STUDENT LIST

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Link github: https://github.com/DevLeeHuy/FinalProjectOOSD

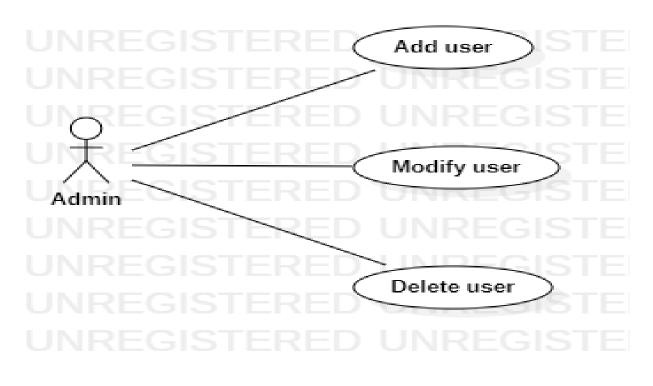
BUIDING ONLINE TABLE RESERVATION WEBSITE

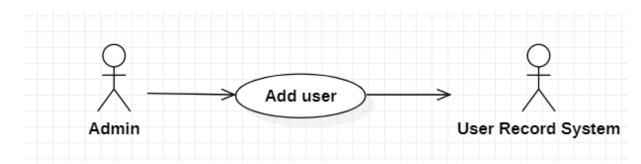
CHAPTER 1: LIST REQUIREMENT

Num	Requirement	Explain in details
1	Giao diện	Dễ nhìn, bắt mắt, than thiện với người dùng
2	Áp dụng voucher	Khách hang sẽ được sử dụng các voucher và tặng voucher cho ngày sinh nhật, dịp lễ,
3	Đăng nhập	Đễ dễ dàng quản lý và lưu trữ thông tin khách hàng.
4	Tích điểm	Tích điểm để phân hạng khách hang với các chính sách ưu tiên khác nhau. Vd như 2 khách hang lựa chọn chỗ đó cùng 1 lúc thì ưu tiên người có hạng cao hơn, đồng thời đề xuất thêm nhiều option khác cho khách hàng còn lại.
5	Cập nhập thông tin liên tục	Cập nhập các thông tin về mọi mặt liên tục. vd hết bàn, có khuyến mãi hot, giờ đóng cửa,
6	Đề xuất những địa điểm hot	Ưu tiên đề xuất những nơi có lượt rate cao và đang được yêu thích, thu hút nhiều khách cùng với các discount đến từ những nơi đó.
7	Địa điểm	Đề xuất những nơi hot gần người dùng và khuyến mãi.
8	Đánh giá và bình luận	Người dùng được quyền đánh giá và bình luận vào .
9	Phân lọai nhóm thức ăn	Cho người dùng chọn loại mà họ muốn dùng, sau đó sẽ đề xuất ra các nhà hang phục vụ.
10	Lựa chọn thương hiệu, nhà hàng	Thông qua đánh từ giá khách hàng mà đề xuất.
11	Hiện giá của món ăn nhà hàng	
12	Blogs/ Các bài viết hay về món ăn, nhà hang, địa diễm hot	
13	Voucher	Voucher sẽ cập nhập liên tục và các voucher có thời hạn
14	Mail	Người dùng sau khi xác nhận sẽ nhận được mã riêng để xác nhận danh tính, khi đến nơi vui long đưa cho nhân viên để dẽ quãn ly

CHAPTER 2: DESIGN USECASE DIAGRAMS

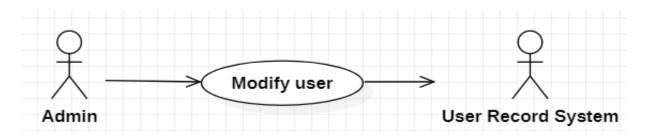
I. Admin usecase diagrams



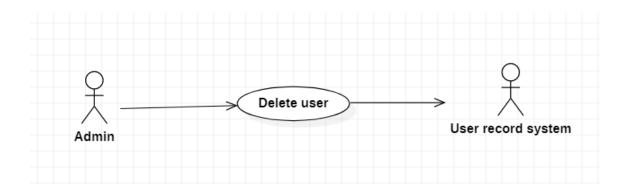


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Description	Admin send the new user object to the user record system with the command that insert a new user into the database.
Data	Id, username, password, phone, address,
Stimulus	Interface that include new user information form and add button
Response	Message that: insert successful or fail (kind of error)
Comments	

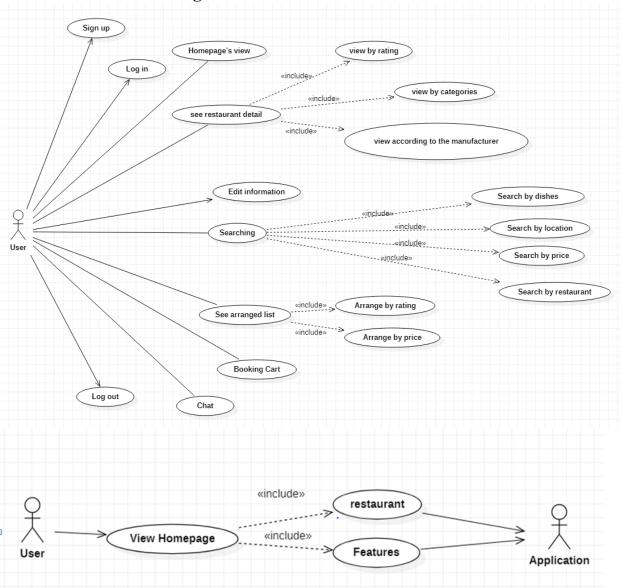


Modify User	
Actors	Admin, User Record System.
Description	Admin send the updated user to the user record system with the command that update this user with new information from database .
Data	Id, user name, phone, address,
Stimulus	Interface that including user information and modify button.
Response	Message that: Update successful or fail(kind of error).
Comments	Admin must have permission to delete user.



Delete user	
Actors	Admin, user record system
Description	Admin send the user name to the user record system with the command that delete this user from the database.
Data	Id, username, password, phone,
Stimulus	Interface that include new user information form and delete button
Response	Message that: confirm delete and delete successful or fail (kind of error)
Comments	The receptionist must have appropriate security permissions to access the patient information and the PRS

II. User usecase diagrams

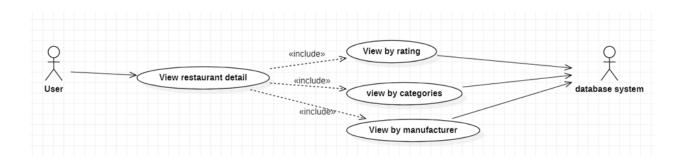


View homepage	
Actors	User
Description	Send request to application to view home page with item element and features.
Data	
Stimulus	Interface that include feature columns, list items, search bar, categories and about us section.

Response	Message that: home page
Comments	

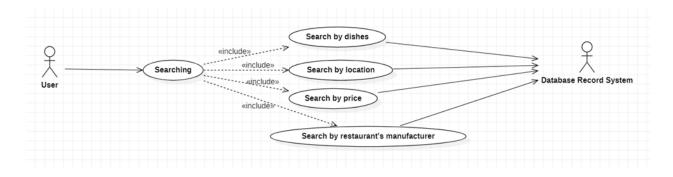


Comparation	
Actors	User, database system
Description	Send request to database to arrange items by rating or price.
Data	
Stimulus	Interface that include arrange by price and rating button.
Response	List arranged items
Comments	

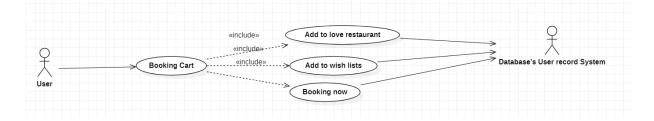


Actors User, database system

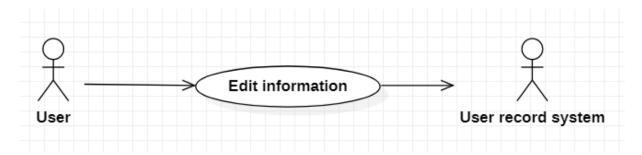
Description	Send request to application to view item detail about restaurant, rating, price, images and description.
Data	Id of restaurant.
Stimulus	Interface that include images of restaurant, price, favourite, booking and add to booking cart button.
Response	Message that: restaurant detail page
Comments	



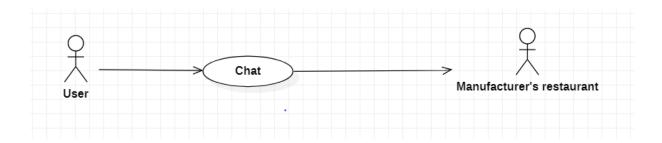
Searching	
Actors	User, database system
Description	Send keyword about item looking for to database system with command find item related.
Data	String Keyword
Stimulus	Interface that include search text box and button.
Response	Items relate the keyword(price, restaurant name, location)
Comments	



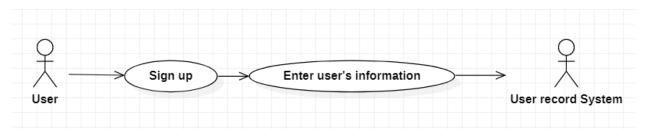
Booking cart	
Actors	User, database system
Description	Send request to application to view cart detail to checkout.
Data	User id
Stimulus	Interface that include list chosen items, quantity, total cost and add to wish list and checkout button.
Response	List chosen items
Comments	Must sign in to get booking cart



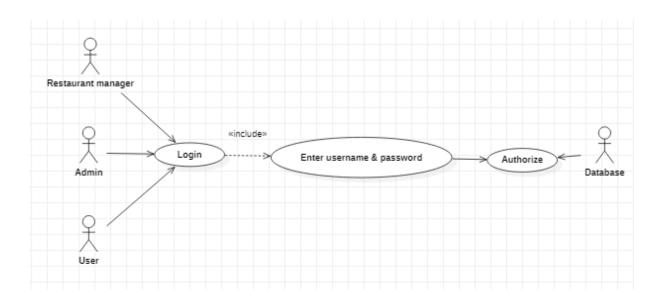
Edit information	
Actors	User, user record system
Description	Send new information to database with command that update user.
Data	Information of user (Id, name, password, address, phone)
Stimulus	Interface that include information form with Update button.
Response	Message that: update successful or fail (kind of error)
Comments	Must sign in to change the information.



Chat	
Actors	User, manufacturer's restaurant
Description	Form to chat customer and restaurant.
Data	Id and username of user and id of manufacturer's restaurant.
Stimulus	Interface that include message box and send button.
Response	
Comments	Must sign in.

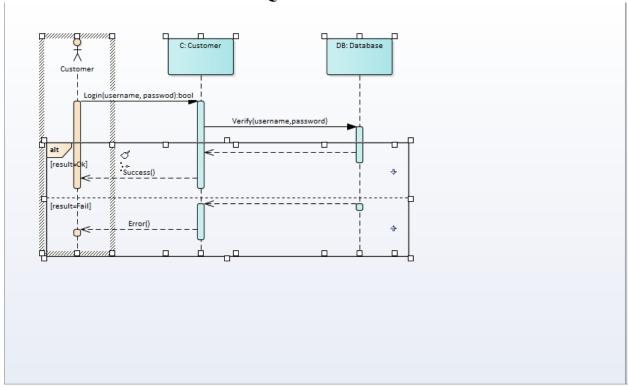


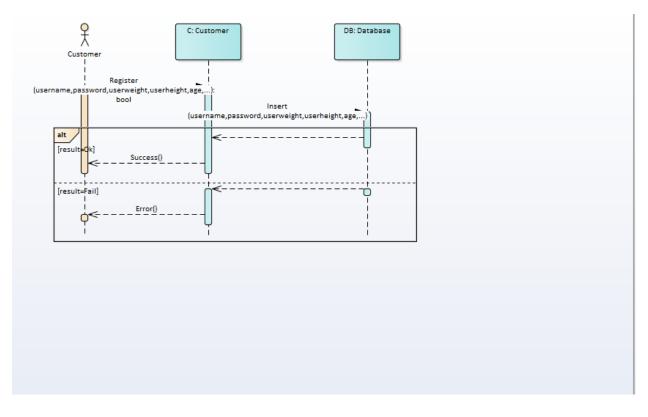
Sign up	
Actors	User, user record system
Description	User send user's information such as username, password, profile, to the user record system with the command that insert this user to the database
Data	Id, username, password, phone, avatar, address,
Stimulus	Interface that include create new user information form; sign up button and cancel button
Response	Message that: confirm create successful or fail (kind of error)

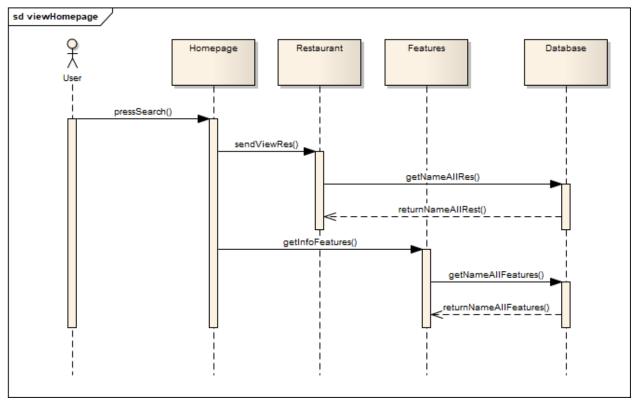


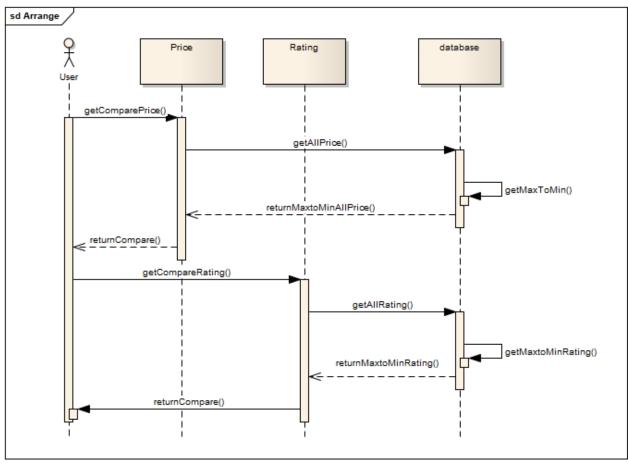
Login	
Actors	Admin, Restaurant manager, User
Description	Both actors send login request and enter username and password to the database with command authorize that Is this account exist?.
Data	User name & password
Stimulus	Interface that include login form and submit button
Response	Message that: login successful or fail (wrong username or password)
Comments	Each actor have different account types.

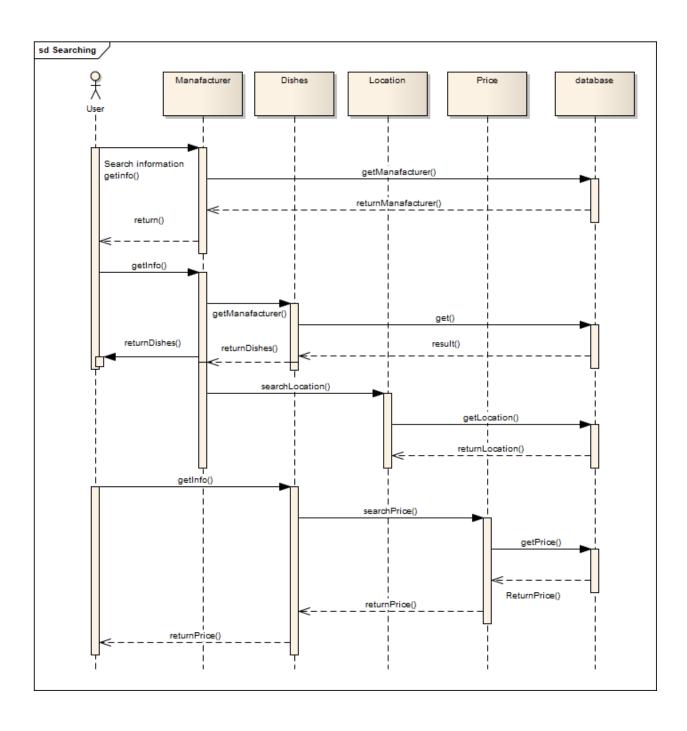
CHAPTER 3: DESIGN SEQUENCE DIAGRAMS

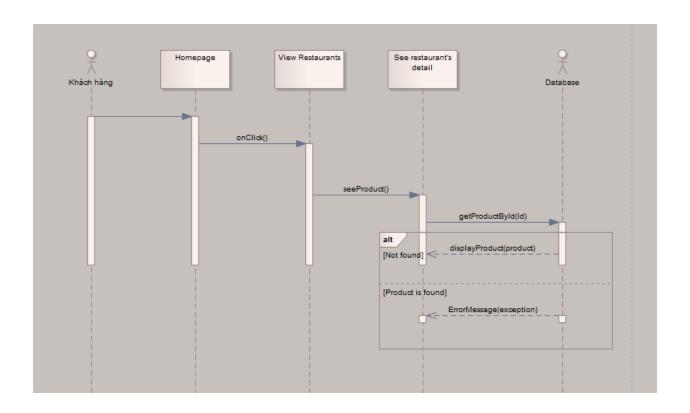


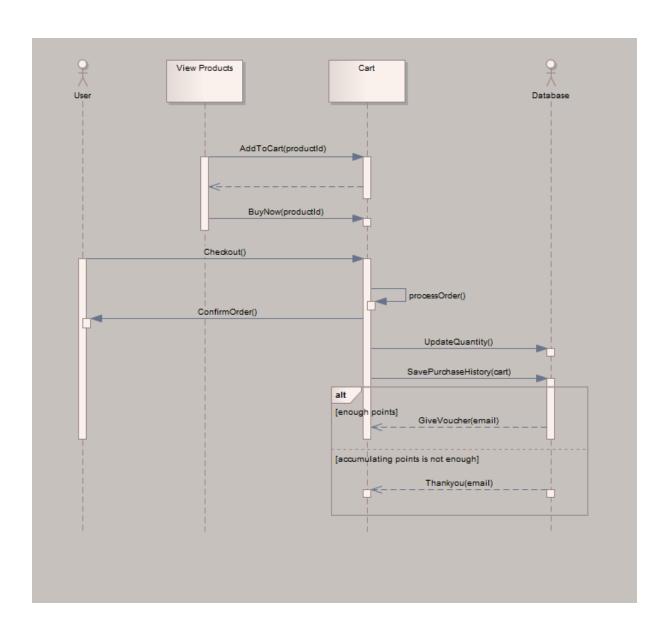


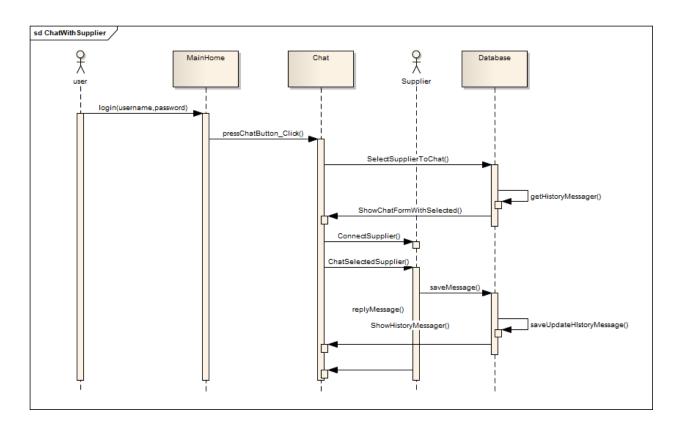


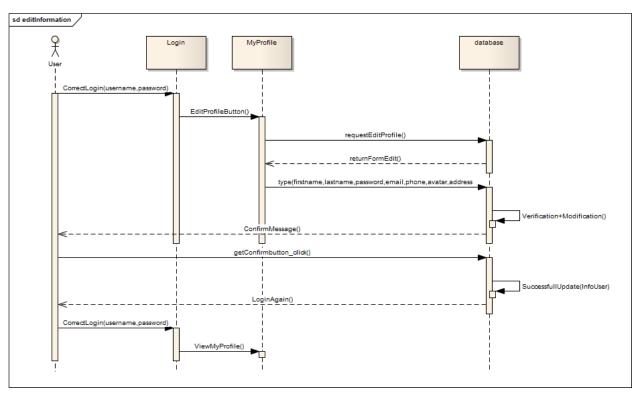




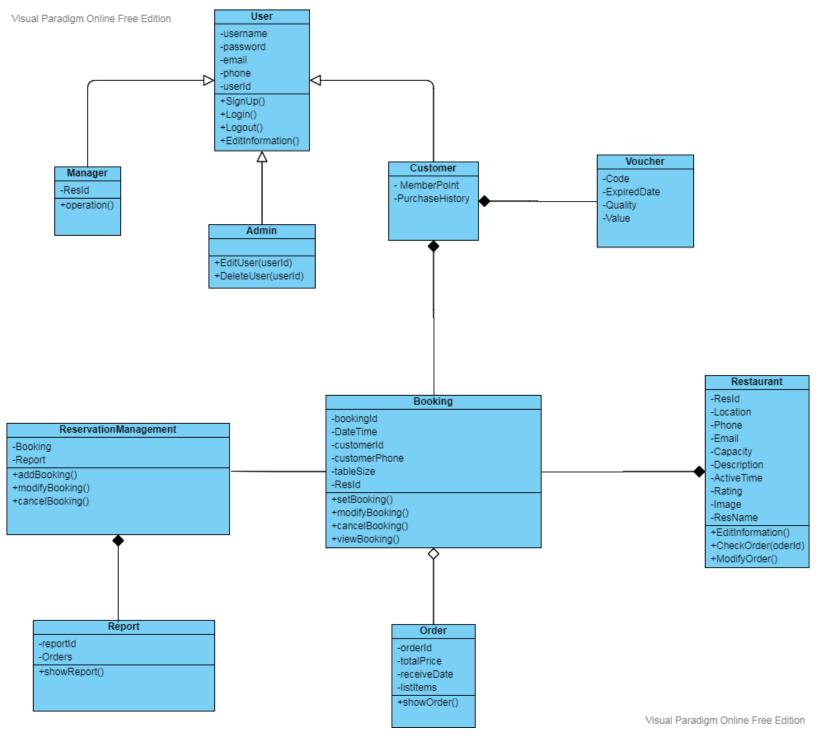








CHAPTER 4: DESIGN CLASS DIAGRAM



CHAPTER 5: USER REQUIREMENT AND DESIGN SUMMARY

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

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