

# Hotel Check-in System

Priya Jariwala  
@Priyaj2776 on GitHub

# 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 comparison 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. Another added advantage is that the data will be stored offsite so in case of hardware failure or power outages no data is lost.



# Features

The features I will be using to implement 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 Portal

Login






# Housekeeping

 Hotel XYZ - Web Portal

Overview - Housekeeping

▼ Room#	▼ Guest Status	▼ Room Status	▼ Change Status
201	In	Dirty	<div>Change Status ▼</div>
111	Out	Clean	<div>Clean Requires Maintenance</div>
332	Out	Clean	[Change Status]
549	In	Dirty	[Change Status]

 Hotel XYZ - Web Portal

Overview - Housekeeping

▼ Room#	▼ Guest Status	▼ Room Status	▼ Change Status
201	In		Maintenance
111	Out		[Change Status]
332	Out		[Change Status]
549	In	Dirty	[Change Status]

Enter Notes for Maintenance:  
Faucet Dripping

SAVE



# Maintenance



Hotel XYZ - Web Portal

## Overview - Maintenance

▼ Room#	▼ Guest Status	▼ Room Status	▼ Description	▼ Complete
281	In	Req. Maintenance	Faucet Dripping	<input type="checkbox"/>
123	Out	Req. Maintenance	Replace Light Bulbs	<input type="checkbox"/>
442	Out	Clean	Fix A/C	<input checked="" type="checkbox"/>
549	In	Req. Maintenance	Broken Tile	<input type="checkbox"/>



# Front Desk



## Hotel XYZ - Web Portal

### Overview - Front Desk

▼ Room#	▼ Room Status	▼ Guest Status	▼ Check-In	▼ Check-Out	▼ Name	▼ Rate	▼ Total	▼ Change Status
281	Clean	Out				\$125	*	Change St▼
123	Clean	Out						
442	Req Maintenance	In	07/15/2019	07/17/2019	John Doe			
549	Dirty	Out						
281	Clean	Out				\$125	*	[Change]
123	Clean	Out				\$125	*	[Change]
442	Req Maintenance	In	07/15/2019	07/17/2019	John Doe	\$125	\$250.00	[Change]
549	Dirty	Out				\$125	*	[Change]

Clean  
Requires Maintenance  
Check-In  
Check-Out  
Dirty



# 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

