Chapter	Description
Preface	Restaurant reservation systems help manage the constant influx of reservations and customers – allowing the customers to book their tables remotely so managers can schedule resources according to the number of bookings. Customers also want a more convenient dining experience, and restaurants want to deliver the same to boost their business. A powerful table booking system for restaurants can help them do just that.
Introduction	Up until a few years ago, restaurant reservations were made via phone calls – the wait staff would pencil in the name, time and date on their schedules to book the table. It resulted in the loss of the staff member's precious time, which they could have utilized in cleaning tables or serving the customers. The advent of online systems has revolutionized the landscape of table management, streamlining the entire process and making it more efficient for all stakeholders. The online reservation gives complete freedom to the consumers to make a booking without any interaction, and give restaurant opportunity for effective table management. Furthermore, online reservations decrease the standing time thanks to waitlist management features.
Glossary	
User requirements definition	User functions: _User general function: • Register (except Administrator) • Login/Logout • Edit information _Customer: • View homepage • View restaurant detail • View restaurant comparation (price, rating) • Searching • Checkout/Booking • Chat with suppliers • Choose a sitting position in a restaurant _Restaurant Manager: • Add restaurant • Delete own restaurant • Edit own restaurant • Manage restaurant (inspect statistic, report and revenue) • Design and apply table placement map • Manage voucher of restaurant _Administrator: • Modify customer and restaurant manager • Delete customer and restaurant manager • Manage website (monitor sales and number of users)

	- Manage feedback from users
System architecture	- Customers reserve the table through the app or web; they can even scan QR code to reserve the table of their choice at the restaurant - Customer order food after exploring category and subcategory on the table booking system - Restaurants get notified about the reserved table along with complete details of the order they want to enjoy - The food gets prepared by the restaurant and served to customers at their place - Customers make payment and shares ratings as per their experiences
System requirements specification	**Environment:** The system operates on Website, customers and managers can access though provided accounts. **Decentralization:** - Role management: - Administrator: allowed all roles. - Restaurant manager allowed search product, add product, edit product, delete product, make statistics, read statistics, manage money. - Customer allowed view, search, rating and book restaurant.
System models	Customer App Workflow +Book table and order food with a simple tap on customers app Store App Workflow +Check table availability and reservation details as per different date & time User Panel Workflow +Allow customers to explore reservation details and menu to order an item via web Store Panel Workflow +Dynamic store panel to explore every activity and control them accurately
System evolution	The system can specifically be upgraded for restaurant managers to literally add a table map to restaurant details and customers can kind of select restaurant seats, which definitely is fairly significant. The system can generally be upgraded for the restaurant to for the most part update crowded hours or with discounts for customers who can flexibly book a table in a kind of big way
Appendices	Database: MySQL IDE: VS Code With web Backend: nodejs. With mobile devices: React Native + With IOS, it suggested that user should use IOS version which larger than 8.2 + With Android, it suggest that user should use Android version which larger than 7.0 (Nougat)
Index	Restaurant Location Time Voucher