

TEST SCENARIOS

Problem:

Write all the possible test scenarios **“To apply Promo code”**. Promo code will give a discount of 30% (on the total billing amount) to the new user once applied on a minimum transaction of Rs. 1000 and above. Below are some specifications for the promo code:

Promo: NEW30

Character limit: 7

Maximum cap: Rs. 300

Assumptions:

- Promo code is not case sensitive.
- Code can be applied to all products/services/events.
- Promo code cannot be clubbed with any other discount/offers, excluding Bank/Card/Wallet/Payment offers.
- Promo code does not have an expiry date.
- Error/warning messages will be displayed for the following as BAU: Incorrect/invalid promo code, Update cart items to total 1000 in order to avail discount, Code already redeemed, Code cannot be clubbed with any other discount/offers, Code applicable only for new users.
- System behavior will be consistent for mobile and web applications.

Test Scenario 1 – Check for new user

- Check system behavior when new user creates a new account and applies promo code(NEW30)
- Check system behavior when user with an account existing for a while returns to complete their first transaction.

Test Scenario 2 – Check for existing user

- Check that error message (Code applicable only for new users) is displayed when existing user uses the promo code and should be unable to apply it to the cart.

Test Scenario 3 – Check for character limit of the code and invalid codes

- Check system behavior when new user enters the promo code correctly but in lower case or partially lower case as long as it reads NEW30 (should be accepted and offer should be applied).
- Check system behavior when new user enters incorrect promo code e.g. NEW3, NEW300, NEW3000, NEW30000 (should give an error message: Invalid Code).
- Check that user cannot enter promo code longer than 7 characters, field should get completely populated and not accept any more characters.
- Check that user should be able to clear the code and re-apply it in the same transaction.

Test Scenario 4 – Check for minimum transaction amount

- Check system behavior when user's total transaction amount is 999 and tries to apply the promo code (should display message: Update cart items to 1000 in order to avail discount).
- Check system behavior when user's total transaction amount is 1000 and tries to apply the promo code (should be allowed to apply the code).
- Check system behavior when user's total transaction amount is 1001 and tries to apply the promo code (should be allowed to apply the code).

- Check system behavior when user's total transaction amount is anything greater than 1000 and tries to apply the promo code (should be allowed to apply the code).

Test Scenario 5 – Check for maximum cap

- Check the discount amount (300) gets calculated correctly for min amount of 1000.
- Check discount amount should stay constant at 300 no matter the cart total if above 1000.

Test Scenario 6 – Check for promo code clubbing with other discounts and instances where it is already consumed

- Check system behavior when user tries to apply promo code on items with existing discount (should not be allowed, message displayed: Code cannot be clubbed with any other discount/offers).
- Check system behavior when user already redeemed the code in first transaction and proceeds for a second transaction in the same session (should not be allowed, message displayed: Code already redeemed).

Test Scenario 7 – Check for promo code retention after navigation and cart updates

- Check system behavior when user navigates back to home page or any other page after applying the promo code. Discount should be applied and retained when the user lands on the cart without updating the cart items.
- Check system behavior when user updates the cart items to lower its value below 1000 after applying promo code. The discount should get cleared, message displayed: Update cart items to total 1000 in order to avail discount.
- Check system behavior when user has already applied the promo code and proceeds to add another item with a discount/offer. The promo code should be cleared and message should be displayed stating 'Code cannot be clubbed with any other discount/offers'.
- Check system behavior when user tried to apply the promo code to their cart total of below 1000 and then updates the items to bring the total to 1000 or above. User should be able to successfully apply the code after updating the cart total to 1000 or above.

Test Scenario 8 – Check functionality for network drops and network latency

- Check system behavior when the network drops after applying the promo code, especially triggered APIs. System should function as BAU even after updates have been made at the backend once the network returns.
- Check that user should be able to re-use the code if payment of the first transaction fails due to network or other API related issues.

Test Scenario 9 – Check backend calls and DB updates

- Check that the data is being correctly sent in the API calls and DB is updated being accordingly.
- Check data consistency in impacted and related APIs.

Test Scenario 10 – Check payment calls

- Check that discount and updated amount is being reflected correctly on the payments page.
- Check system behavior when user chooses a payment method that provides additional discount. User should be able to club the two offers and complete the payment successfully.
- Check system behavior when user applies promo code and payment fails due to incorrect payment details or timeout or network issues. User should be able to apply promo code when they return for another transaction next time.