PREMIER UNIVERSITY CHITTAGONG

Department of Computer Science & Engineering

Course code : CSE 306

Course Title : Software Engineering & Information System Design Lab

Name of Project : Online Food Order and Managing System

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Introduction:

This project is about an Online Food Order and Managing System. This web application gives facilities to the user or customer to view food menu and ordering food with online payment. It also gives managing food item, food order, sales and category facilities to the admin. We have used html, CSS, java script for UI design, mysql for database and php as server side scripting language. Framework of this web application is designed by Bootstrap.

Objective:

The main objective of this project is to develop a simple but effective web application for ordering foods and managing food items, orders etc.

Literature Review:

The journey for getting up to the peak of joy and facilities that we are presently experiencing started with initial footstep of a wireless technology. The introduction of basic proposed online food order systems and consequent developments are been mentioned here.

Khairunnisa K. proposed the application of wireless food ordering system. This work presented in-depth on the technical operation of PDA based Wireless Ordering System (WOS) including systems architecture, function, limitations and recommendations.

Asan, N. Badariah introduced Smart Ordering System which was also a fast way to order food at a restaurant. The system used a small keypad to place orders and the order made by inserting the code on the keypad menu. These codes came along with the menu. The signal would be delivered to the order by the Zigbee technology, and it would automatically be displayed on the screen in the kitchen.

Foodpanda, one of most popular online food ordering web application now in Bangladesh was founded in 2012 by Lukas Nagel and Rico Wyder in South-East Asia and launched across Singapore, Malaysia, Indonesia, Thailand and in 2014 in the Philippines. They have developed this web application based on Wireless Ordering System with online payment.

Zomato, an Indian restaurant aggregator and food delivery start-up founded by Deepinder Goyal and Pankaj Chaddah in 2008. Zomato provides information, menus and user-reviews of restaurants as well as food delivery options from partner restaurants in select cities with online payments and order tracking. It is a good example of development of online food order system.

Features:

- ❖ Features for User.
    1. Registration and login.
    2. Viewing food category-wise and order food.
    3. Payment with card or cash.
    4. Rating Food.
    5. Tracking order etc.
- ❖ Features for Admin.
    1. Managing food order request by Confirming, Rejecting and Delivery.
    2. Add, Delete and Update food and category.
    3. Adding Sub-admin and delivery Boy.

4. Managing Payment Status and User etc.

Methodology:

Process Model:

There are many process model in software development. Incremental Process Model is one of them. We followed the Incremental Process Model as we knew and clearly understood major requirements of the food order system and our team were not very well skilled or trained. So, we broken down the system development into many mini development and highest priority requirement tackled first. Then marge the partial systems successively to produce the final total system.
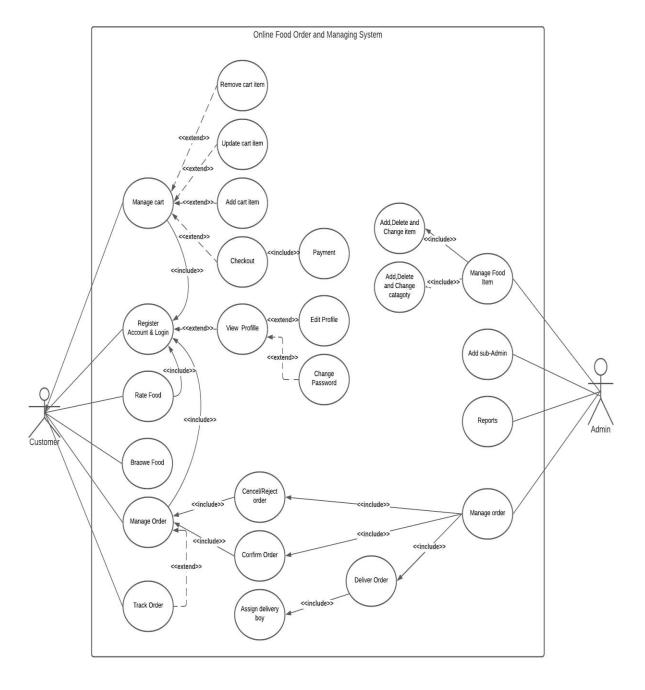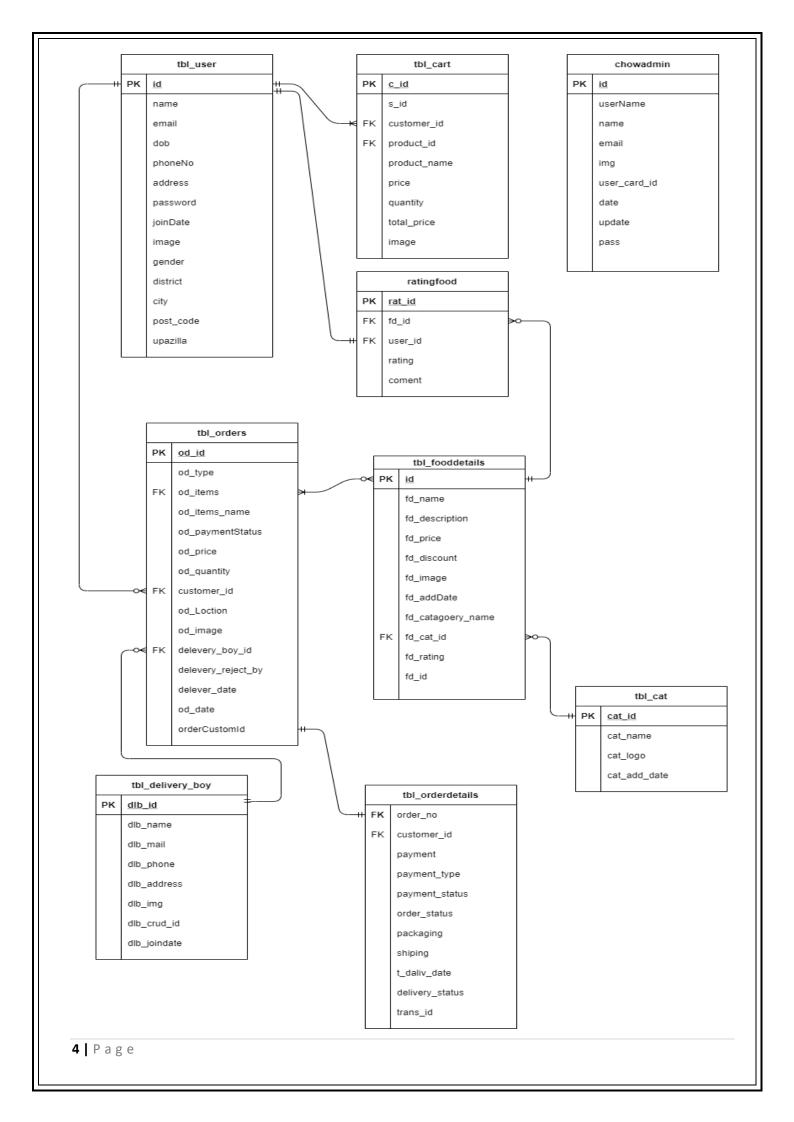
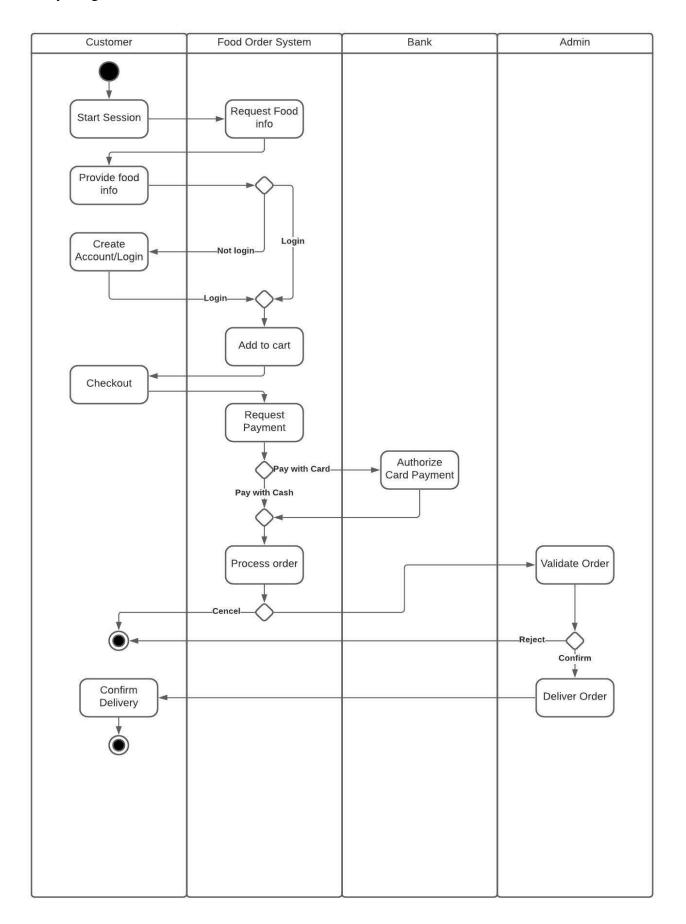### Use Case Diagram:

Fig: Use case Diagram

ER Diagram:

tbl_user

PK	id
	name
	email
	dob
	phoneNo
	address
	password
	joinDate
	image
	gender
	district
	city
	post_code
	upazilla

tbl_cart

PK	c_id
	s_id
FK	customer_id
FK	product_id
	product_name
	price
	quantity
	total_price
	image

chowadmin

PK	id
	userName
	name
	email
	img
	user_card_id
	date
	update
	pass

ratingfood

PK	rat_id
FK	fd_id
FK	user_id
	rating
	coment

tbl_orders

PK	od_id
	od_type
FK	od_items
	od_items_name
	od_paymentStatus
	od_price
	od_quantity
FK	customer_id
	od_Loction
	od_image
FK	delevery_boy_id
	delevery_reject_by
	delever_date
	od_date
	orderCustomId

tbl_fooddetails

PK	id
	fd_name
	fd_description
	fd_price
	fd_discount
	fd_image
	fd_addDate
	fd_catagoery_name
FK	fd_cat_id
	fd_rating
	fd_id

tbl_cat

PK	cat_id
	cat_name
	cat_logo
	cat_add_date

tbl_delivery_boy

PK	dlb_id
	dlb_name
	dlb_mail
	dlb_phone
	dlb_address
	dlb_img
	dlb_crud_id
	dlb_joindate

tbl_orderdetails

FK	order_no
FK	customer_id
	payment
	payment_type
	payment_status
	order_status
	packaging
	shiping
	t_daliv_date
	delivery_status
	trans_id

Activity Diagram:

Customer	Food Order System	Bank	Admin

Customer:
- Start Session
- Provide food info
- Create Account/Login
- Checkout
- Confirm Delivery

Food Order System:
- Request Food info
- Add to cart
- Request Payment
- Process order

Decision: Not login → Create Account/Login; Login

Decision: Login

Payment decision:
- Pay with Card → Authorize Card Payment
- Pay with Cash

Bank:
- Authorize Card Payment

Process order decision: Cencel

Admin:
- Validate Order
- Reject
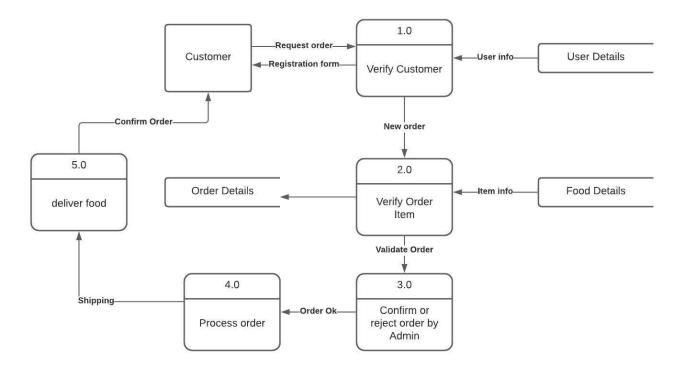- Confirm
- Deliver Order

Logical DFD:

Fig: Logical DFD

Limitations and Future Work:

Though we have tried to make this project fully advance and complete but as a first web project and beginner level project it was very difficult. Future works which are given below can make this web application more advance and efficient. Those works are:

1. Verifying user registration by email or phone number.
2. Forget password and remember me option.
3. Payment Refund.
4. Notifying user with email or SMS.
5. Profile and Managing new order delivery facilities for delivery boy.

Conclusion:

In this project we have tried to develop a simple and effective web application to order food online with payment with card and for managing food order, food menu, sales online. While developing this web application we have faced syntax error and connection error because of not witting syntax and database name properly. We have also faced difficulties in designing the frontend of this project because of little knowledge in Bootstrap. To overcome this problem we have took help from different online website. After implementing the future work properly this web application will be advanced, complete and perfect.

References:

[1] Khairunnisa K." The Application of Wireless Food Ordering System" in MASAUM Journal of Computing, Volume 1 Issue 2, September 2009

[2] Asan, N. Badariah" Zigbee-Based Smart Ordering System (S.O.S)" International Journal of Computer Trends and Technology (IJCTT) – volume 11 number 5 – May 2014

[3] www.google.com

[4] www.youtube.com

[5] https://getbootstrap.com

[6] https://lucid.app

[7] https://app.diagrams.net

[8] https://github.com

[2] Asan, N. Badariah" Zigbee-Based Smart Ordering System (S.O.S)" International Journal of Computer Trends and Technology (IJCTT) – volume 11 number 5 – May 2014