

Table	
<ul style="list-style-type: none">• track table id, table seats number, table status ("busy" or "ready"), table current customer	<ul style="list-style-type: none">• Table Queue

Table Queue	
<ul style="list-style-type: none">• Track all the tables: status ("Busy" or "Ready"), table number, customer reservation number, number of seats• Send the information of the table to Table Manager if a table becomes "Ready"• Accommodate customers if receive confirm from Table Manager	<ul style="list-style-type: none">• Table Manager

Table Manager	
<ul style="list-style-type: none">• Get the available table number and the maximum seats of the table when a table in table queue becomes "Ready"• Send the information of open table to Reservation Manager• Get "Confirm" information from Reservation Manager and set the status of active table from "Ready" to "Busy"	<ul style="list-style-type: none">• Table Queue• Reservation Manager

Reservation

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| <ul style="list-style-type: none">• Track Customer Name, Phone Number, # of people in the group | <ul style="list-style-type: none">• Reservation Manager• Reservation Queue |
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Reservation Queue

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| <ul style="list-style-type: none">• Get the first qualified reservation in the queue if Reservation Manager requests• Add a new reservation at the end of the queue if Reservation Manager creates a new reservation• Remove a reservation if the Reservation Manager sends out a remove request | <ul style="list-style-type: none">• Reservation• Reservation Manager |
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Reservation Manager

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| <ul style="list-style-type: none">• Create a new reservation and send the request to Reservation Queue• Remove a reservation from Reservation Queue if customers reply "Leave"• If Table Manager sends out a Ready table, match the first reservation which meets the seat number qualification and send messages to a customer• Send reservation number and customer numbers to Table Manager if customer CONFIRMS the table. | <ul style="list-style-type: none">• Table Manager• Reservation Queue |
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