# System Design

## Methodology

A body of [methods](https://www.merriam-webster.com/dictionary/methods), rules, and [postulates](https://www.merriam-webster.com/dictionary/postulate#h2) employed by a discipline **:**a particular procedure or set of procedures, with these procedures play a immense role in the development of the system. (Samples, n.d.).

## Analysis of a traditional e-catering system.

When we handle e-catering system, the customer doesn’t have a proper idea about the items that are there in the menu. The information that normal e-catering system provide could miscommunicate about the types of food and also the prices, most food and beverage systems do not share information with their customers which would create confusion and give false regards. The chance of losing and making miscalculations in these proposed systems are high.

## Design for proposed system

These e-catering system that is to be developed will follow these requirements:

1. Making online orders – This system will show the menu, which will show the menu items listed, they can select any of the item from the menu and create special combinations for their liking. This will customer satisfaction as they can create their own combos.
2. Managing manger and staff - the system authorizes the staff members to create accounts using personal details to register themselves.
3. Cancellation of orders – This allows customers to delete orders before confirming the needed details for their order.
4. Updating order – If there are any offers that the catering system is going to offer, functions will be added to make it available to customers.
5. The payment – The payment is divided into 2 parts, in the first part there needs to be down payment made using online to confirm the order, then the rest of the payment is made physically to the deliverer once the customer receives the ordered package.
6. Generating daily reports – a report will get generated with all the information and incomes made from the services provided daily.
7. Generated message sent to customer – A message/receipt is given to the customer after the order is delivered.

Users and their CharacteristicsSystem:• Update available new items• Delete items• Generating daily and monthly income report• Add item in to the systemManager and staff:• Login / Logout into system• Updating information of items to the database• Maintain personal information of customer• Confirms orders• Giving information of facilities available items• Maintain personal information of Deliver • Create the customer payment detailsCustomer:• Login / Logout into system• Visiting e-catering system

• Search menus

• Order Items

• Making payment

• Cancel book