**Restaurant Management System**

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**Version: \_\_\_1.1\_\_\_\_\_\_\_**

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| **USE CASE NAME:** | Pay Bill | | **USE CASE TYPE** |
| **USE CASE ID:** | 9 | | **Business Requirements: 🗹** |
| **PRIORITY:** | High | |  |
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| **PRIMARY BUSINESS ACTOR:** | Customer | | |
| **OTHER PARTICIPATING ACTORS:** | Waiter | | |
| **SHORT DESCRIPTION:** | In this case, the customer pays their bill. | | |
| **PRE-CONDITION:** | The customer has completed their meal. | | |
| **TRIGGER:** | The customer wants to leave after completing their meal. | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: Customer taps ‘pay bill’ on the tablet. | **Step 2**: System asks the method of payment: cash or card | |
|  | **Step 3:** Customer selects cash payment option | **Step 4:** System calls a waiter to collect cash payment and bring change if any. System waits for waiter to mark transaction as completed. | |
|  | **Step 5:** Waiter marks transaction as completed on the tablet. | **Step 6:** System confirms payment and displays a thank you message for customer. | |
|  | **Step 7:** Customer selects card payment after step 2. | **Step 8:** System directs user to card payment portal. | |
|  | **Step 9:** Customer fills their card details | **Step 10:** System displays confirmation message and transaction is complete. System gives a thank you message. | |
| **ALTERNATE COURSES:** | **Alt-Step 5:** Waiter informs customer that the cash given was less than the bill. Customer pays whatever is left and transaction is completed.  **Alt-Step 10:** System displays failure message. Use case goes back to step 2. | | |
| **CONCLUSION:** | The case is concluded at the payment of the bill. | | |
| **POST-CONDITION:** | The system keeps a log of the payment in the database. | | |
| **BUSINESS RULES:** | NA | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | You can pay with only one card. | | |
| **ASSUMPTIONS:** | Staff is available and trained | | |
| **OPEN ISSUES:** | 1. In the case of an outage or a database issue, there could be some work done on a smaller temporary database that has an emergency power source so we are still able to serve customers | | |