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| EXPERIMENT NO. 5 | | | | | | | |
| PERFORMANCE TESTING | | | | | | | |
| LOAD TESTING | | | | | | | |
| TEST CASE ID | **TEST CASE DESCRIPTION** | **PRE CONDITION** | **STEPS** | **INPUT DATA** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS** |
| TC-A | **When a new product is launched** | **Website should be operational** | **Simulate a large number of users attempting to purchase the newly launched product simultaneously** | **N/A** | **The website should perform seamlessly and handle the increased load without any issues** | **The website performs seamlessly and handles the increased load without any issues** | **PASS** |
| TC-B | **When a discount is applied to a specific product.** | **Website should be operational** | **Simulate a large number of users attempting to purchase the newly launched product simultaneously** | **N/A** | **The website should perform seamlessly and handle the increased load without any issues** | **The website performs seamlessly and handles the increased load without any issues** | **PASS** |
| STRESS TESTING | | | | | | | |
| TC-C | **When a product is nearing its out-of-stock status and a large number of users attempt to purchase it** | **Website should be operational** | **large no. of users attempt to purchase the product which is going to be out of stock** | **N/A** | **The website should work and handle the stress easily** | **The website operates continuously without crashing.** | **PASS** |
| SOAK TESTING | | | | | | | |
| TC-D | **Verify the website's functionality during mega sale periods.** | **Website should be operational** | **Simulate bulk of users using the website simultaneously** | **N/A** | **The website should function continuously without getting crashed** | **The website operates continuously without crashing.** | **PASS** |
| SPIKE TESTING | | | | | | | |
| TC-E | **Verify the website's functionality during a Big Billion Days or Black Friday sale.** | **Website should be operational** | **Simulate bulk of users attempting to access the website at once** | **N/A** | **The website should be accessible to everyone.** | **The website is accessible to everyone.** | **PASS** |