


# Hotel Room Reservation System



## HubTech Solutions

Adan Delgado  
Ghaith Ishaq  
Agustin Sandoval  
Rymma Won



# Project Overview

A comprehensive system for online hotel room reservation, allowing users to browse, book, and manage reservations with ease. Features include booking management, transaction reports, room management, and more, all optimized for mobile and web.



# Key Architectural Drivers

Requirements driving the architecture include scalability, security, usability on mobile and web platforms, and integration capabilities for payment processing and administrative functions.

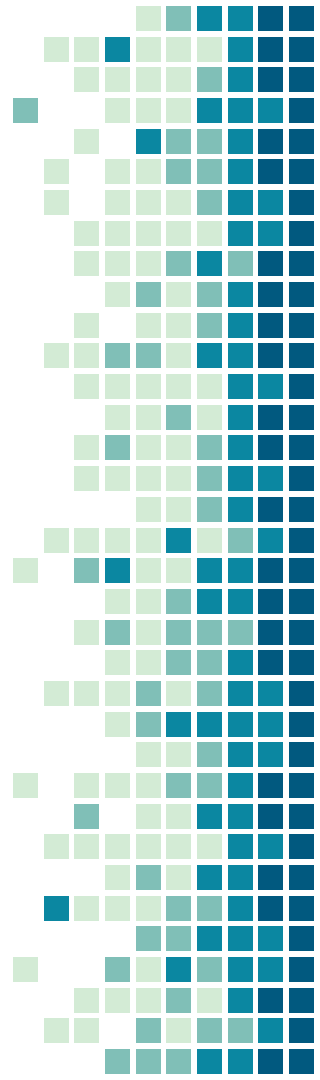


# Architectural Style Choices

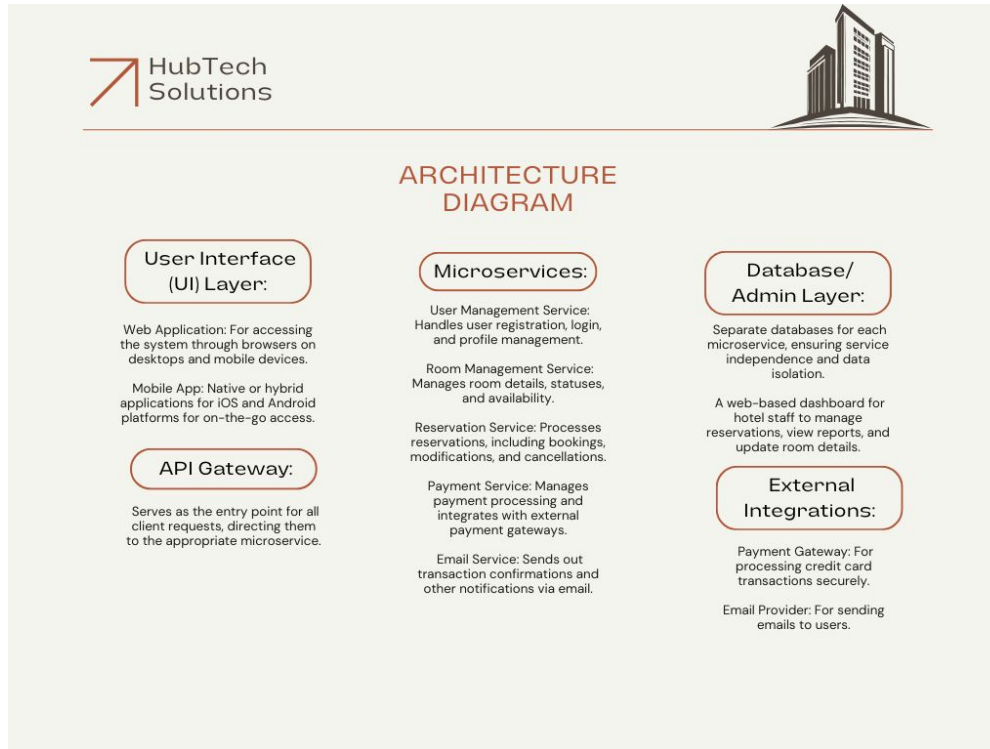
Evaluated styles:

- Microservices for flexibility and scalability.
- Monolithic for simplicity and development speed.

Chosen style: Microservices, due to the need for scalability and the ease of integrating various services.



# Architecture Diagram Overview:





# Conclusion

Our system utilizes a Microservices architecture to ensure scalability and flexibility.

Key issues include ensuring data security, integrating payment services, and managing service communication.

