

1.0 Introduction

Kelantan Food Delivery system (KFD) is system provide delivery online food system for resident at Kelantan. As we all know, many food delivery web or apps in nowadays. But Kelantan Food Delivery system is different with others food delivery system, this system just focus for Kelantan resident and this system have special features for user and client. Online food delivery system is a system for process of food delivery or takeout from a local restaurant and food cooperative through a web page. With this system user can create own account and make frequent and easy to ordering. Customers also can choose for a favourite restaurant and foods in this system. They also can make payment with debit and credit card.

Only restaurants existed in Kelantan are available in Kelantan Food Delivery system (KFD). The reasons developer just choose restaurant from area Kelantan only because to assist the small restaurant in Kelantan area to raise their profitability and providing them with the facilities in finding the customers that willing to purchase for their food. With Kelantan Food Delivery system (KFD), our client also can do marketing and announce their new menu and food to user in this system. The other reasons is in Kelantan have a many restaurant register under SME.

After make research and observation developer choose to create this system because in Kelantan such kind of this system still does not seem to exist. Developer think with this system, can make Kelantan resident especially student, staff and houswives easily to order food without go to restaurant and they can save their time and money. As we all know, some student they not have an enough time and money to go to the restaurant to purchase for a food because their schedules are too pack, busy with their assignment and not have enough money to rent a car. This system can help the residents in Kelantan to overcome several problems faced by them.

2.0 Statement of problem

2.1 User

After do a research and observation the first problem can identify from user is user **not have transport and any driving licences**. For this problem, more focus to housewives and student. Housewives and student that do not have any transportation or any driving licences usually facing the barriers to buy the foods at the restaurant outsides. They need to rent the car or ask someone else to help them buy the food at the restaurant.

Next, the problem that can identify from user is **difficulty to find any parking lot**. As we all know some restaurant they not provide enough parking lot for their customer. Especially restaurant at city area such as Kota Bahru and Pasir Mas they have limited parking space. The user consume a lot of time just searching for parking space. Some of the user become annoyed when they cannot find any parking lot and then just go home and not eating at the restaurant.

Besides the problem that can identify from user is **user not having enough time to buy food at the restaurant**. Students and workers usually face this problem. For students they, some student they not have an enough time to go to the restaurant to purchase for a food because their schedules are too pack, busy with their assignment. For the workers they not enough time to buy the food at restaurant it is because they got a lot of the work to be done and high workplace.

Lastly, the problem that can identify from user is **traffic jam**. As we all know some area at Kelantan such as Kota Bahru and Pasir Mas have traffic jam especially lunch hour. User has to spend a long period of time in a traffic jam. That causing them does not have any time to eat in the recess period.

2.2 Restaurant

After do a research and observation the problem that can identify from restaurant is difficulties to get customer from others area in Kelantan, and difficulties in updating menu card information. First of all, the problems that faced by restaurant is **difficulties in updating menu card**. As we all know, nowadays-certain restaurant still using traditional way to updating their menu card. If they want to update their new menu they need to print the new menu card and need use a large cost to print new menu card. If the food details changed but the staffs do not update the menu card information, it may reason possible issue to customer such as customer cannot make their preferable decision and conflict during make their payment.

Next, the problem that faced by restaurant is **their difficulties to get customer**. Some restaurant they faced this kind of problem because they does not have any platform to market their restaurant. Hence, customers do not aware about the existence of their restaurants. They can use this system as a platform to do marketing for their restaurant.

3.0 Developer Profile



Figure 1 Muhammad Firdaus bin Nazarudin

PROFILE

| | |
|-------------------|--|
| NAME | Muhammad Firdaus bin Nazarudin |
| AGE | 22 |
| ADDRESS | NO.783-1 Blok Melor, Perumahan Kastam Port Dickson 7100 Negeri Sembilan |
| EMAIL | mr.firdausnazarudin@gmail.com |
| TELEPHONE NUMBER | 017-6682435 |
| GENDER | Male |
| DATE OF BIRTH | 5 April 1996 |
| COUNTRY OF ORIGIN | Malaysia |

EDUCATION

| | |
|------------------|---|
| PRIMARY SCHOOL | Sekolah Kebangsaan Pelabuhan Klang |
| SECONDARY SCHOOL | Sekolah Menengah Kebangsaan Tumpat |
| UNIVERSITY | Diploma UiTM Kampus Machang Kelantan Degree UiTM Kampus Machang Kelantan |

SKILL

| | |
|-------------|---|
| Language | Bahasa Melayu English Mandarin |
| Programming | PHP HTML CSS Visual Basic Microsoft words and excel |

WORK EXPERINCE

| | |
|------|-----------------|
| 2012 | Crew leader GSC |
| 2015 | IT junior GSC |

4.0 Aims / Objective of the project

- 4.1 To create a platform user can make ordering and purchasing process easily
- 4.2 To identify new customer
- 4.3 To improve the communication between the client and the serve and minimize the time of ordering
- 4.4 To develop a system that will surely satisfied the customer services

5.0 Scope / Limitations of the project

Before developer want to develop this system researcher need to identify the several scope and limitations for this system to user easy to use this system and make this system unique from other food delivery system. After the developer do observation and research, they identify several scope and limitation for this system.

5.1 Scope

5.1.1 Online payment

In Kelantan Food Delivery System (KFD), users who use this system can do an online payment using debit card and credit card. Developer provides this process to make the user easily to do a payment without using the cash.

5.1.2 List of restaurant

Next, in Kelantan Food Delivery system developer provides the lists of the restaurant are register under this websites. User can easily to choose the favourite restaurant they want.

5.1.3 List of menu

Besides, list of menu is main process for this websites it is because in this page user can view all menus and make the order. All restaurants provide a different menu so user has various menu they can choose and order.

5.1.4 List of Order

List of order is very important function for restaurant. With this function restaurant can know the quantity and food that order by customer. With this function also restaurant can avoid order redundant and lost order. User also can see their order list at cart.

5.1.5 Review

User can give their comment and suggestion about the services they provides by Kelantan Food Delivery. With this function, Kelantan Food Delivery can identify their weakness and can improve their performance from time to time.

6.0 Milestone & Gant chart

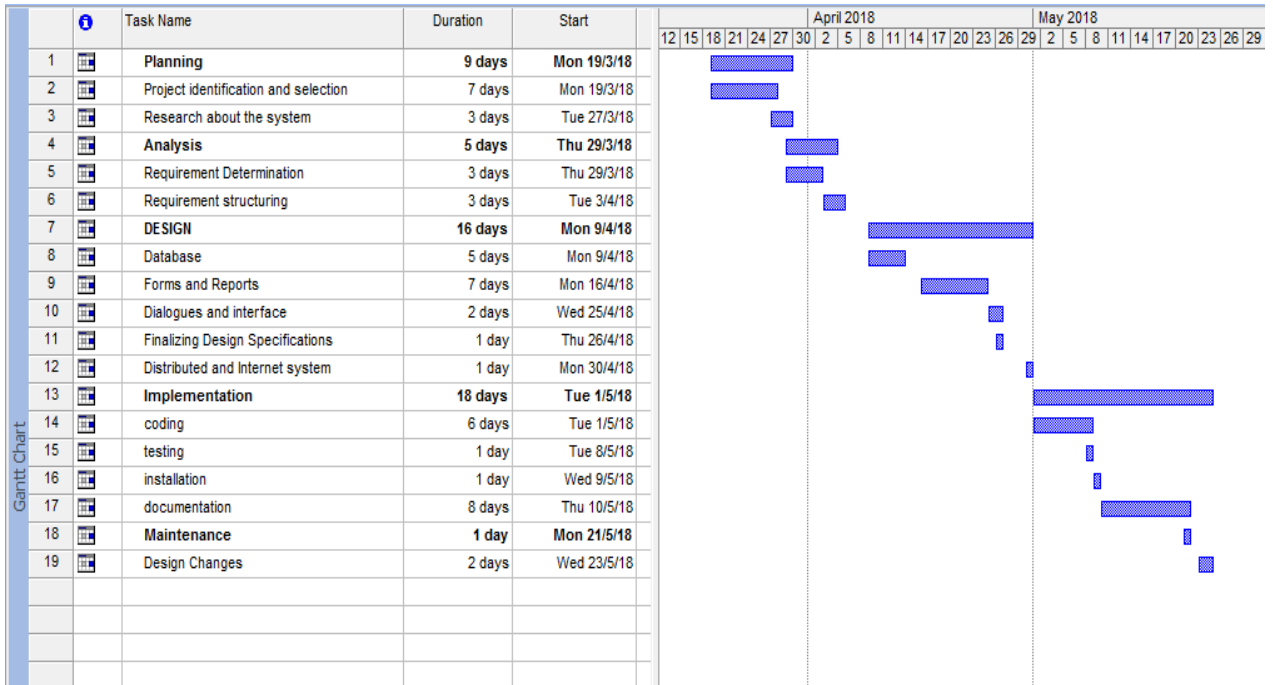


Figure 2 Gant Chart

7.0 Estimated Budget and cost require for the project

Before develop Kelantan Food Delivery System (KFD) developer need to estimate budget and cost require for this system. With estimated budget and cost can manage money and can avoid from waste money. For this system, developer did not use high budget to develop this system its is because have a several software use to develop this system are currently free and can be downloaded via internet. For example XAMPP, Web browser and sublime. However have some software and hardware need to buy to make sure this system can be easily to develops and use. For example Laptop model Acer Aspire V5, Adobe Photoshop CS6, and Adobe Dreamweaver CS6.

| No | Items | Description | Price (RM) |
|----|-----------------|-----------------------------|-------------------|
| 1 | Laptop | Laptop model Acer Aspire V5 | RM 1,800.00 |
| 2 | Adobe Photoshop | Adobe Photoshop CS6 | RM 50.00 |
| 3 | Vegas Pro | Vegas Pro 13.0 (64 bit) | RM 125,00 |
| 4 | Sublime | Sublime version 3.0 | FREE |
| 5 | XAMPP Server | XAMPP Server version 5.6 | FREE |
| | Bootstrap | Bootstrap | FREE |
| 7 | Web Browser | Google, Yahoo, Firefox , | FREE |
| | | TOTAL: | RM 1975.00 |

Table 1 Estimated Budget

8.0 Hardware and Software details use in the project

Hardware and software is important component to develop the system. Before start to develop the system, need to identify the suitable hardware and software to support this system. After do a research, have several hardware and software are suitable for this system. As we all know if choose unsuitable hardware and software the system not in good performance and can be lag.

8.1 Hardware

For create Kelantan food delivery hardware that be use just laptop Acer Aspire v5. The reasons why using laptop Acer Aspire V5 it is because the specification this laptop is good and the price is suitable. Specification for this laptop for processor or chipset using CPU Intel Core i5 (3rd Gen) 337U/1.7 GHz, maximum turbo speed 2.6 GHz, number of cores dual-core, cache L3-3 MB, 64-bit computing, chipset type using mobile Intel HM77 express and the features is hyper-treading technology Intel smart cache and Turbo Boost Technology 2.0. Storage laptop Acer Aspire V5 for interface using serial ATA-300, optical drives have DVD±RW (±R DL)/DVD-RAM fixed, read speed 24x (CD)/ 8x (DVD), write speed 24x (CD)/ 8x (DVD)/ 6x (DVD±R DL) and rewrite speed 16x (CD) / 6x (DVD-RW) / 8x (DVD+RW) / 5x (DVD-RAM). Memory for laptop Acer Aspire V5 8GB for maximum supported size and for Ram this laptop using DDR3 SDRAM 4GB. Graphic processor using Intel HD Graphics 4000. Price for this laptop is RM 1800.



Figure 3 Laptop Acer Aspire V5

8.2 Software

Have several software that been use for create this system which is Adobe Photoshop, Sublime, Vegas Pro, XAMMP server, bootstrap and web browser . All software can help the developer to make the system more effective and efficient.

8.2.1 Adobe Photoshop



Figure 4 Adobe Photos hop

As we all, know Adobe Photoshop is software for edit the picture. For this project the developer using this software to edit the logo, edit the background pictures, storyboard, create the context diagram, ERD and data flow diagram. With using this software, developer can easily edit all things they want it is because in this software provide many tools that can be use by developer. Price for Adobe Photoshop is RM 50.00. As a web developer Adobe Photoshop is very important software to them it is because with this software can make process for edit picture more easily and they can get the good view for the picture they edit.

8.2.2 Sublime



Figure 5 Sublime

Sublime is one of important software that needs use by developer. As we all know sublime is source code editor. Many types of programming languages and markup languages can be use in this software. The developers using this software for write the coding. With sublime the developers can easily find the error and the reasons why the developers using this software is the interface is very simple and easily to use. However, nowadays types of software like sublime such as Adobe Dreamweaver, notepad++ and others. Cost for using sublime is free.

8.2.3 Vegas Pro



Figure 6 Vegas Pro

Vegas Pro is software can edit the video and make video more interesting. The reasons why researcher using Vegas Pro is want to make video to put in Kelantan Food Delivery system. This video can attract user to using this system and researcher can make the promotion video in this system. Cost for using Vegas Pro is RM 125.00.

8.2.4 XAMPP serve



Figure 7 XAMPP

XAMPP serve is one of important software for processes develop Kelantan Food Delivery system. XAMPP serve can make researcher easily to create a local web server for testing and deployment purpose. With using XAMPP serve researcher, can easily to test the coding and identify error in coding. XAMPP serve can download at internet easily and researcher not needs pay for XAMPP serve. Who use the PHP coding they need use the XAMPP to run their system. XAMPP server also has a MYSQL database to keep all information in this server. XAMPP also have an apache. With apache developers can easily to create a local web server for testing their system.

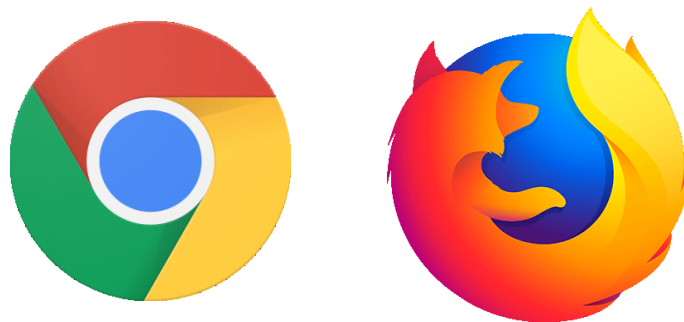


Figure 8 Web Browser

8.2.5 Web browser

Nowadays many web browsers can be use for run the system such as Google browser, Firefox, Yahoo and others. For Kelantan Food Delivery System the researcher chooses web browser Firefox, Google and Yahoo. All browsers that use by researcher are free. With using all web browser researcher can try the system to identify the all web browser that use can support the system or not.

8.2.6 Bootstrap



Figure 9 Bootstrap

Bootstrap is free and open sources software that helps web developer to design the web interface with easy way. With using the bootstrap, web developer can save their time, energy, and money. As we all know, bootstrap provides many templates that can be use by user. Bootstrap also provides special and advance templates but that templates need to pay. If want to use bootstrap can go to their websites at www.startbootstrap.com.

9.0 System flowchart

9.1 User

9.1.1 User registration

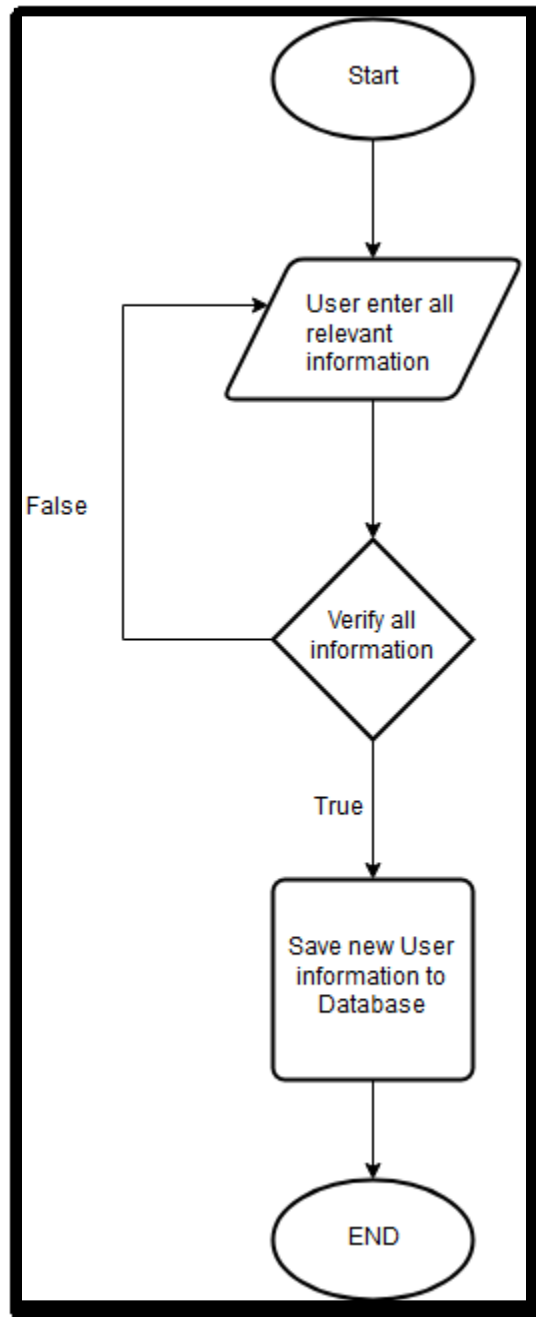


Figure 10 User registration flowchart

9.1.2 Choose menu and payment

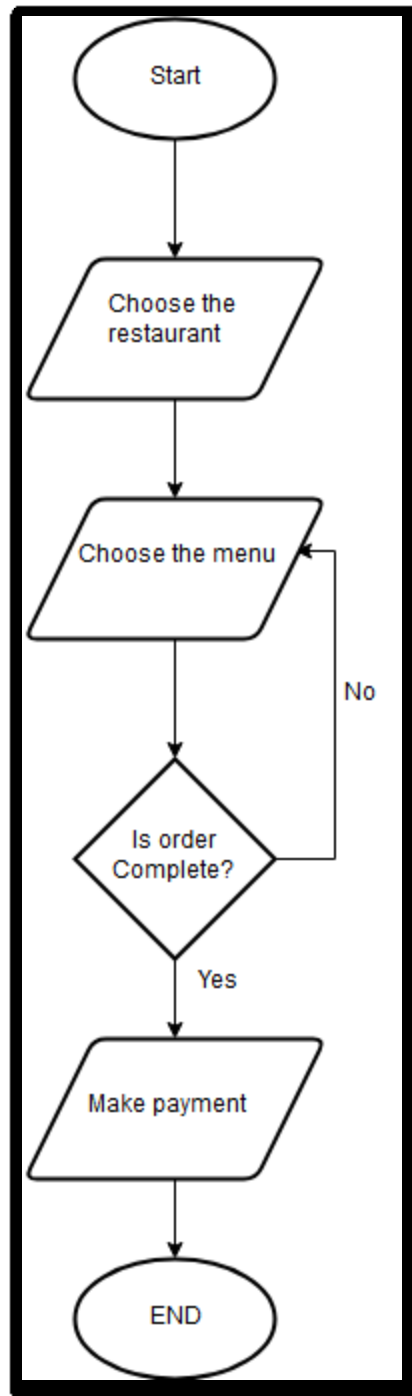


Figure 11 Choose menu and payment flowchart

9.2 Restaurant

9.2.1 Restaurant Registration

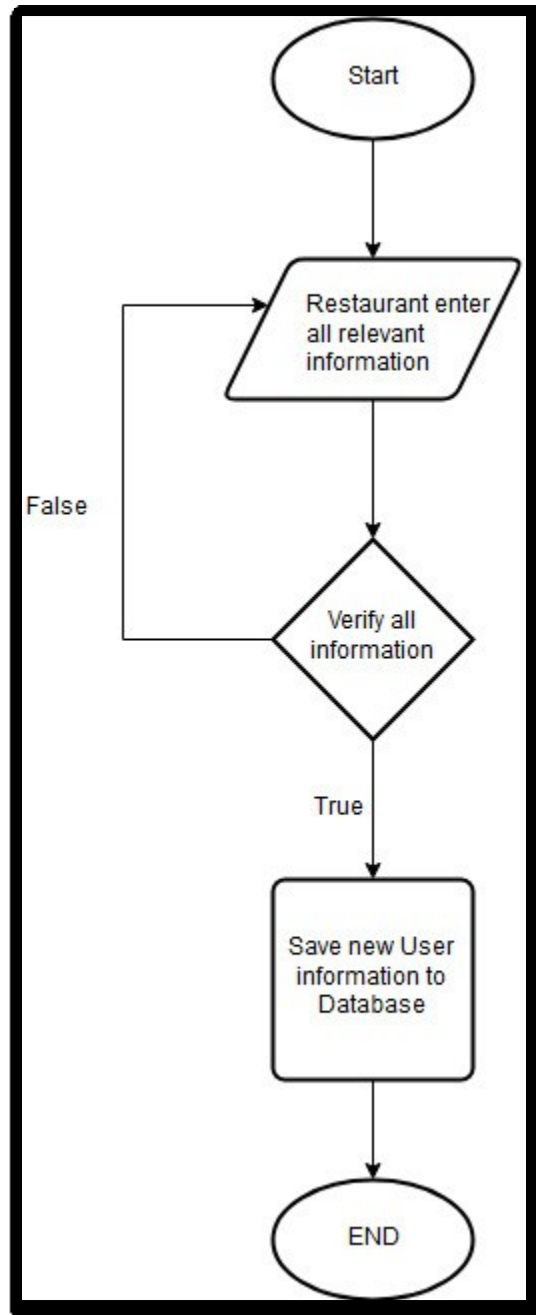


Figure 12 Restaurant registration flowchart

9.2.2 Add menu

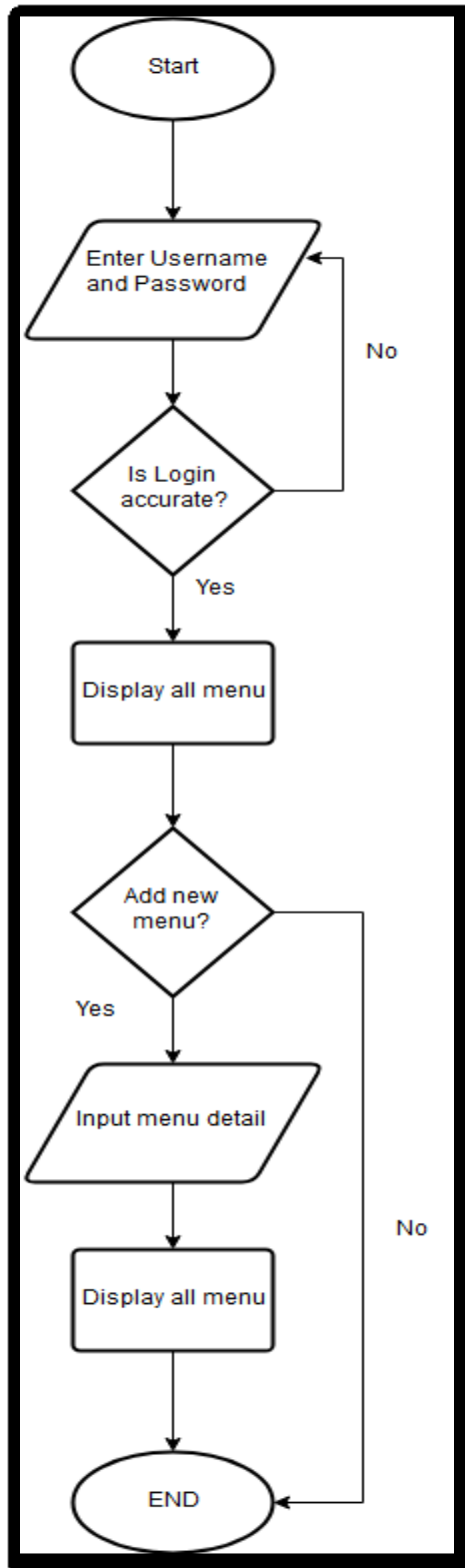


Figure 13 add menu flowchart

9.2.3 Update menu

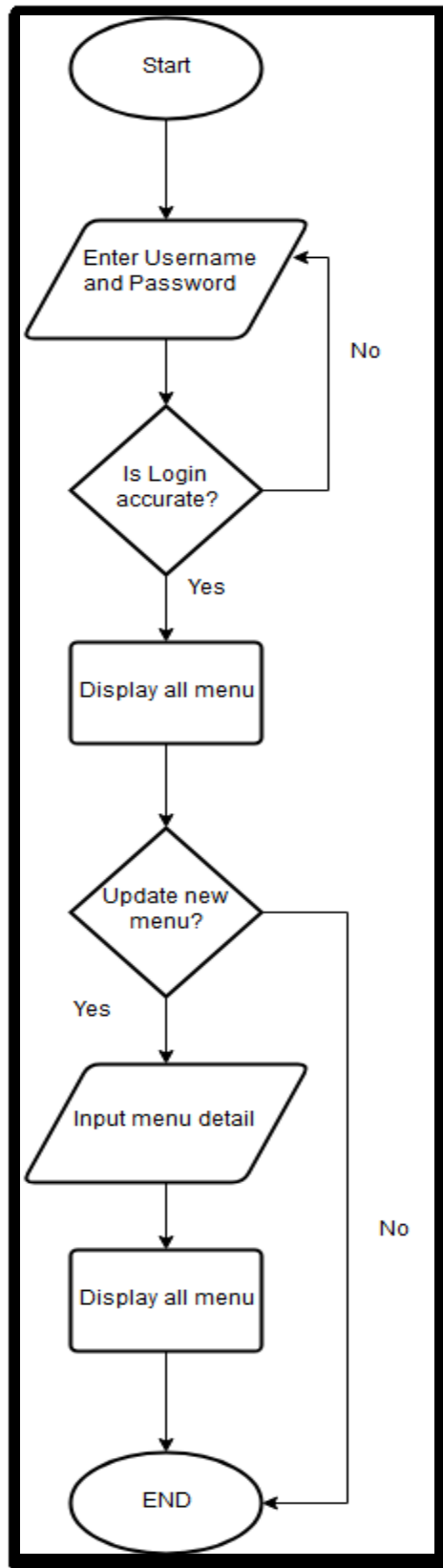


Figure 14 update menu flowchart

9.2.4 Delete Menu

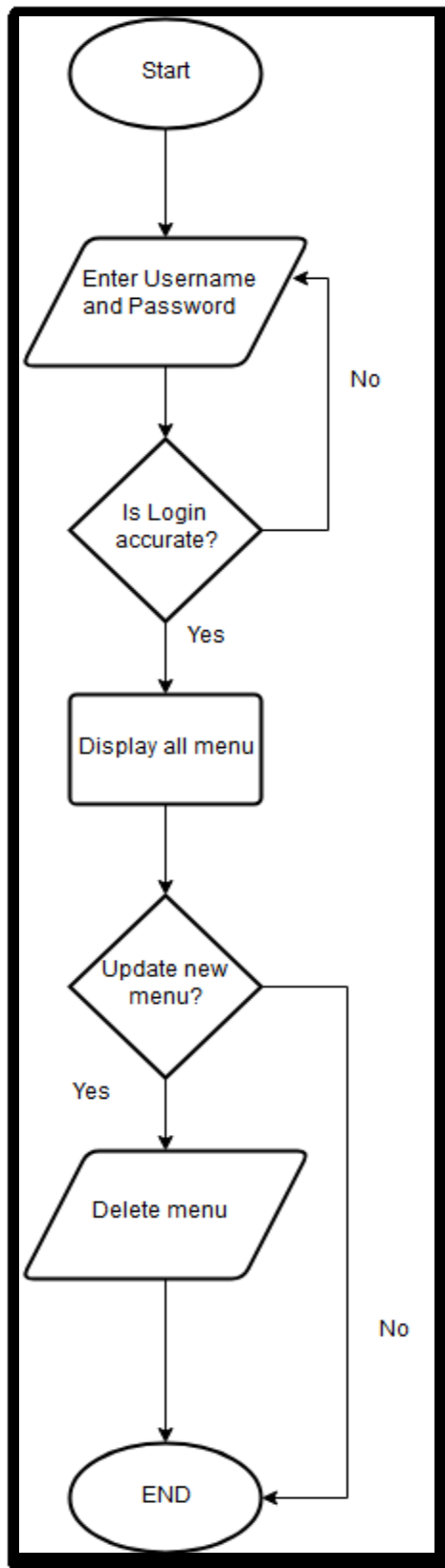


Figure 15 Delete menu flowchart

10.0 Storyboard

10.1 User interface

10.1.1 Home page

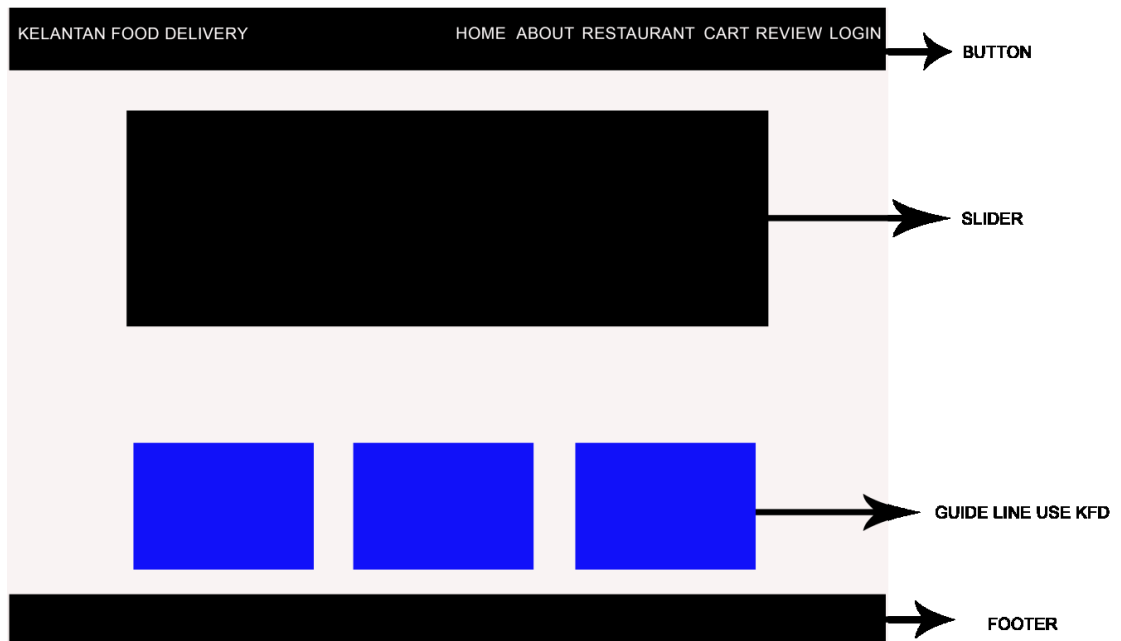


Figure 16 User Home page

10.1.2 About us

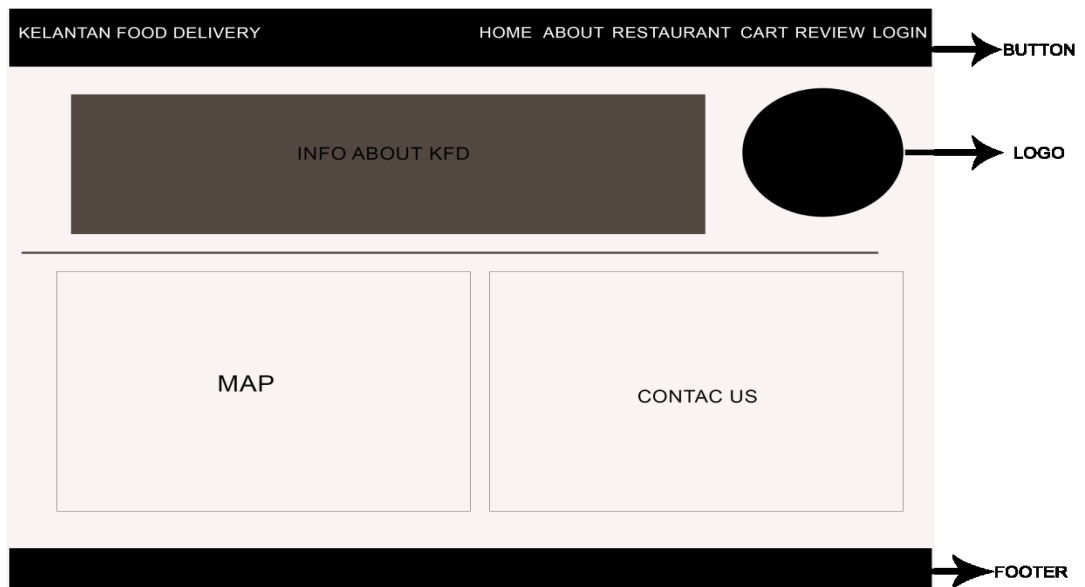


Figure 17 about us



Figure 18 Restaurant page

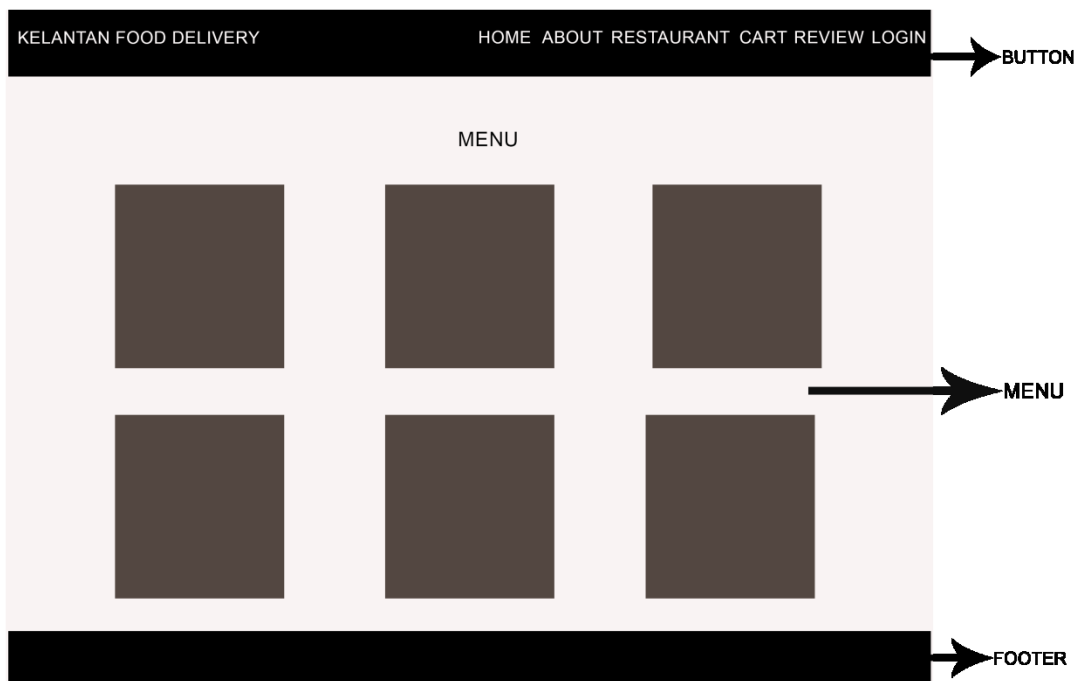
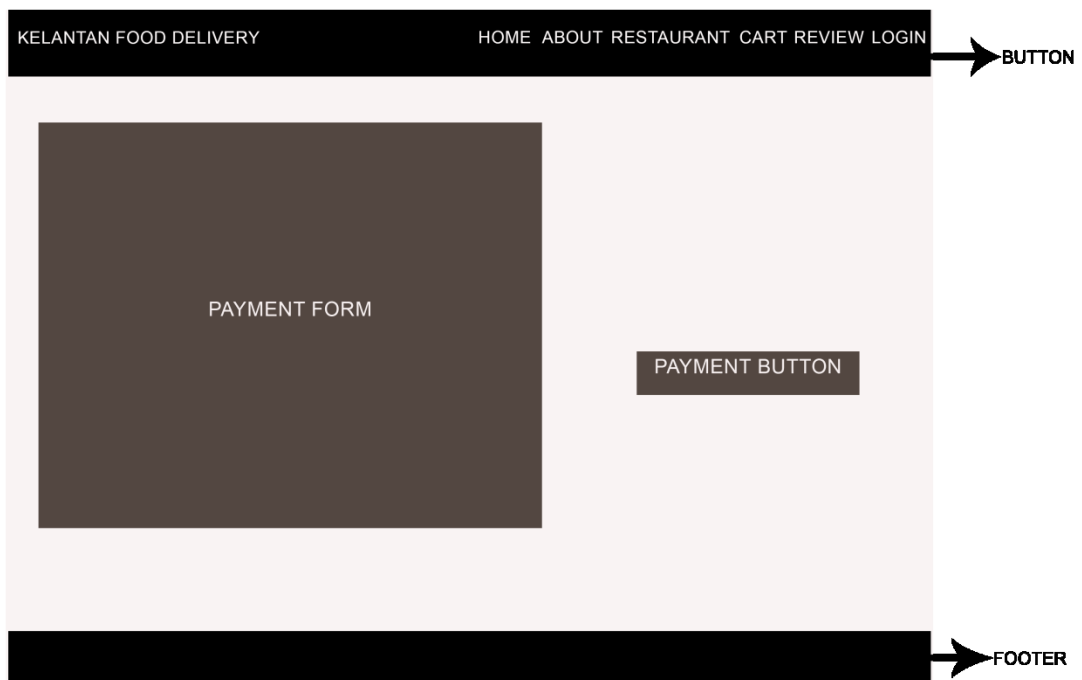




Figure 20 page cart

10.1.6 Payment



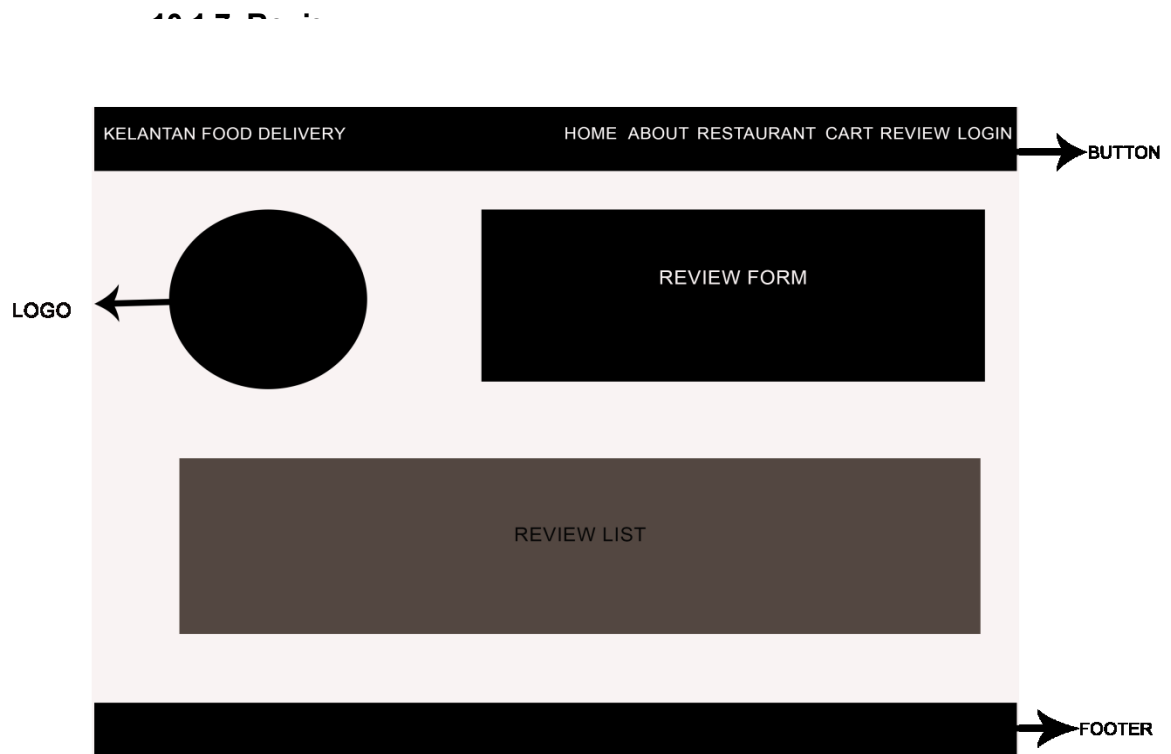


Figure 22 Review page

10.2 Restaurant interface

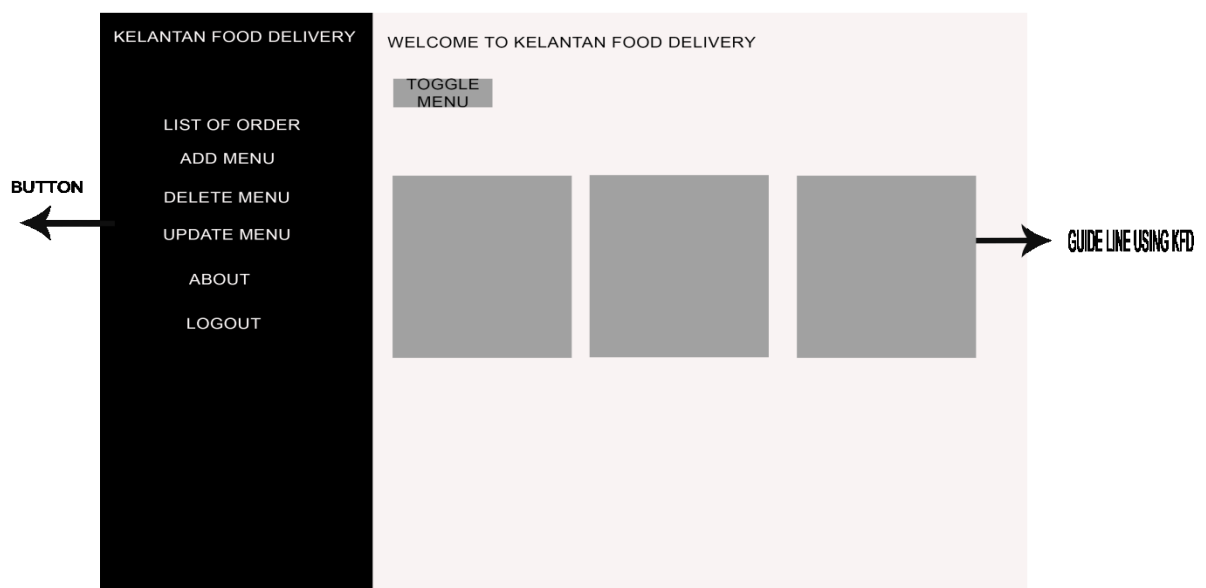


Figure 23 Restaurant Home page

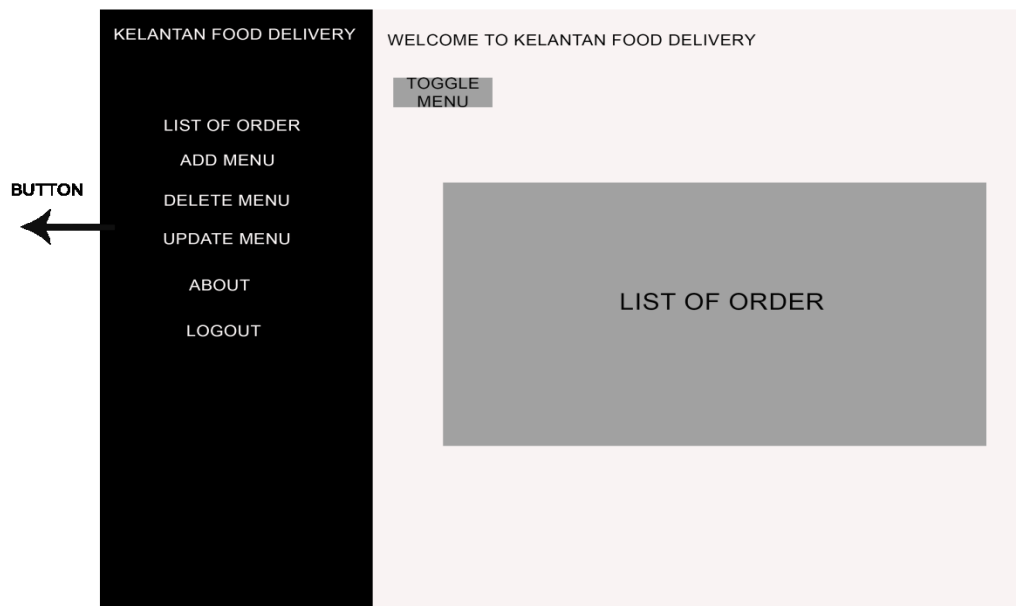


Figure 24 list of order

10.2.3 Add menu

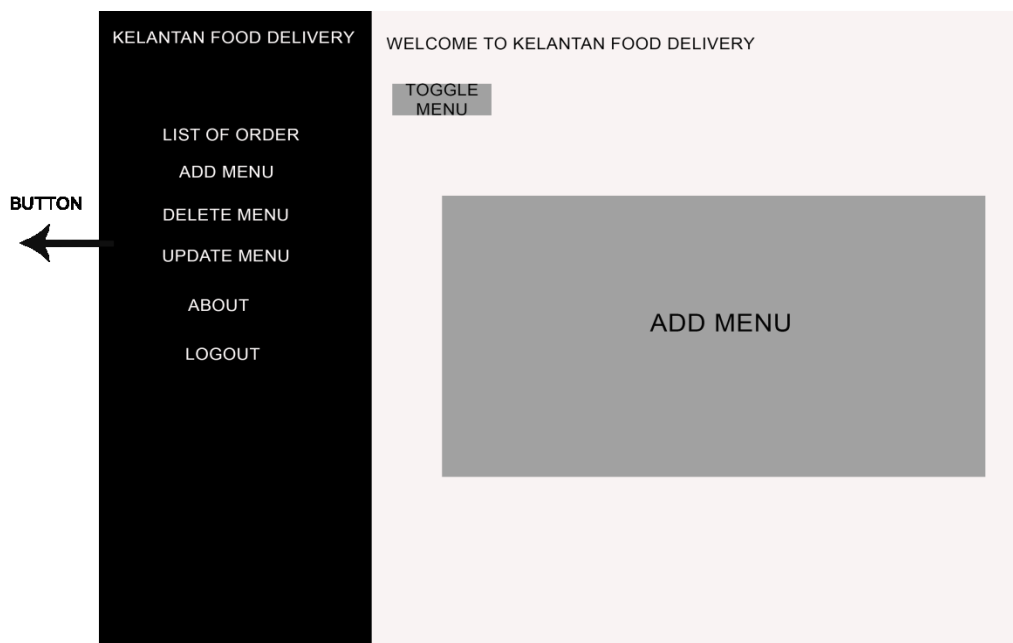


Figure 25 add menu

4.3.4 Delete menu

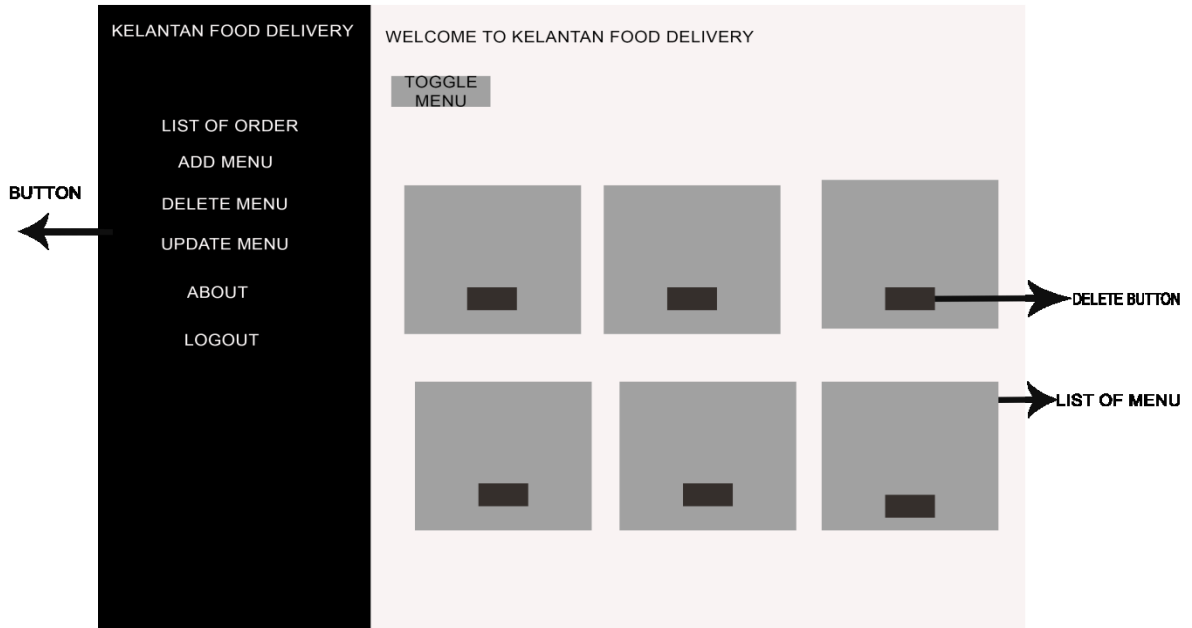


Figure 26 Delete menu

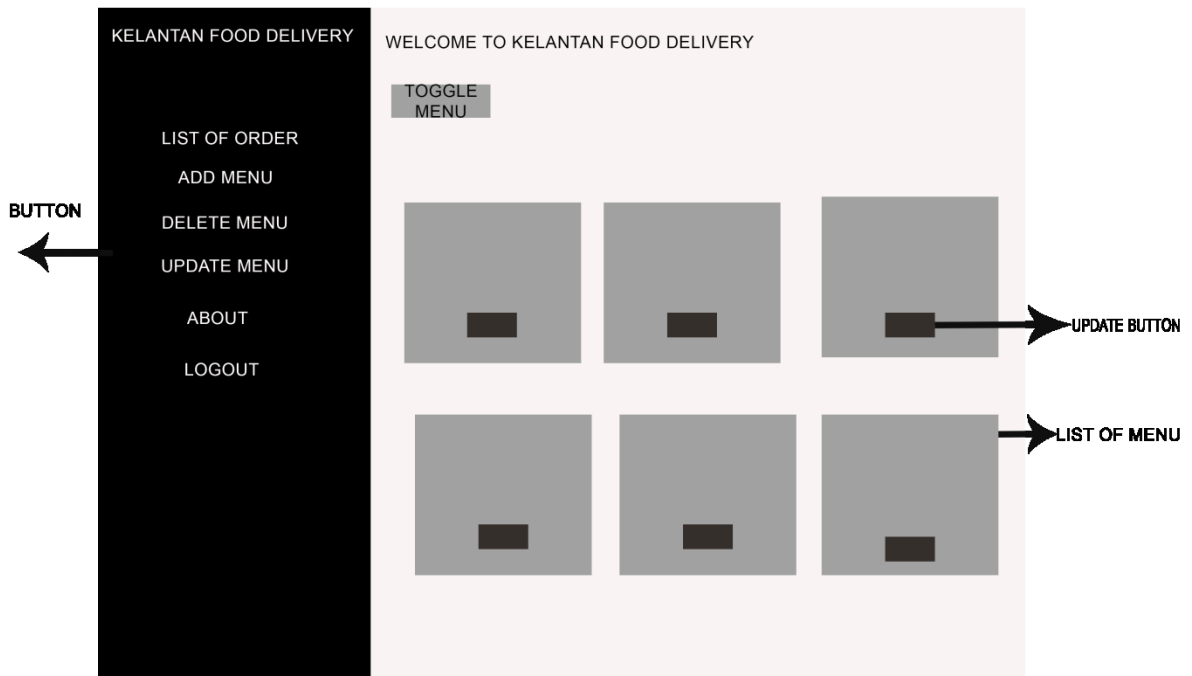


Figure 27 Update menu

10.2.6 About us

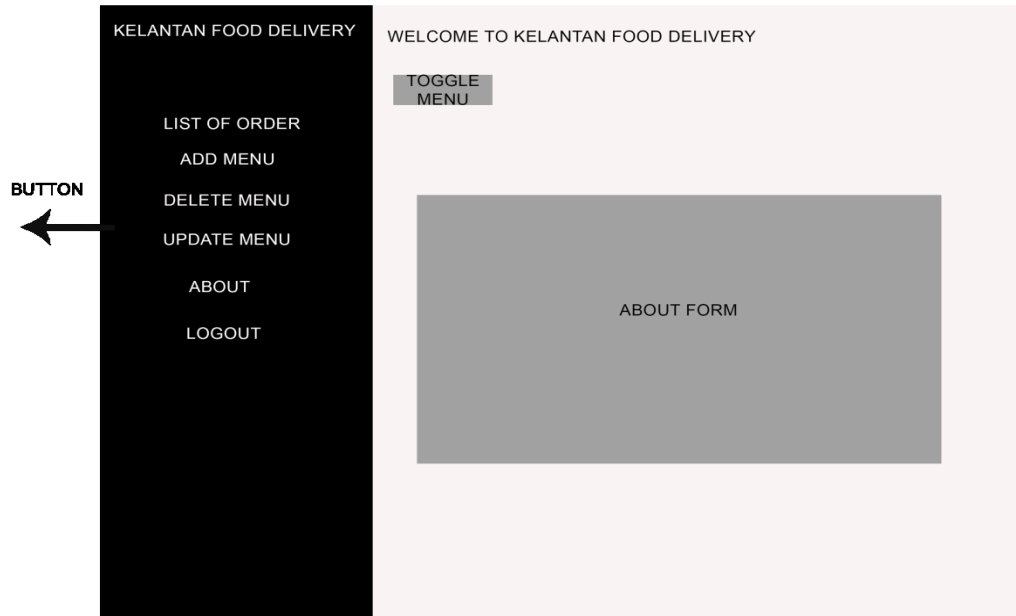


Figure 28 About us

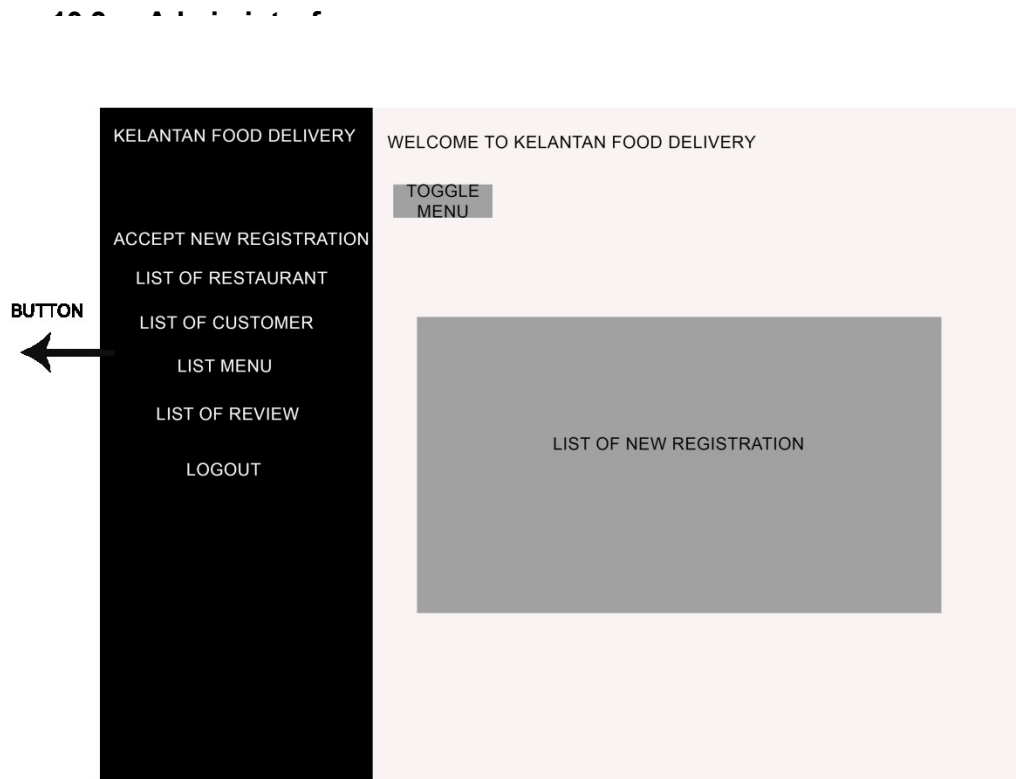


Figure 29 New registration page

10.3.2 List of customer

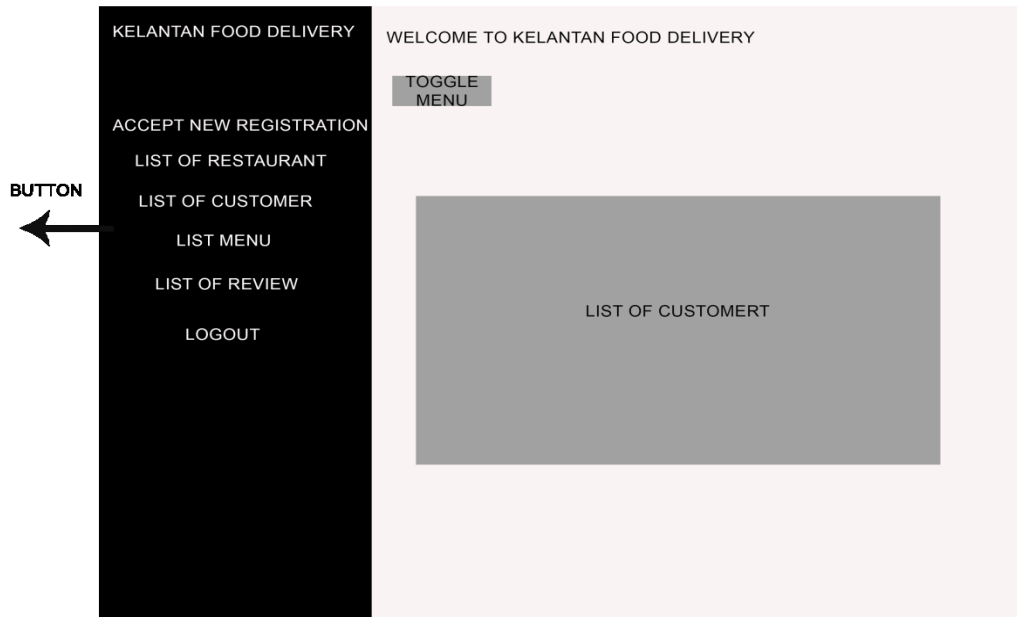


Figure 30 list of customers

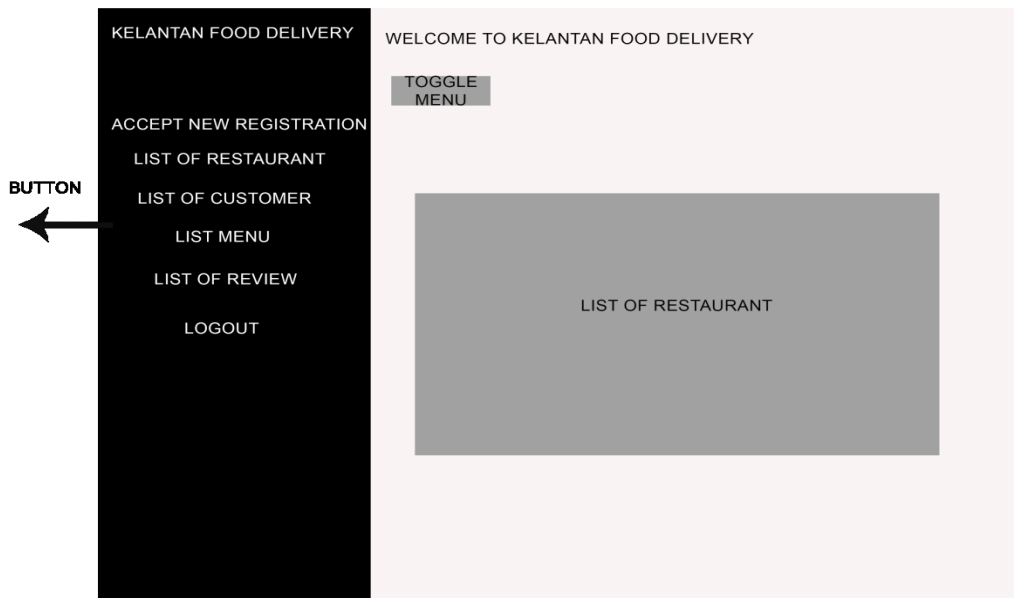


Figure 31 list of restaurant

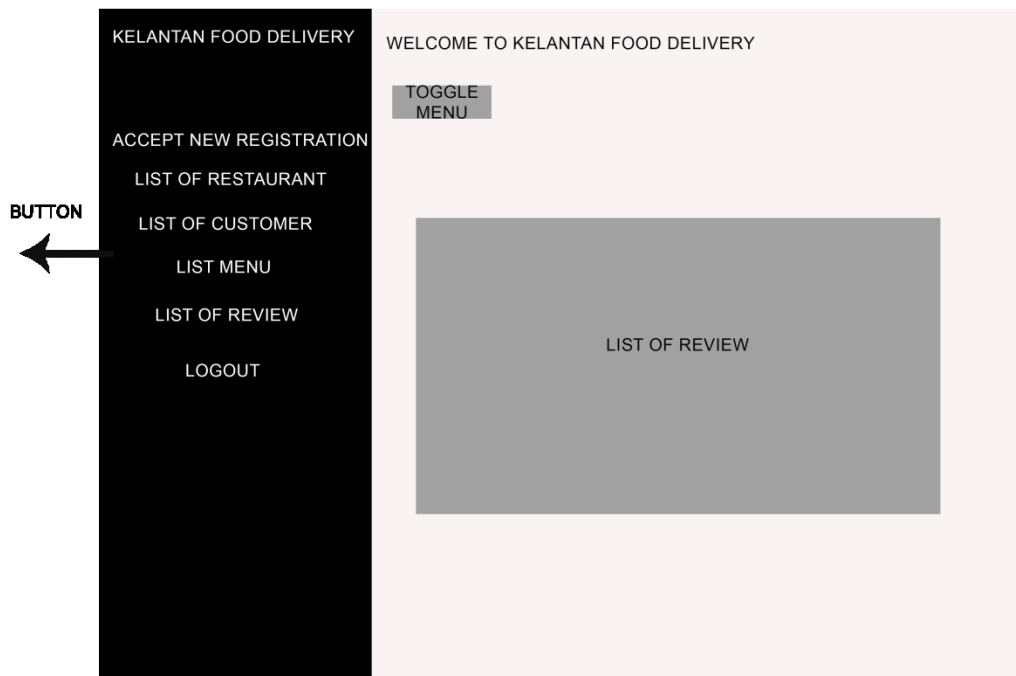
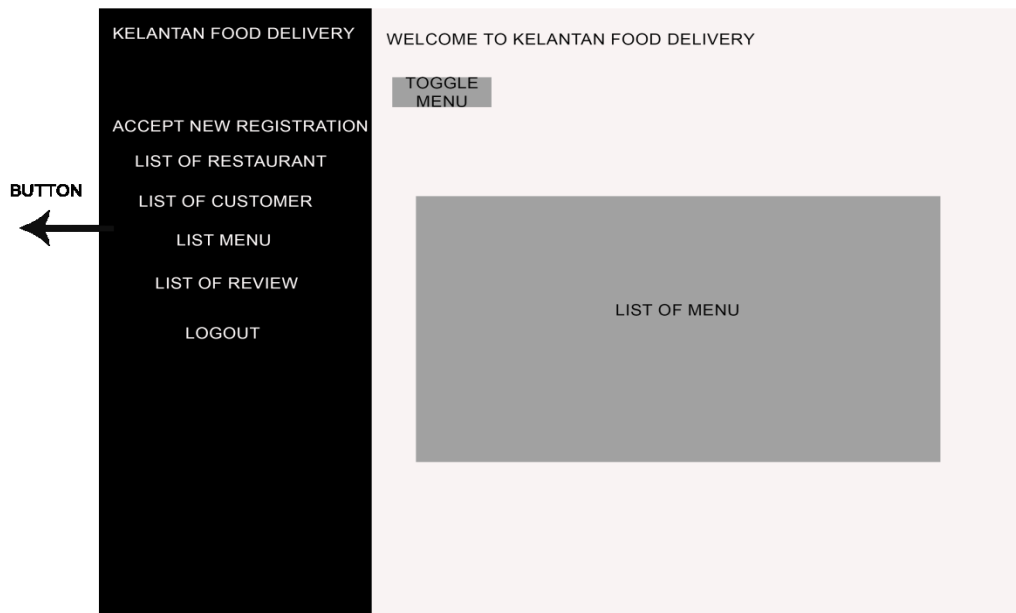


Figure 33 list of review

11.0 Navigation Chart

11.1 user navigation chart

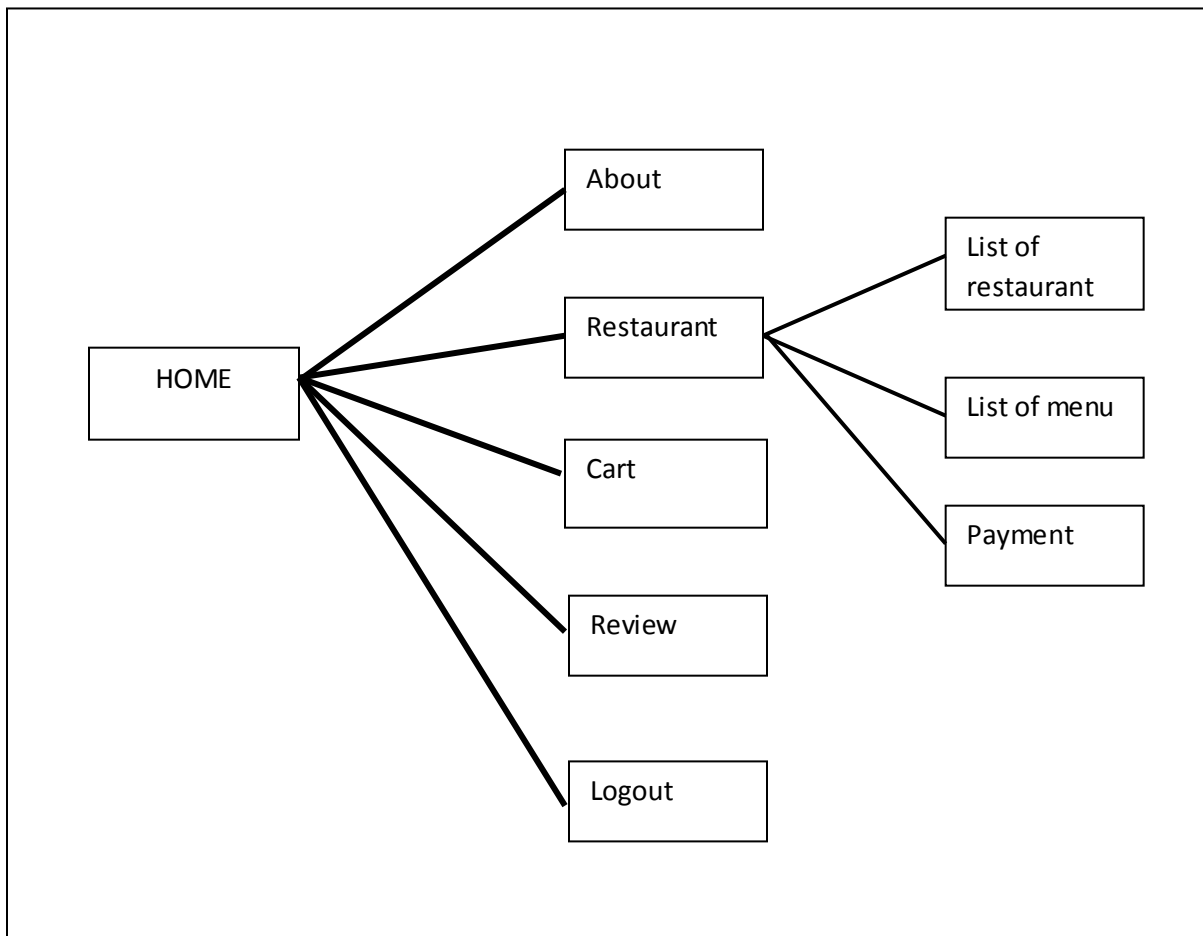


Figure 34 user navigation chart

11.2 Restaurant Navigation Chart

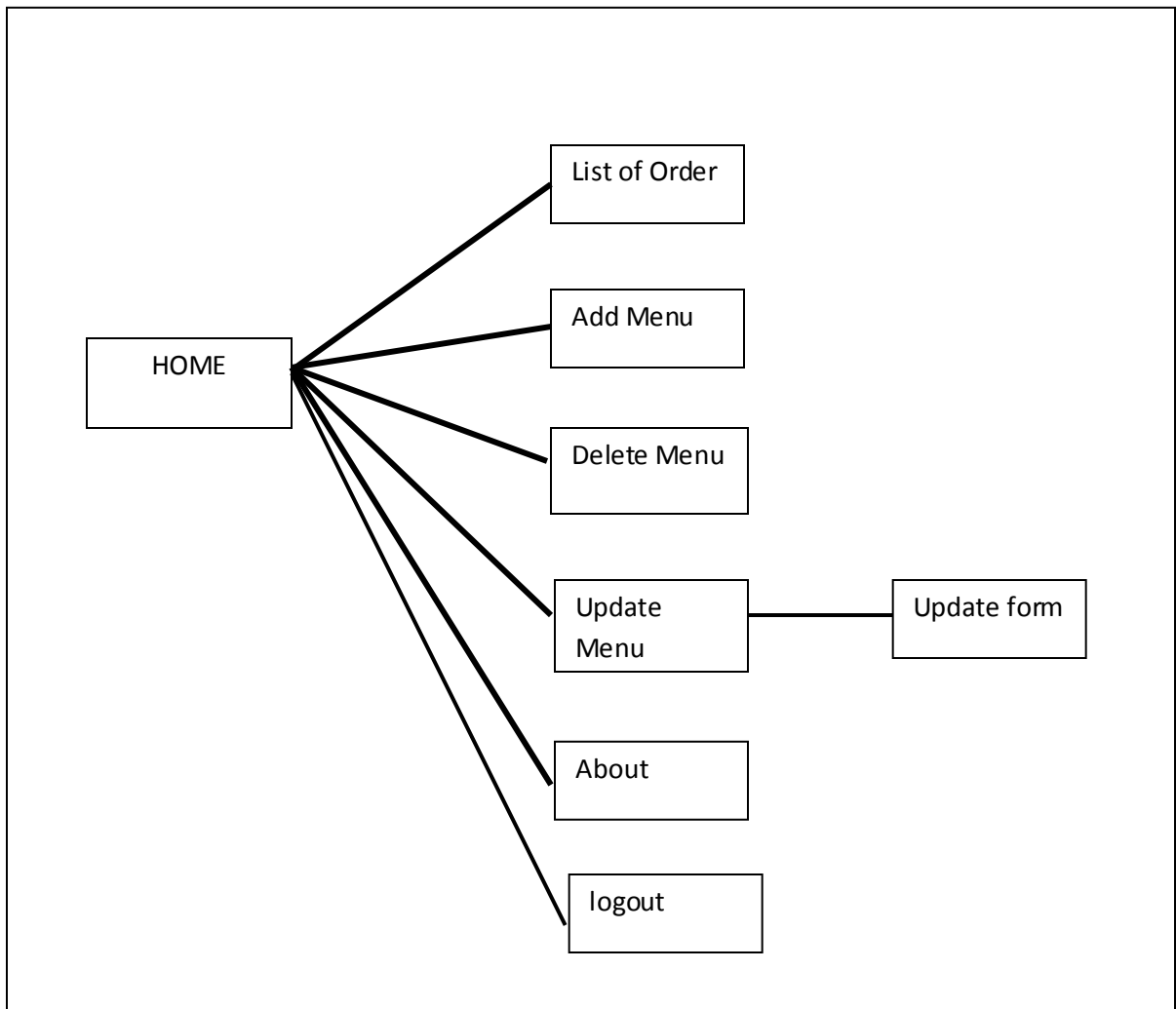


Figure 35 restaurant navigation chart

11.3 Admin Navigation Chart

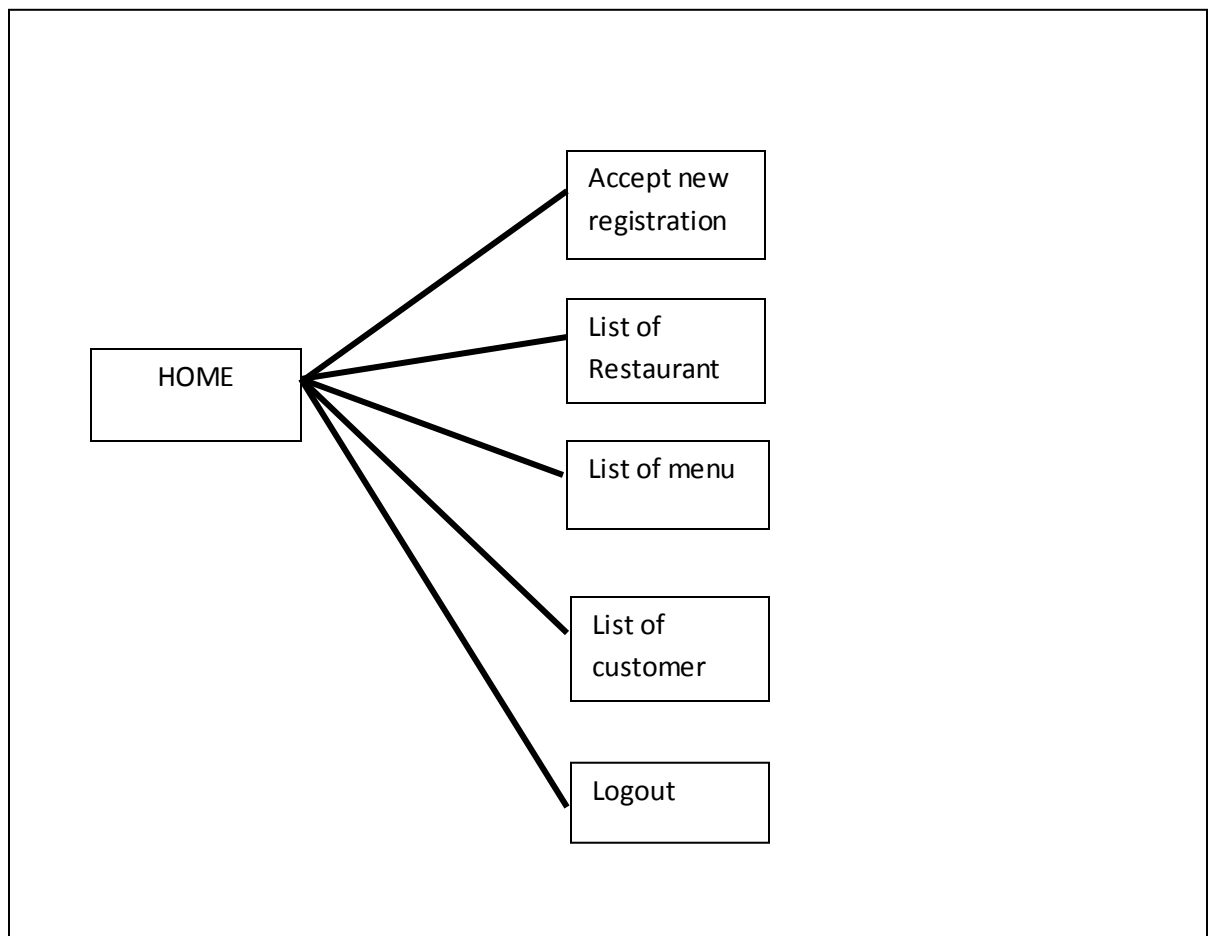


Figure 36 Admin navigation chart

12.0 ERD

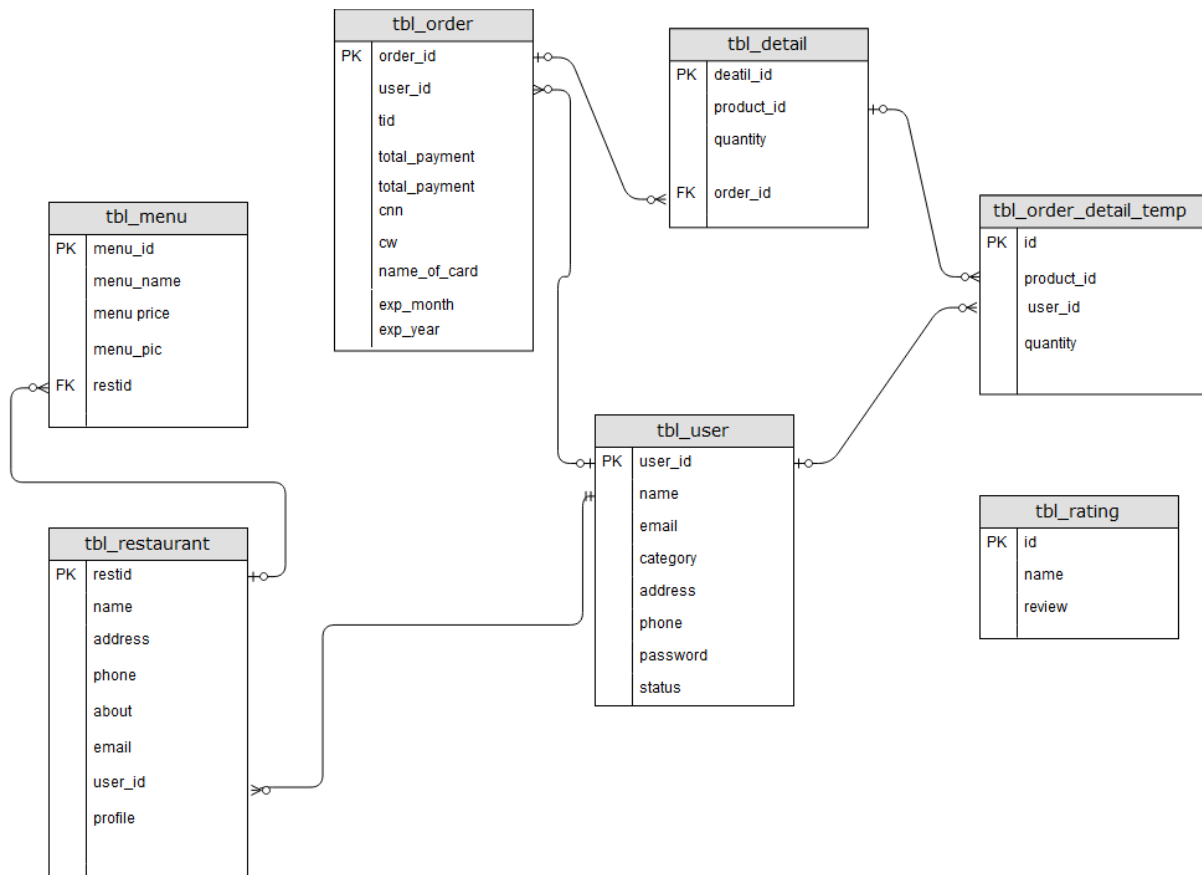


Figure 37 ERD

13.0 References

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