



Online Hotel Booking

Escape the queues.



Project overview

The app is built for J&T&D Hotel chains to enable their loyal customers to book rooms online

Self serve option for customers to check out, cancel reservation and reserve table in hotel restaurant.

Ability for the customers to search for activities near the hotel

An admin function for the contact center staff to login and view available rooms in real-time, book new rooms and cancel reservation

An Admin function to check the guest in and check them out

And last but not the least -- an Admin function to see all the available tables in the restaurant and book them for guests

Concept

- User friendly app with a responsive UI
- Motivation:
 - Self serve to avoid lengthy concierge queues!
 - Real-time info on availability of hotel resources for guests and admin staff
 - Efficient and scalable operating model for the Hotel

User story



As a loyal customer of J&T&Ds I can:

- Book the room of my choice
- Book a table in the restaurant,
- Check out of room &
- Cancel reservation

As a staff in concierge or an attendant in contact center, I can:

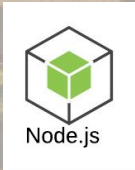
- Do all the above +
- Check in the guest
- View available rooms
- View all the guest list
- View available tables in restaurant

Technologies used



- HTML/CSS/Javascript/jQuery
- Node JS
- MySQL database

Node packages:



- Express, express handlebars, axios, bcrypt, mysql, sequelize, yelp, yelp fusion.

Development utilities:

- Chai, chai-http, eslint, mocha, prettier

Breakdown of tasks and roles

- Used Kanban board, plenty of zoom sessions and actively communicated on whatsapp.
- We took agile lessons from John who was our scrum master
- Initially divided work into three broad technical categories namely Models, Controllers and Handlebars.
- Did a lot of pair programming on Zoom sessions to fix various bugs and issues as they cropped up.
- Did plenty of research on what apps can serve us best as a boilerplate code base for future app development
- Q and A for the app.

Challenges and success



Challenges

- After a slow start, we eventually got the hang of creating pull request and merging code back into main branch.
- To improve our efficiency, we relied on pair programming.
- Dan had missed a few sessions but once he joined in, he became our rock star UI developer.

Successes

- Worked fantastically as a team - all pitched in
- Did extensive code testing to ensure all our features worked.
- We paid a lot of attention on UX for our UI design

Demo

Directions for Future Development

- Adding Open maps APi to get maps for the searches
- Adding customer feedback function
- Adding an open forums using Vanilla Api, for example.
- Adding a financial module for payments and invoicing and accounting
- A Suggestion section for guests. (different than feedback)
- Adding a Restaurant POS module for selling food and beverages
- Module for electronic door key creation /reset
- Adding a module for direct mailing and /or sms from the front end.

Links

- Github repo: <https://github.com/johnnyboysydney/JnTnD-BnB>
- Deployed website: <https://peaceful-plains-43046.herokuapp.com/>
- <https://github.com/johnnyboysydney/JnTnD-BnB/wiki>