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| **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 |  |
| 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. * Salesclerks: allowed search good, edit product (inventory). * Sales manager: allowed search good, edit product (price), make statistics. * Supermarket director: allowed read statistics, manage money. |
| System models |  |
| System evolution |  |
| Appendices | Database: MySQL  IDE: VS Code |
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