|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | US-002 | | | |
| Use Case Name | Payment | | | |
| Created By | Phornthep Chooleat | | Last Update By | Phornthep Chooleat |
| Date Created | 22/04/2017 | | Last Revision Date | 25/04/2017 |
| Actors | Cashier. | | | |
| Description | Customer request cashier to pay a bill. | | | |
| Trigger | User select Payment button. | | | |
| Preconditions | 1. User mush logged in into the system. 2. Customer want to pay a bill. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| orderId | int | Numerical of 3 digit. | | 001 |
| amountOfMoney | double | Numerical more than 4 digit and less than 7 digit. (Including faction number) | | 200.00 |
| Post conditions | 1. System record the transaction into the database and delete order id in the requesting order. 2. System provide print invoice page to user. | | | |
| Normal Flows | User | | System | |
|  | 1. User select payment button in the menu. 2. User in put order id to the system. 3. User select confirm payment. 4. User select payment method as cash. 5. User input amount of money received from customer.   18.User select confirm. | | 1. System request order id from user. 2. System check the order id that received from user. 3. System show amount of value to the user. 4. Provide confirm payment page to user. 5. System request type of payment (credit, cash) from user. 6. System request amount of money from user. 7. System check the input. 8. System calculate the change. 9. System show amount of change to user. 10. System open the money tray. 11. System provide receive money page to user. 12. System ask the user to close the money tray.   19.System close the money tray.  20.System record the transaction to the data base.  21.System provide print invoice   page to user. | |
| Alternative Flow | 1. In the activity 4 of Normal flow, if user input wrong order id system will provide “Wrong id or not have this id in the system” Message to user and system back to the activity 2 in Normal flow. 2. In the activity 7 of Normal flow, if user do not confirm system will provide the main menu page to user. 3. In the activity 12 of Normal flow, if user input incorrect input system will provide “Wrong input please input it again.” Message to user and system back to the activity 10 in Normal flow. 4. In the activity 18 of Normal flow, if user do not confirm after 3-minute system will provide “Automatically close money tray because money tray had opened more than 3-minute.” Message to user and system ask user to login to open the money again. 5. In the activity 9 of Normal flow, if user select payment method as credit system will provide credit payment to user.    1. System request credit card from user.    2. User input the credit card to credit card machine.    3. System Check the permission from the bank.    4. System subtract amount of bill in the credit card.    5. System print receipt to the user.    6. System do the activity 20 in the Normal flow. 6. In the activity 6.3. of Alternative flow, if the bank does not allow system to do the payment system provide “Can’t pay by credit card please use another payment method.” Message to user and back to the activity 7 in the Normal flow. | | | |
| Exception Flow | User press the cancel button. | | | |
| Assumption | 1. User understand English. 2. Cashier machine have change for user. | | | |