

Black box testing online banking system

Sample test case

Expected result

Actual result

Sample test cases

For Admin

- Verify Admin login with valid and Invalid data
- Verify admin login without data
- Verify all admin home links
- Verify admin change password with valid and invalid data
- Verify admin change password without data
- Verify admin change password with existing data
- Verify admin logout

For new Branch

- Create a new branch with valid and invalid data
- Create a new branch without data
- Create a new branch with existing branch data
- Verify reset and cancel option
- Update branch with valid and invalid data
- Update branch without data
- Update branch with existing branch data
- Verify cancel option
- Verify branch deletion with and without dependencies
- Verify branch search option

For New Role

- Create a new role with valid and invalid data
- Create a new role without data
- Verify new role with existing data
- verify role description and role types
- Verify cancel and reset option
- Verify role deletion with and without dependency
- verify links in role details page

For customer & Visitors

- Verify all visitor or customer links
- Verify customers login with valid and invalid data
- Verify customers login without data
- Verify banker's login without data
- Verify banker's login with valid or invalid data

For New users

- Create a new user with valid and invalid data
- Create a new user without data
- Create a new user with existing branch data
- Verify cancel and reset option
- Update user with valid and invalid data
- Update user with existing data
- Verify cancel option
- Verify deletion of the user

Risk analysis inventory management

Risk

Probability

Impact 1-4

Mitigation plan

Excess consumption - unexpected changes in day-to-day manufacturing end up generating excess consumption of many items, not only of inputs, but often in the consumption of spare parts, during the performance of preventive

maintenance, for example, the maintenance ends up finding some problems at the moment that some sub-parts of the machines open and the need arises to change all the parts because of some unexpected anomaly.

- Control of Perishable Materials - the current system does not allow perishable materials to be managed by the due date. Then, an Excel spreadsheet tracking job is done to prevent material from being overdue and at the time of need cannot be used.
- Excess inventory - variations in demand may cause shortage of materials as well as surplus stocks may occur, as they end up generating incorrect consumption prospects, this is the case with materials linked to production, such as packaging, since each type of product has packaging and depending on the order backlog the quantities will vary. When demand declines, stocks become surplus.
- Outdated parameters - failure to revise inventory parameters or even sudden change in material consumption can leave minimum and maximum inventories outdated.
- Stock obsolescence - when a product ceases to be useful, even when it is in perfect working order.
- Supplier delay - the supplier delivers after the stipulated deadline.
- Nonconformity resolution time - when the time taken to resolve a non-compliance exceeds the expected time.
- Reference change / update - being a very large company and already over 30 years old, and so part of the old machinery, many items undergo change / change of reference, as it is not possible to receive anything out of specification, it is necessary consult the user of the material to evaluate if the change in the registration of the item can be made.
- Inventory divergence - happens when the amount of material is different than the one entered in the system, which can be higher or lower.
- Lack of labeling on items / shelf - although not frequently occurring, this problem can cause considerable financial impact, since a material can be shipped incorrectly and cause production to be damaged.
- Incorrect confirmation / cancellation of requisitions - undue confirmations or cancellations of requisitions may occur which may lead to divergences of stock. When the attendant or user checks the error, for undue confirmations a return of the material is made and for the cancellations, the users redo the requisition of the material upon the request of the service of the warehouse. Errors when not immediately verified are detected by the cyclic inventory.
- Inventory nonconformity - some factors contribute to this risk, among them is the low turnover of items made from some materials that react with the weather or even some damage caused in the handling, but only perceived at the time of use.

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