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| **Use Case ID:** | 22 | | | |
| **Use Case Name:** | Generate Coupons | | | |
| **Created By:** | AMAN RAJ | | **Last Updated By:** |  |
| **Date Created:** | 28/03/2019 | | **Last Revision Date:** |  |
| **Actors:** | | Admin | | |
| **Description:** | | A unique coupon will be generated by the Admin by simply clicking on Generate Coupons button. Coupons will be alphanumeric and hold the percentage of discount. Coupons will be stored as key-value pair where key is coupon number and value is the discount. Coupon code length will be 8 where 4 are digits and 4 are alphabets.  For each product category there will be particular coupons. | | |
| **Trigger:** | | When Admin wants to generate coupons. | | |
| **Preconditions:** | | Each coupon will have a unique code, discount percentage and duration/validity of coupon. | | |
| **Postconditions:** | | Coupons will be stored in the database that can be used by the customers to avail discount. If there is an unused coupon, it will be deleted after its expiry date/valid time. | | |
| **Normal Flow:** | | 1. Admin clicks on Generate Coupons link.  2. Admin will be directed to Generate Coupons page.  3. Admin decides the number of coupons to be generated.  4. Coupons will be generated and stored as key-value pair in database along with its discount percentage. | | |
| **Alternative Flows:** | |  | | |
| **Exceptions:** | | 1. Each coupon should have a unique discount percentage.  2. Expiry date of a coupon should be valid. | | |
| **Includes:** | | Admin login | | |
| **Frequency of Use:** | | Frequently | | |
| **Special Requirements:** | | Requires a random function that generates a unique 4 digit number. | | |
| **Assumptions:** | | Coupon code length should be 8 and it should be alphanumeric. | | |
| **Notes and Issues:** | | Alphabets can be in Upper Case as well as in Lower Case. No special characters are allowed. Spaces are not allowed. | | |