

Classname : Customer	
Responsibilities Give a customer's information to Front Desk Receptionist, Get status through the Cell Phone. Send decision through the Cell Phone.	Collaborators  Front Desk Receptionist, Cell Phone

Classname : Front Desk Receptionist	
Responsibilities Add customer's information to POS Machine. Request table setting to Server Conduct Customers to table.	Collaborators  Customer, Server, POS Machine.

Classname : Server	
Responsibilities Check the table status Send table status to Front Desk Receptionist	Collaborators  Front Desk Receptionist, Table

Classname : Table	
Responsibilities Change status	Collaborators  Server

Classname : Cellphone	
Responsibilities Give a table status to the Customer. Reply SMS to POS Machine.	Collaborators  Customer, POS Machine.

Classname : POS Machine	
Responsibilities  Get Customer's information from the Front Desk Receptionist. Send Message to Cell Phone	Collaborators  Front Desk Receptionist, Cellphone of Customers.

- Observer Pattern

Counter staff is the Observer and the Hall staff is the Subject.

When table status changed, the hall staff let the counter staff know status of each table.

- State Pattern

When table status changed, the hall staff give a status of the table to the counter staff.

Also, counter staff send a message to the customer through the POS machine according to table status.