

INVENTORY MODULE

Inventory Stock

TC ID	Scenario	Preconditions	Steps	Expected Result
IS_UI_01	Verify table headers	-	Open Inventory Stock page	Columns appear: Material Name, Product Code, Material Type, UOM, Stock
IS_UI_02	Verify search bar visibility	-	Observe UI	Search bar is visible above table
IS_SRCH_01	Search valid term	-	Enter 'fiber'	Rows containing 'fiber' displayed
IS_SRCH_02	Search partial match	-	Enter 'fi'	Partial matches appear
IS_SRCH_03	Search no match	-	Enter 'zzzzz'	'No data found' message shows
IS_SRCH_04	Search special characters	-	Enter '@#\$\$%'	No crash, safe error state
IS_FILT_01	Filter by Material Type	-	Select 'Cable'	Only cables shown
IS_FILT_02	Filter by Stock Area	-	Select 'Test Warehouse 2'	Filtered list updates
IS_FILT_03	Combine search + filter	-	Search 'fiber' + filter 'Component'	Correct intersection result
IS_API_01	API call check	-	Open Network tab → reload	GET /materials? appears with correct params
IS_API_02	API fail handling	Turn off internet	Reload page	Error toast appears
IS_PAG_01	Pagination – next	More than 10 rows	Click Next	Moves to next page
IS_PAG_02	Pagination – limit change	-	Change from 10 to 20 rows	20 rows shown

Add Inward

TC ID	Scenario	Preconditions	Steps	Expected Result
AI_UI_01	Verify required fields marked	-	Observe form	Invoice Number, Party Name, Stock Area marked mandatory
AI_VAL_01	Invoice Number required	-	Leave empty → Save	Validation message appears
AI_VAL_02	Invoice number invalid pattern	-	Enter '@@!!'	Error shown
AI_VAL_03	Party Name required	-	Leave empty → Save	Validation error appears
AI_VAL_04	Stock Area required	-	Do not select → Save	Validation error
AI_DD_01	Stock Area dropdown loads	-	Open dropdown	Data list appears from API
AI_ITEM_01	Add material	-	Open Add Material popup → fill required → Save	Row appears in items table
AI_ITEM_02	Invalid quantity	-	Enter 'abc'	Validation error
AI_FILE_01	Upload document	-	Choose file	File name appears in list
AI_API_01	Verify payload	-	Save entry → check network tab	POST /inward with FormData contains: date, invoiceNumber, partyName, stockAreaId, items[]
AI_API_02	API failure	Disable network	Click Save	Error toast
AI_FUNC_01	Save success	-	Fill all fields → Save	Inward saved + success toast

Inward List

TC ID	Scenario	Preconditions	Steps	Expected Result
IL_UI_01	Verify table headers	-	Observe list page	Shows GRN No, Invoice No, Party, Status, Actions
IL_SRCH_01	Search by invoice no	-	Enter invoice no	Matching rows appear
IL_SRCH_02	Search by party name	-	Enter party	Filtered results shown
IL_FILT_01	Filter by status	-	Select Draft / Completed	List updates
IL_DATE_01	Filter by date range	-	Select From + To	Filtered list shows
IL_ACT_01	View record	-	Click View icon	Detail page opens
IL_ACT_02	Edit record	-	Click Edit	Edit page opens
IL_ACT_03	Delete record	-	Click Delete → Confirm	Record removed
IL_API_01	Correct API call	-	Observe Network on filter	GET /inward?page=&limit=&status=

Material Request

TC ID	Scenario	Preconditions	Steps	Expected Result
MR_UI_01	Required fields marked	-	Observe form	From Stock Area, Request Date, Requestor, Service Area mandatory
MR_VAL_01	Missing required fields	-	Click Save with empty fields	Validation errors show
MR_ITEM_01	Add MR item	-	Click Add Item → select material → qty → save	Item row added
MR_ITEM_02	Invalid quantity	-	Enter letters	Validation triggers
MR_PR_01	Add PR numbers	-	Add PR number entry	Row appears
MR_FILT_01	Filter MR list by	-	Select Pending	Filtered list

	status		/ Approved / Rejected	
MR_SRCH_01	Search MR	-	Enter ticket or MR no	Matching rows
MR_ACT_01	Approve MR	-	Click Approve	Status becomes Approved
MR_ACT_02	Reject MR	-	Click Reject → add reason	Status becomes Rejected
MR_API_01	Create MR payload check	-	Observe POST /material- request	Payload includes: items[], pr_numbers[], requestDate

Stock Transfer

TC ID	Scenario	Preconditions	Steps	Expected Result
ST_UI_01	Verify transfer form fields	-	Open create transfer form	Slip No, Date, Transfer Type required
ST_VAL_01	Slip number required	-	Leave empty → Save	Validation error
ST_VAL_02	Duplicate slip number	-	Enter existing slip	Backend validation fails
ST_ITEM_01	Add transfer item	-	Add item → save	Row appears
ST_SRCH_01	Search transfer	-	Enter slip number	Filtered results
ST_FILT_01	Filter by type	-	Select Transfer Type	List updates
ST_ACT_01	View transfer	-	Click eye icon	Details modal appears
ST_ACT_02	Export transfers	-	Click Export	File downloaded
ST_ACT_03	Print transfer	-	Click Print	Print preview opens
ST_API_01	Verify API on save	-	Observe POST /transfer	Correct payload sent

Person Stock

TC ID	Scenario	Preconditions	Steps	Expected Result
PS_UI_01	Verify dropdown	-	Open status dropdown	Shows Available, Faulty, Consumed
PS_SRCH_01	Search by serial	-	Enter serial number	Matching items appear
PS_FILT_01	Filter by status	-	Select Faulty	Faulty items appear
PS_TICK_01	Filter by ticket	-	Select ticket	Shows only items under selected ticket
PS_API_01	API param validation	-	Observe GET /person-stock?userId=&status=	Params correctly sent

Record Consumption

TC ID	Scenario	Preconditions	Steps	Expected Result
RC_UI_01	Verify form fields	-	Open page	Customer Data, Date, Items mandatory
RC_VAL_01	Missing fields	-	Leave empty → Save	Validation errors
RC_ITEM_01	Add consumption item	-	Add material + qty	Item added
RC_DEL_01	Delete consumption record	Record exists	Click delete → confirm	Record deleted
RC_API_01	Create consumption API check	-	Observe POST /consumption	Correct payload sent

Return Stock

TC ID	Scenario	Preconditions	Steps	Expected Result
RS_UI_01	Verify return reasons	-	Open reasons dropdown	Options: Unused, Faulty, Cancelled
RS_VAL_01	Required fields	-	Save empty form	Validation errors
RS_ACT_01	Create return request	-	Fill → Save	Request created
RS_SRCH_01	Search return requests	-	Enter request no	Filtered list
RS_FILT_01	Filter by status	-	Select Approved / Rejected	List updates
RS_ACT_02	Reject return request	-	Click Reject → reason	Status becomes Rejected
RS_API_01	Return request API check	-	Observe POST /return-stock	Correct payload sent