# Obstacles faced with e-catering

1. By the time the customer receives the meal, it may have become cold.
2. The pictures in the app or on the website may appear to be delicious and enormous, but they are not.
3. Only when the user's device has access to the internet, he can use it.
4. Customer's preferences cannot be adjusted in the food recipe.
5. Customers may be concerned about the payment process's security.
6. When customers cancel their food orders, the restaurant may suffer a loss on the work they did.

# Potential benefits from proposed system

1. One of the most significant advantages of e-catering is the time savings.
2. Increased revenue for e e-catering service providers, as customers find this approach to be more convenient.
3. 24 hours a day, 7 days a week operation.
4. Can sample a wide range of foods.
5. Customers can also know about current food trends.
6. Customers can also read other people's reviews.

# System requirement

For designing Class Diagrams and other diagrams, we utilized ArgoUML, a free and open-source UML (Unified Modelling Language) Diagramming Application whose platform is supported by Java SE. We also utilized Draw.io, a free and open-source Use Case Tool, to create Sequence and Collaboration Diagrams, among other things.

# Sequence Diagram

Timeline

Description automatically generated

# Online Payment – done

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| --- | --- | --- |
| Use case No. | Uc-08 | |
| Use case name | Payment from customer. | |
| Priority | High | |
| Actor | Customers | |
| Description | This use case allows the users/customer to pay through online. | |
| Pre-condition | Uc-06, Uc-07, Uc-05 | |
| Post-condition | User has successfully paid for the item online. | |
| The fundamental course of action. | User Action | System Responses |
| 1. User is on payment details page. 2. User enters payment details.   5.User confirms payment details.  7.customer hands over cash to person making delivery. | 3.system validates user information details.  4.system asks user to confirm.  6.System proceeds to make the online payment successfully.  7.use case exit. |
| The alternative course of action. | If in 3. Details are not validated the payment doesn’t proceed. | |

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| --- | --- | --- |
| Use case No. | Uc-08 | |
| Use case name | Supplier Payment | |
| Priority | High | |
| Actor | Manager | |
| Description | This use case allows the manager to pay suppliers. | |
| Pre-condition | Uc-06, Uc-07, Uc-05 | |
| Post-condition | Manager has successfully paid for the item online. | |
| The fundamental course of action. | User Action | System Responses |
| 1. Manager is on payment details page. 2. Manager enters payment details.   5.manager confirms payment details | 3.system validates payment information details.  4.system asks manager to confirm.  6.System proceeds to make the payment successfully.  7.use case exit. |
| The alternative course of action. | If in 3. Details are not validated the payment doesn’t proceed. | |

# Physical Payment

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| --- | --- | --- |
| Use case No. | Uc-07 | |
| Use case name | Physical Payment | |
| Priority | Medium | |
| Actor | Customers | |
| Description | This use case allows the users/customer to pay physically. | |
| Pre-condition | Uc-06, Uc-05 | |
| Post-condition | User has successfully paid for the item physically. | |
| The fundamental course of action. | User Action | System Responses |
| 1. Deliverer comes with package to given location. 2. Customer checks if order is correct.   5. Customer makes payment and takes package. | 1. Deliverer confirms order is correct. 2. Deliverer handles receipt to customer.   6. Deliverer takes amount and hands over to manager. |
| The alternative course of action. | If at 2, the order comes out as incorrect, deliverer has to confirm with manager and come back with proper ordered package. | |