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| **Use Case ID:** | UC\_43 | | | |
| **Use Case Name:** | Transaction Processing | | | |
| **Created By:** | Arvind Kumar Agrahari | | **Last Updated By:** | Arvind Kumar Agrahari |
| **Date Created:** | 28-03-2019 | | **Last Revision Date:** | 28-03-2019 |
| **Actors:** | | Customer (Primary) | | |
| **Description:** | | The main reason of this module is to purchase some item from Capstore. If a customer want to purchase item from Capstore then he need some interface for payment processing.  The outcome of that module is to deduct the balance from user’s account and update the revenue of Capstore. | | |
| **Trigger:** | | When the customer provide payment details to this system an interface will be triggered and this use case will be executed. | | |
| **Preconditions:** | | 1. Capstore require the payment details form customer.  2. There should be good connection of internet for payment processing. | | |
| **Postconditions:** | | 1. After successful payment processing the given amount is deducted from customer’s bank account.  2. After this successful transaction the revenue should be updated of Capstore. | | |
| **Normal Flow:** | | 1. Customer want to purchase some item from Capstore.  2. He / She add there payment details based on the mode of purchase i.e. via online banking or through credit/debit card or through cash on delivery.  3. An interface will triggered for payment processing and commit the transaction.  4. The bill amount will be deducted from the customer’s bank account.  5. Transaction details should be saved to the Capstore’s database.  6. Calculating the revenue of Capstore.  7. Update the Capstore revenue. | | |
| **Alternative Flows:** | | 1. If there some necessary payment details is missing then payment will be unsuccessful and exception will be generated.  2. If internet is slow or unavailable then it will be exception will be generated and go back. | | |
| **Exceptions:** | | 1. If there is no account found for given credential then it show the exception that not a valid payment details.  2. If transaction is not successful then show the exception that transaction is not committed successfully. | | |
| **Includes:** | | None | | |
| **Frequency of Use:** | | 200 per hour | | |
| **Special Requirements:** | | Paypal REST API | | |
| **Assumptions:** | | Customer should have basic knowledge about of online transaction processing. | | |
| **Notes and Issues:** | | Internet connection should be proper and payment details should be valid. | | |