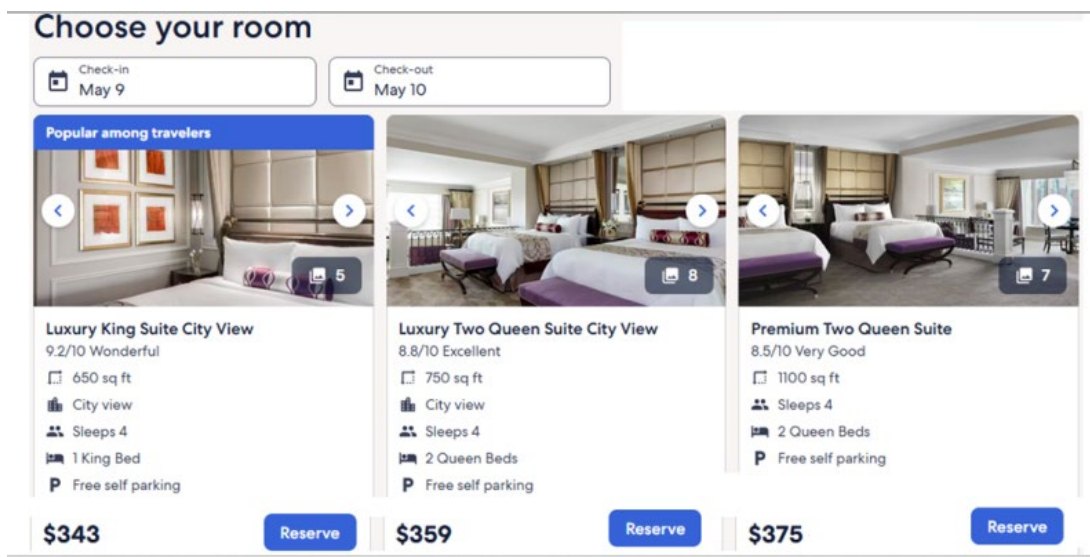
200 points

The project is to create a reservation system for a hotel (such as The Venetian in Las Vegas). See a sample below:

Overview Page:



Rooms page:



Location page:

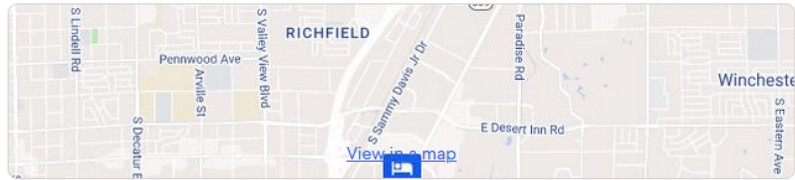
About this area

Las Vegas

Located in Las Vegas Strip neighborhood, The Venetian Resort Las Vegas is connected to a shopping center. Fashion Show Mall and Las Vegas Premium Outlets North are worth checking out if shopping is on the agenda, while those wishing to experience the area's natural beauty can explore Red Rock Canyon National Conservation Area. Looking to enjoy an event or a game? See what's going on at T-Mobile Arena or Thomas and Mack Center. Spend some time exploring the area's activities, including outlet shopping. Guests appreciate the resort's central location.

[Visit our Las Vegas travel guide](#)

[View more Resorts in Las Vegas](#)



What's nearby

The Venetian Casino - 1 min walk
Mirage Volcano - 2 min walk
The Linq - 8 min walk
Bellagio Casino - 17 min walk
The Cosmopolitan Casino - 19 min walk

Restaurants

Grand Lux Cafe - 2 min walk
Smith & Wollensky - 1 min walk
Buddy V's Ristorante - 2 min walk
The Dorsey - 2 min walk
Starbucks - 3 min walk

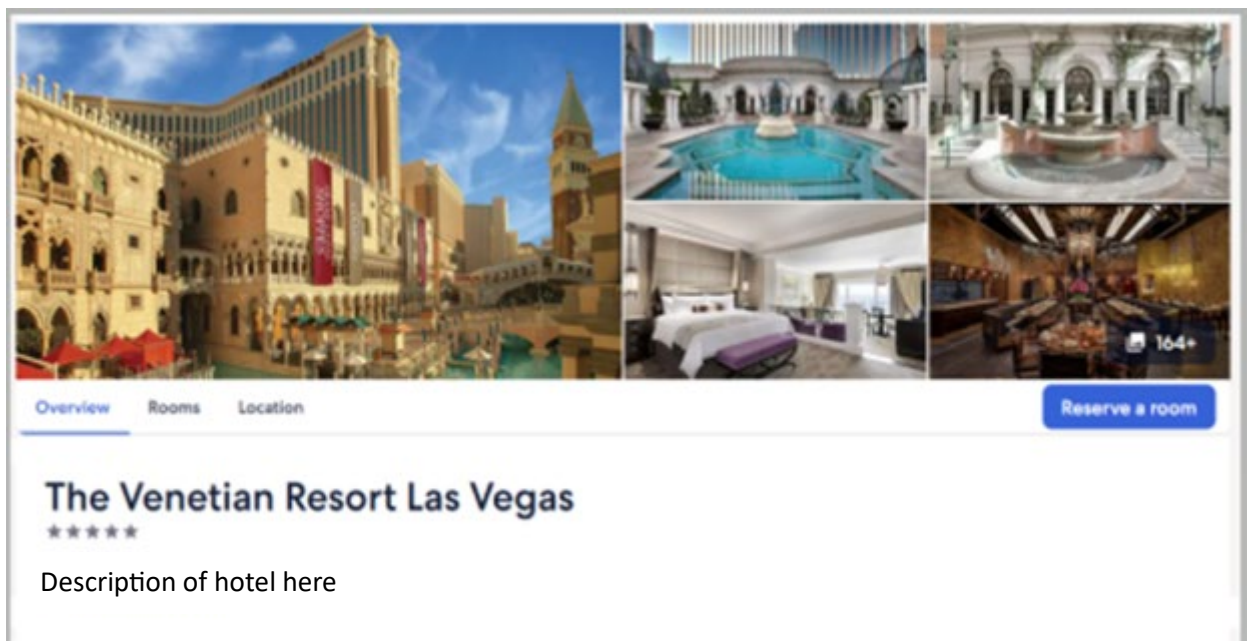
Getting around

Las Vegas International Airport Station - 8 min drive
Harrah's & The LINQ Station - 8 min walk
Harry Reid Intl. Airport (LAS) - 11 min drive

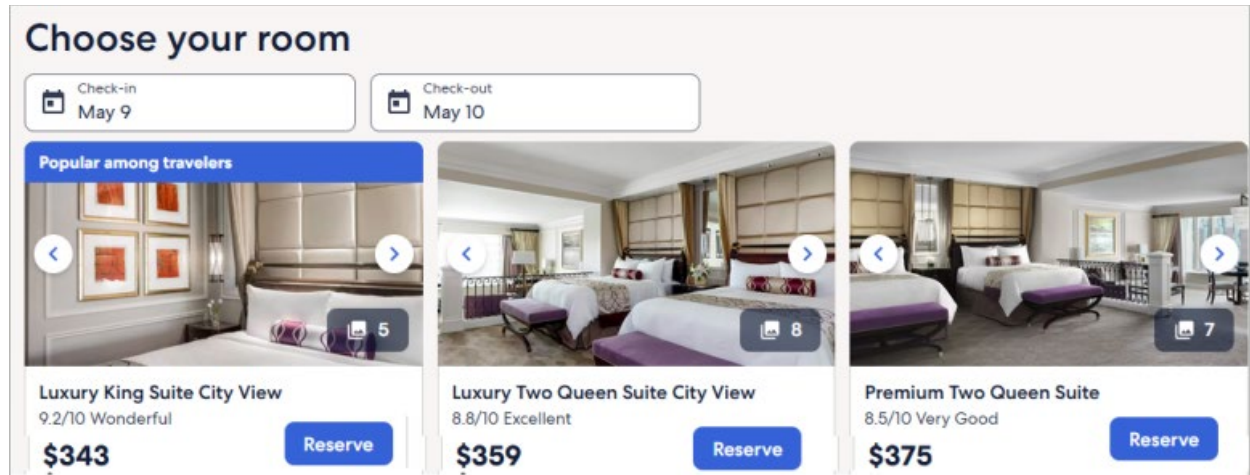
Details of the project

The pages will be rendered with a combination static and dynamic contents. The database structure is given at the end of this document.

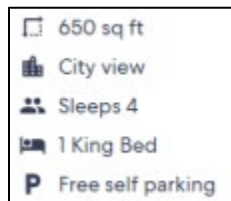
Overview: The Hotel name, stars and description come from the Hotel table. Images are in Images table. The first image should be the large one and the rest will form the collage.



Rooms page: The values of room name, image, rating, price etc should come from Rooms table.



On Hover over the image, show room amenities (use Ajax) from RoomAmenities table



Location page:

It's a page with static information. Download the images and create HTML to look like the example above.

Reservation:

Clicking on Reserve will take the user to a Reservation page. This will be a simple form showing information needed for reservation. You need to send the Room ID to the reservation page.

The reservation data is given in the Reservation table. This includes:

Customer Name, Email, Phone, From date and To Date.

Once the reservation form is posted, you should check if the given date is already reserved for this room. If so, an error message should be returned to the reservation page. If Reservation is successful, a confirmation should be shown.

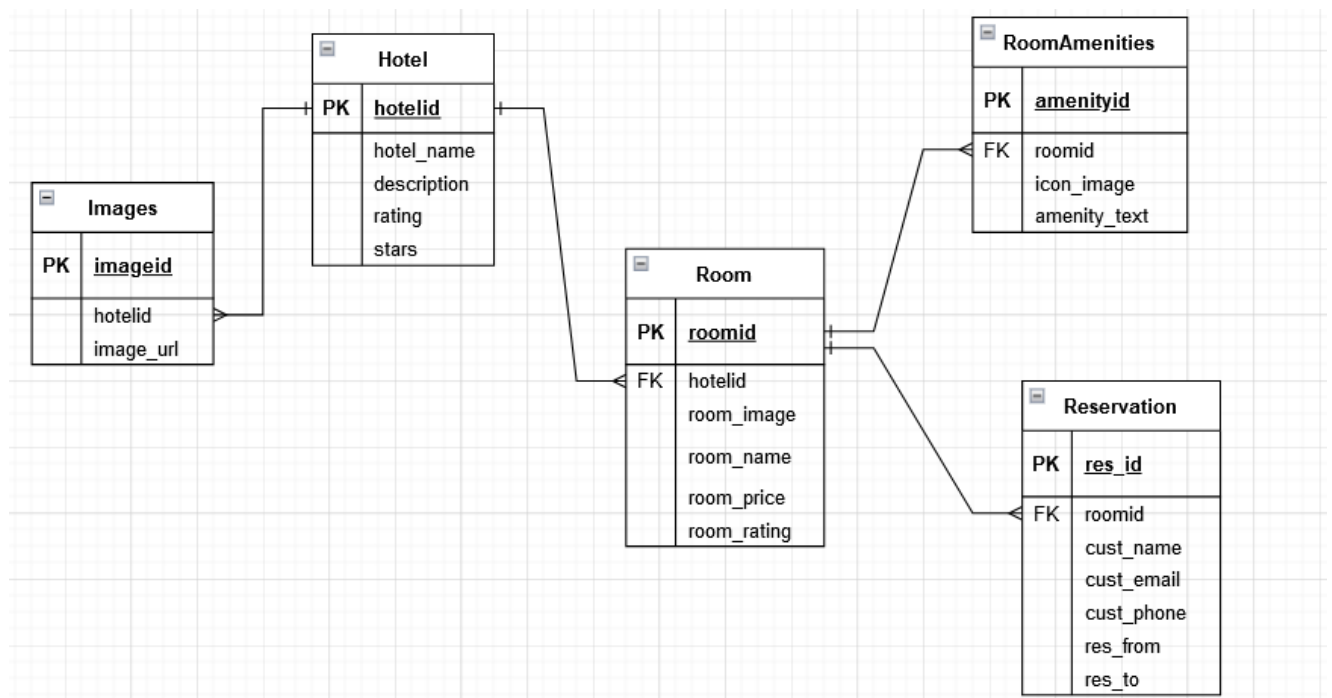
Reservation page should have a link to return to the home page.

Database

Hotel		Room		RoomAmenities	
hotelid	PK Int, Identity	roomid	PK, Int, Identity	amenityid	PK, Int, Identity
hotel_name	Varchar(50)	hotelid	Int, FK	roomid	Int, FK
description	Varchar(100)	Room_image	Varchar(100)	icon_image	Varchar(100)
rating	Varchar(50)	room_name	Varchar(100)	amenity_text	Varchar(50)
stars	Varchar(5)	room_price	Decimal(10,2)		
		room_rating	Varchar(50)		

Images		Reservation	
imageid	PK, Int, Identity	res_id	PK, Int, Identity
hotelid	Int, FK	roomid	Int, FK
image_url	Varchar(100)	cust_name	Varchar(100)
		cust_email	Varchar(100)
		cust_phone	Varchar(100)
		res_from	Date
		res_to	Date

ERD



Notes

The hotel name and main description will be provided to you, along with the images.

The room information, along with image name and amenities icon and descriptions will be provided in Excel.

Images will be given in separate folders (such as icons_image, room_image, hotel_image). You need to put these in proper folder in your application.