Implementation of E-commerce workflows using Apache OFBiz ERP

Test Case Specification and Testing

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Test Strategy:

- **Black box Testing**

Testing the functionality of a component without considering it's internal structure or working

- **Validation Testing**

Testing to validate the final result system give after finalizing with one workflow

- **Integration Testing**

Testing the whole of system workflows as one integrated unit which should be correct when a product created till when it delivered to the customer.

- **Security Testing**

Checking the credentials and security of the database.

- **Installation Testing**

the system can be installed on the customer platform.

- **Configuration Testing**

verify the system works correctly in different configurations.

Black box Testing:

- Giving wrong .xml files as inputs for products
- Uploading an image where we should import .xml files

Validation Testing:

- Try to create catalogs or categories or products with the existing ID
- Try to convert wrong structured .xml report files to RDF format to test whether tools works fine or not

Security Testing:

- Try to pass through database using SQL injection and failed to enter with modified password.
- Credential testing.

Integration Testing:

- The end to end testing was done which included all the three workflows and then generating the report and thereafter the linked data was generated.