# **Introduction**

Milktea Shop is a milk tea shop specializing in selling milk tea, refreshing drinks, fast food. The main customers that it serves is students. When coming to the shop, customers will order food and have their own seat that they like then enjoy their drinks.

But recently, the number of customers is increasing. The shop manager feels difficult to record and manage the invoice and revenue of the shop and employees cannot write lots of order bill every day. So, they want to have a system can help them to manage their shop, help customers cant order bill simpler and employees don’t do too much work.

The system will provide fuctions:

* Customer can order food, select their table thay they lioke then pay at cashier
* Customer can register and log into system or enter discount code to receive the offer from shop
* Employee and manager must log in to use system.
* Employee can manage order bills in every table foods, manage status of table food, and food
* Manager can manage bills; manage employee, account and income of shop.
* Manage include view insert, update, drop action. But employee cannot drop or update anything. The order bill can not drop when customer has paid. It can only be canceled when in the order process

Beside that:

* The system must run smoothly, without errors from the system side.
* Fast execution speed, serving the crowded customer flow

# **List of inputs to system**

* Information
  + Id
  + Fullname
  + Gender
  + Birthday
  + Address
  + Phone
  + Email
* Account
  + Id
  + Name
  + Password
  + Information Id
* Roll
  + Id
  + Name
* Account Roll
  + Id
  + Account Id
  + Roll Id
* Table Food
  + Id
  + Status
  + X
  + Y
* Category
  + Id
  + Name
* Food
  + Id
  + Name
  + Category Id
  + Status
* Discount
  + Id
  + Name
  + Sale
* Bill
  + Id
  + Table Food Id
  + Account Id
  + Discount
  + Checkin
  + Checkout
* Bill\_details
  + Id
  + Bill Id
  + Food Id
  + Quanlity

# **List of output expected from the system**

* Display information about customer
* Display information about employee
* Display information about food, table food
* Display information about bill and bill details

# **Overview of processes involved in the system**

* Manage income of shop
* Manage information of food, bill, table
* Manage employees and customers

# **Hardware and sortware required for implementing the project**

|  |  |  |
| --- | --- | --- |
|  | Hardware | Sortware |
| Client | * CPU Core i3 3th or higher * HDD 256gb or higher * Ram 4gb or higher | * Window 10 * Java 11.0.4 * SQL Server 2016 |
| Sever |  |  |

# **Customer’s Acceptance Criteria**

|  |  |
| --- | --- |
| S.No | Customer’s Acceptance Criteria |
| 1 | Display information detail of bill, order bill, foods |
| 2 | Employee can |
| 3 | Employee view order bills in every table foods, , and foods |
| 4 | Employee view order status of table food |
| 5 | Employee view order status of food |
| 6 | Manager can view insert, update, drop employee |
| 7 | Manager can view insert, update, drop account |
| 8 | Manager can view insert, update, drop employee, account and |
| 9 | System has revenue statistics fuction of shop |
| 10 | Customer can order food and select table food |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Project**  **Ref.No:** | **Project**  **Type** | **Plan prepared By: Dao Minh Trung Thuan** | | **Date of Preparation of Activity plan:** | | |
| **Task sub division** | **Description** | **Planned Start Date** | **Actual**  **Start Date** | **Actual Days** | **Team Member Names** | **Status** |
| Form No 1 | Problem Definition  Document | 9-10-2019 | 9-10-2019 | 1 |  | 100% |
| Form No 2A | CRS | 9-10-2019 | 9-10-2019 | 1 |  | 100% |
| Form No 2B | CRS/Customer Acceptance Criteria | 9-10-2019 | 9-10-2019 | 1 |  | 100% |
| Form No 3 | Project Plan | 9-10-2019 | 9-10-2019 | 5 |  | 100% |
| Form No 4 | GUI Standards Document | 3-11-2019 | 3-11-2019 | 3 |  | 100% |
| Form No 5 | Interface Design Document | 9-10-2019 | 9-10-2019 | 1 |  | 100% |
| Form No 6 | Table Design  Document | 9-10-2019 | 9-10-2019 | 1 |  | 100% |
| Form No 7 | Process Design Document | 9-10-2019 |  | 10 |  | 100% |
| Form No 8 | Coding Standards  Document | 9-10-2019 |  | 15 |  | 100% |
| Form No 9 | Task Sheet | 9-11-2019 | 9-11-2019 | 5 |  | 100% |
| Form No 10 | Testing Document | 3-11-2019 | 3-11-2019 | 3 |  | 100% |
| Form No 11 | Project Review | 26-11-2019 | 26-11-2019 | 1 |  | 100% |
| Form No 12 | Final Check List | 26-11-2019 | 26-11-2019 | 1 |  | 100% |

# **Task sheet**