Hotel Check-in System

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Description

My Project will be called Hotel Check-in system. This project will help the front desk staff to login onto the web portal and check-in guests, view available rooms, room status, check how many rooms have been sold and at what rate. I intend to use the hotel rates API (if available) that will display rates of hotels in the surrounding area for comparision that will assist staff keep track of their rates too. My app will check-in and check-out a customer and keep track of the room numbers and Date/times the customer checked-in and checked-out.

My entire family is into Hotel business and they are always struggling when they are out of town or have multiple properties. I feel this project will help them monitor their business remotely. Anothe radded advantage is that the data will be stored offsite so incase of hardware failure or power outages no data is lost.



Features

The features I will be using to impletment my project are:

- 1. Guest Management
- 2. Check-in/Check-Out
- 3. Room MAnagement
- 4. Display Rates from surrounding hotels.



Planning - User Stories

As a member of the hotel staff I would like to be able to login into the system and view information as per my responsibilities at work

As a Housekeeping Staff I would want to get an overview of checked-out rooms that require housekeeping services so I can plan my work and update for the front staff to know which rooms are rentable.

As a Maintenance Staff I would like to see an overview of all rooms that require maintenance so I can schedule and prioritize my work

As a Front Desk staff member I would like to get an overview of the rooms and rates available, room status so I can Check-in and check-out guests.



Planning - Database

The Tables that will be required are:

- Users
- Rooms
- CheckInDetails
- Guests

Guests table will have one-to-many relationships with the CheckInDetails table. Rooms table will also have one-to-many relationships with the CheckInDetails table.

Users table will be stand alone.



Technology Stack

- Java
- intelliJ
- MySQL
- SpringBoot



Demo

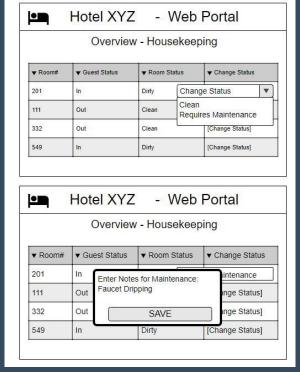


Login

Hotel XYZ - Web Port	al
User Name Password	
Login	



Housekeeping





Maintenance

Overview - Maintenance							
▼ Room#	▼ Guest Status	▼ Room Status	▼ Description	▼ Complete			
281	In	Req. Maintenance	Faucet Dripping				
123	Out	Req. Maintenance	Replace Light Bulbs				
442	Out	Clean	Fix A/C	0			
549	In	Req. Maintenance	Broken Tile				



Front Desk

1	Out		***************************************	***************************************			
					\$125		Change St ▼
1	Out				Clean Requires Maintenance Check-In Check-Out Dirty \$125		
Maintenance	In	07/15/2019	07/17/2019	John Doe			
	Out						
1	Out						
1	Out				\$125	•	[Change]
Maintenance	In	07/15/2019	07/17/2019	John Doe	\$125	\$250.00	[Change]
	Out				\$125	•	[Change]
		Out Out Out Asintenance In	Out	Out Out Out Out Out O7/15/2019 07/17/2019	Out Out Out Out Out Online Onl	Out Out S125 Or/17/2019 John Doe S125 Maintenance In O7/15/2019 O7/17/2019 John Doe S125	Out Check-Out Dirty Out \$125 • Out \$125 • Maintenance In 07/15/2019 07/17/2019 John Doe \$125 \$250.00



What I Learned

- Learned more about Java
- Learned MVC framework
- Learned more about MySQL



What's Next

- Enhanced UI using BootStrap
- Replace SQL queries with stored procedures

