AllUser-StateTransitions								
TC#	Page	Area / Section	Field / Control	Current State	Test Data	Event / Trigger	Next State	Expected Result (detail)
UL01	All Users – List	User List	Number of Users	User List page loaded	0 users	Filtering Results	Error state Page	"No data / No users found"
UL02	All Users – List	User List	Number of Users	User List page loaded	1 user	Filtering Results	1 Expected result Page	Exactly 1 row displayed
UL03	All Users – List	User List	Number of Users	User List page loaded	10 users	Filtering Results	10 Expected result Page	10 rows displayed; no next page link.
UL05	All Users – List	User List	Number of Users	User List page loaded	11 users	Filtering Results	10 Expected result Page + Next Page with 1 Additional attempt	10 rows displayed; 1 next page link.
UL06	All Users – List	Search	Search text	User List page loaded	Leave Search box blank, press Enter / click icon	User performs action / enters data as per Test Data: Leave Search box blank, press Enter / click icon	List navigated / paginated as per expected result	List shows default set (first page of all users); no filter applied.
UL07	All Users – List	Search	Search text	User List page loaded	Type "J" and search	User performs action / enters data as per Test Data: Type "J" and search	See Expected Result	Returns all users whose name / email / username contains "J"; case-handling as per spec.
UL08	All Users – List	Search	Search text	User List page loaded	Type max allowed characters (e.g., 255) and search	User performs action / enters data as per Test Data: Type max allowed characters (e.g., 255) and search	Operation succeeds (record saved or list shown as expected)	System accepts input, performs search; no truncation error / crash.
UL09	All Users – List	Search	Search text	User List page loaded	Paste text longer than max	User performs action / enters data as per Test Data: Paste text longer than max	See Expected Result	Field prevents extra characters OR shows validation message; search not executed with invalid length.
UL10	All Users – List	Search	Search text	User List page loaded	Search using "@#%_" – mixed string	User performs action / enters data as per Test Data: Search using "@#%_" – mixed string	See Expected Result	No crash or SQL / JS error; either matches correctly or shows "No results found".
UL11	All Users – List	Search + Pagination	Combined boundary	User List page loaded	Term that matches no users	User performs action / enters data as per Test Data: Term that matches no users	List navigated / paginated as per expected result	Grid shows "No users found"; pagination hidden/disabled; export handles empty result.
UL12	All Users – List	Search + Pagination	Combined boundary	User List page loaded	Term that returns exactly 10 users	User performs action / enters data as per Test Data: Term that returns exactly 10 users	List navigated / paginated as per expected result	10 rows, no next-page; paging consistent with filtered set.
UL13	All Users – List	Show entries	Page size selector	User List page loaded	Change "Show entries" to smallest value (e.g., 10) with >10 users	User performs action / enters data as per Test Data: Change "Show entries" to smallest value (e.g., 10) with >10 users	Operation succeeds (record saved or list shown as expected)	Only that many rows shown; pagination updated accordingly.
UL14	All Users – List	Show entries	Page size selector	User List page loaded	Change "Show entries" to largest value (e.g., 100)	User performs action / enters data as per Test Data: Change "Show entries" to largest value (e.g., 100)	List navigated / paginated as per expected result	Up to 100 users listed; if fewer exist, all shown on a single page.
UL15	All Users – List	Status badge	Status values	User List page loaded	Have at least one user for each status: Active, Suspended, Pending, Expired, Deleted, Blocked	User performs action / enters data as per Test Data: Have at least one user for each status: Active, Suspended, Pending, Expired, Deleted, Blocked	See Expected Result	Correct badge text and color shown for each; no status renders as plain text or breaks layout.
UL16	All Users – List	Name column	Text length	User List page loaded	User with first name = "J", last name = "S"	User performs action / enters data as per Test Data: User with first name = "J", last name = "S"	See Expected Result	Name column displays correctly without layout break.
UL17	All Users – List	Name column	Text length	User List page loaded	User whose name length = max allowed	User performs action / enters data as per Test Data: User whose name length = max allowed	See Expected Result	Name is shown or neatly truncated with tooltip / ellipsis; row height remains consistent.
UL18	All Users – List	Avatar	Image presence	User List page loaded	User without profile image	User performs action / enters data as per Test Data: User without profile image	See Expected Result	Default placeholder avatar is shown; no broken image icon.
UL19	All Users – List	Avatar	Image presence	User List page loaded	Avatar URL invalid or huge file size	User performs action / enters data as per Test Data: Avatar URL invalid or huge file size	List navigated / paginated as per expected result	Graceful fallback to placeholder or handled error; page still loads.
UL20	All Users – List	Actions – Edit	First / last row boundary	User List page loaded	Click pencil icon on top row and bottom row	User performs action / enters data as per Test Data: Click pencil icon on top row and bottom row	List navigated / paginated as per expected result	Navigates to correct user's edit page both times.
UL21	All Users – List	Actions – Delete	Boundary – confirmation	User List page loaded	Click trash icon, confirm deletion	User performs action / enters data as per Test Data: Click trash icon, confirm deletion	Operation succeeds (record saved or list shown as expected)	Row removed, count and pagination updated; can't access deleted user via edit.
UL22	All Users – List	Export (Excel/CSV/PDF)	Record count	User List page loaded	No users in list (or filtered to zero) then click each export	User performs action / enters data as per Test Data: No users in list (or filtered to zero) then click each export	See Expected Result	System generates empty but valid file (or disables export) without errors.
UL23	All Users – List	Export (Excel/CSV/PDF)	Record count	User List page loaded	Export when list has maximum allowed number of rows	User performs action / enters data as per Test Data: Export when list has maximum allowed number of rows	See Expected Result	File is generated successfully; size within limits; all rows present.
UL24	All Users – List	Role column	Text length	User List page loaded	Role name at max length (e.g., "Senior Regional Sales Representative …")	User performs action / enters data as per Test Data: Role name at max length (e.g., "Senior Regional Sales Representative …")	See Expected Result	Column displays or truncates cleanly without overlapping other columns.
UL25	All Users – List	Device/viewport	Horizontal space	User List page loaded	Resize browser to minimum supported width	User performs action / enters data as per Test Data: Resize browser to minimum supported width	See Expected Result	Table horizontally scrolls or adapts; no columns overlap, buttons remain clickable.

AllUser-DecisionTable							
Rule (TC#)	Page	Area / Section	Field	Condition (from Test Objective)	Input / Setup (from Test Data)	Expected Outcome Category	Detailed Expected Result
UL01	All Users – List	User List	Number of Users	Lower bound – 0 records	System has 0 users in DB	Reject / Do not proceed	Grid shows “No data / No users found”, no rows, no JS errors, export buttons disabled or export empty file.
UL02	All Users – List	User List	Number of Users	Lower bound – 1 record	System has 1 user	Navigate / Paginate	Exactly 1 row displayed, no pagination controls shown or pagination disabled.
UL03	All Users – List	User List	Number of Users	Page size boundary – exactly 10	System has 10 users; “Show 10 entries”	Navigate / Paginate	10 rows displayed; no next page link.
UL04	All Users – List	User List	Number of Users	Page size boundary – 10 + 1	System has 11 users; “Show 10 entries”	Navigate / Paginate	10 rows on page 1, 1 row on page 2; pagination controls visible and working.
UL05	All Users – List	User List	Number of Users	Upper bound – max supported users	Populate list with max allowed records (e.g., 10,000)	Accept / Proceed	List loads within acceptable time, pagination works, no UI break or memory error.
UL06	All Users – List	Search	Search text	Lower bound – empty search	Leave Search box blank, press Enter / click icon	Navigate / Paginate	List shows default set (first page of all users); no filter applied.
UL07	All Users – List	Search	Search text	Lower bound – 1 character	Type “J” and search	Other	Returns all users whose name / email / username contains “J”; case-handling as per spec.
UL08	All Users – List	Search	Search text	Upper bound – max length	Type max allowed characters (e.g., 255) and search	Accept / Proceed	System accepts input, performs search; no truncation error / crash.
UL09	All Users – List	Search	Search text	Upper bound invalid – length + 1	Paste text longer than max	Other	Field prevents extra characters OR shows validation message; search not executed with invalid length.
UL10	All Users – List	Search	Search text	Special characters boundary	Search using *@#%_'- mixed string	Other	No crash or SQL / JS error; either matches correctly or shows “No results found”.
UL11	All Users – List	Search + Pagination	Combined boundary	Search result count = 0	Term that matches no users	Navigate / Paginate	Grid shows “No users found”; pagination hidden/disabled; export handles empty result.
UL12	All Users – List	Search + Pagination	Combined boundary	Search result count = exactly page size	Term that returns exactly 10 users	Navigate / Paginate	10 rows, no next-page; paging consistent with filtered set.
UL13	All Users – List	Show entries	Page size selector	Lower bound option	Change “Show entries” to smallest value (e.g., 10) with >10 users	Accept / Proceed	Only that many rows shown; pagination updated accordingly.
UL14	All Users – List	Show entries	Page size selector	Upper bound option	Change “Show entries” to largest value (e.g., 100)	Navigate / Paginate	Up to 100 users listed; if fewer exist, all shown on a single page.
UL15	All Users – List	Status badge	Status values	Boundary – each allowed status	Have at least one user for each status: Active, Suspended, Pending, Expired, Deleted, Blocked	Other	Correct badge text and color shown for each; no status renders as plain text or breaks layout.
UL16	All Users – List	Name column	Text length	Lower bound valid – 1 char name	User with first name = “J”, last name = “S”	Other	Name column displays correctly without layout break.
UL17	All Users – List	Name column	Text length	Upper bound valid – max name length	User whose name length = max allowed	Other	Name is shown or neatly truncated with tooltip / ellipsis; row height remains consistent.
UL18	All Users – List	Avatar	Image presence	Lower bound – no avatar	User without profile image	Other	Default placeholder avatar is shown; no broken image icon.
UL19	All Users – List	Avatar	Image presence	Invalid / large avatar	Avatar URL invalid or huge file size	Navigate / Paginate	Graceful fallback to placeholder or handled error; page still loads.
UL20	All Users – List	Actions – Edit	First / last row boundary	Edit user in first and last row of page	Click pencil icon on top row and bottom row	Navigate / Paginate	Navigates to correct user’s edit page both times.
UL21	All Users – List	Actions – Delete	Boundary – confirmation	Delete user on first page and last page	Click trash icon, confirm deletion	Accept / Proceed	Row removed, count and pagination updated; can’t access deleted user via edit.
UL22	All Users – List	Export (Excel/CSV/PDF)	Record count	Export with 0 users	No users in list (or filtered to zero) then click each export	Other	System generates empty but valid file (or disables export) without errors.
UL23	All Users – List	Export (Excel/CSV/PDF)	Record count	Export with max users	Export when list has maximum allowed number of rows	Other	File is generated successfully; size within limits; all rows present.
UL24	All Users – List	Role column	Text length	Upper bound – long role name	Role name at max length (e.g., “Senior Regional Sales Representative …”)	Other	Column displays or truncates cleanly without overlapping other columns.
UL25	All Users – List	Device/viewport	Horizontal space	Boundary – narrow desktop width	Resize browser to minimum supported width	Other	Table horizontally scrolls or adapts; no columns overlap, buttons remain clickable.

AddUser-StateTransitions							
TC#	Page	Field / Control	Current State	Event / Trigger	Next State	Outcome Category	Expected Result (detail)
AU01	Add User	First Name	Add User form opened	User performs action / enters data as per Test Data: 1 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU02	Add User	First Name	Add User form opened	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU03	Add User	First Name	Add User form opened	User performs action / enters data as per Test Data: 5000 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU04	Add User	First Name	Add User form opened	User performs action / enters data as per Test Data: Nominal Name	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU05	Add User	Last Name	Add User form opened	User performs action / enters data as per Test Data: 1 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU06	Add User	Last Name	Add User form opened	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU07	Add User	Last Name	Add User form opened	User performs action / enters data as per Test Data: 5000 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU08	Add User	Last Name	Add User form opened	User performs action / enters data as per Test Data: Nominal Name	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU09	Add User	Email	Add User form opened	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU10	Add User	Email	Add User form opened	User performs action / enters data as per Test Data: 1 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU11	Add User	Email	Add User form opened	User performs action / enters data as per Test Data: 88 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU12	Add User	Contact #	Add User form opened	User performs action / enters data as per Test Data: None	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU13	Add User	Contact #	Add User form opened	User performs action / enters data as per Test Data: 9 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU14	Add User	Username	Add User form opened	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU15	Add User	Username	Add User form opened	User performs action / enters data as per Test Data: 1 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU16	Add User	Username	Add User form opened	User performs action / enters data as per Test Data: 1000 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU17	Add User	Avatar	Add User form opened	User performs action / enters data as per Test Data: Uploaded	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU18	Add User	Avatar	Add User form opened	User performs action / enters data as per Test Data: Not Uploaded	Operation succeeds (record saved or list shown as expected)	Successful	User Created with Warning
AU19	Add User	Status	Add User form opened	User performs action / enters data as per Test Data: Active	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU20	Add User	Status	Add User form opened	User performs action / enters data as per Test Data: Blocked/ Deleted/ Expired/ Pending for approval/ Suspended	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU21	Add User	Role	Add User form opened	User performs action / enters data as per Test Data: Not Assigned	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU22	Add User	Role	Add User form opened	User performs action / enters data as per Test Data: Assigned	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU23	Add User	Password	Add User form opened	User performs action / enters data as per Test Data: Blank	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU24	Add User	Password	Add User form opened	User performs action / enters data as per Test Data: 5000 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU25	Add User	Password Confirmation	Add User form opened	User performs action / enters data as per Test Data: Blank	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU26	Add User	Password Confirmation	Add User form opened	User performs action / enters data as per Test Data: 5000 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU27	Add User	Password Confirmation	Add User form opened	User performs action / enters data as per Test Data: Password not matching	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU28	Add User	Password Confirmation	Add User form opened	User performs action / enters data as per Test Data: Password matching	Operation succeeds (record saved or list shown as expected)	Successful	User Created

AddUser-DecisionTable						
TC#	Page	Field	Condition	Input / Setup (from Test Data)	Expected Outcome Category	Detailed Expected Result
AU01	Add User	First Name	Test for Lower Bound valid	1 char	Accept / Proceed	User Created
AU02	Add User	First Name	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
AU03	Add User	First Name	Test for Upper Bound valid & Invalid	5000 char	Accept / Proceed	User Created
AU04	Add User	First Name	Test for Nominal	Nominal Name	Accept / Proceed	User Created
AU05	Add User	Last Name	Test for Lower Bound valid	1 char	Accept / Proceed	User Created
AU06	Add User	Last Name	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
AU07	Add User	Last Name	Test for Upper Bound valid & Invalid	5000 char	Accept / Proceed	User Created
AU08	Add User	Last Name	Test for Nominal	Nominal Name	Accept / Proceed	User Created
AU09	Add User	Email	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
AU10	Add User	Email	Test for Upper Bound valid & Invalid	1 Char	Accept / Proceed	User Created
AU11	Add User	Email	Test for Nominal	88 Char	Accept / Proceed	User Created
AU12	Add User	Contact #	Test for Lower Bound valid & Invalid	None	Accept / Proceed	User Created
AU13	Add User	Contact #	Test for Upper Bound valid & Invalid	9 Char	Accept / Proceed	User Created
AU14	Add User	Username	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
AU15	Add User	Username	Test for Upper Bound valid & Invalid	1 Char	Accept / Proceed	User Created
AU16	Add User	Username	Test for Nominal	1000 Char	Accept / Proceed	User Created
AU17	Add User	Avatar	Test for Lower Bound valid & Invalid	Uploaded	Accept / Proceed	User Created
AU18	Add User	Avatar	Test for Upper Bound valid & Invalid	Not Uploaded	Accept / Proceed	User Created with Warning
AU19	Add User	Status	Test for Lower Bound valid & Invalid	Active	Accept / Proceed	User Created
AU20	Add User	Status	Test for Upper Bound valid & Invalid	Blocked/ Deleted/ Expired/ Pending f	Accept / Proceed	User Created
AU21	Add User	Role	Test for Lower Bound valid & Invalid	Not Assigned	Reject / Do not proceed	User Creation failed with Warning
AU22	Add User	Role	Test for Upper Bound valid & Invalid	Assigned	Accept / Proceed	User Created
AU23	Add User	Password	Test for Lower Bound valid & Invalid	Blank	Reject / Do not proceed	User Creation failed with Warning
AU24	Add User	Password	Test for Upper Bound valid & Invalid	5000 Char	Accept / Proceed	User Created
AU25	Add User	Password Confirmation	Test for Lower Bound valid & Invalid	Blank	Reject / Do not proceed	User Creation failed with Warning
AU26	Add User	Password Confirmation	Test for Upper Bound valid & Invalid	5000 Char	Accept / Proceed	User Created
AU27	Add User	Password Confirmation	Test for Nominal Invalid	Password not matching	Reject / Do not proceed	User Creation failed with Warning
AU28	Add User	Password Confirmation	Test for Nominal valid	Password matching	Accept / Proceed	User Created

UpdateUser-StateTransitions

TC#	Page	Area / Section	Field / Control	Current State	Event / Trigger	Next State	Outcome Category	Expected Result (detail)
AU01	Update User	Basic Details	First Name	Update User form opened for existing user	User performs action / enters data as per Test Data: 1 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU02	Update User	Basic Details	First Name	Update User form opened for existing user	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU03	Update User	Basic Details	First Name	Update User form opened for existing user	User performs action / enters data as per Test Data: 5000 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU04	Update User	Basic Details	First Name	Update User form opened for existing user	User performs action / enters data as per Test Data: Nominal Name	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU05	Update User	Basic Details	Last Name	Update User form opened for existing user	User performs action / enters data as per Test Data: 1 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU06	Update User	Basic Details	Last Name	Update User form opened for existing user	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU07	Update User	Basic Details	Last Name	Update User form opened for existing user	User performs action / enters data as per Test Data: 5000 char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU08	Update User	Basic Details	Last Name	Update User form opened for existing user	User performs action / enters data as per Test Data: Nominal Name	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU09	Update User	Basic Details	Email	Update User form opened for existing user	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU10	Update User	Basic Details	Email	Update User form opened for existing user	User performs action / enters data as per Test Data: 1 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU11	Update User	Basic Details	Email	Update User form opened for existing user	User performs action / enters data as per Test Data: 88 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU12	Update User	Basic Details	Contact #	Update User form opened for existing user	User performs action / enters data as per Test Data: None	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU13	Update User	Basic Details	Contact #	Update User form opened for existing user	User performs action / enters data as per Test Data: 9 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU14	Update User	Basic Details	Username	Update User form opened for existing user	User performs action / enters data as per Test Data: None	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU15	Update User	Basic Details	Username	Update User form opened for existing user	User performs action / enters data as per Test Data: 1 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU16	Update User	Basic Details	Username	Update User form opened for existing user	User performs action / enters data as per Test Data: 1000 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU17	Update User	Basic Details	Avatar	Update User form opened for existing user	User performs action / enters data as per Test Data: Uploaded	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU18	Update User	Basic Details	Avatar	Update User form opened for existing user	User performs action / enters data as per Test Data: Not Uploaded	Operation succeeds (record saved or list shown as expected)	Successful	User Created with Warning
AU19	Update User	Basic Details	Status	Update User form opened for existing user	User performs action / enters data as per Test Data: Active	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU20	Update User	Basic Details	Status	Update User form opened for existing user	User performs action / enters data as per Test Data: Blocked/ Deleted/ Expired/ Pending for approval/ Suspended	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU21	Update User	Basic Details	Role	Update User form opened for existing user	User performs action / enters data as per Test Data: Not Assigned	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU22	Update User	Basic Details	Role	Update User form opened for existing user	User performs action / enters data as per Test Data: Assigned	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU23	Update User	Update Password	Password	Update User form opened for existing user	User performs action / enters data as per Test Data: Blank	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU24	Update User	Update Password	Password	Update User form opened for existing user	User performs action / enters data as per Test Data: 5000 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU25	Update User	Update Password	Password Confirmation	Update User form opened for existing user	User performs action / enters data as per Test Data: Blank	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU26	Update User	Update Password	Password Confirmation	Update User form opened for existing user	User performs action / enters data as per Test Data: 5000 Char	Operation succeeds (record saved or list shown as expected)	Successful	User Created
AU27	Update User	Update Password	Password Confirmation	Update User form opened for existing user	User performs action / enters data as per Test Data: Password not matching	Validation / error state shown; data not committed	Validation / Error	User Creation failed with Warning
AU28	Update User	Update Password	Password Confirmation	Update User form opened for existing user	User performs action / enters data as per Test Data: Password matching	Operation succeeds (record saved or list shown as expected)	Successful	User Created

Rule (TC#)	Page
AU01	Update User
AU02	Update User
AU03	Update User
AU04	Update User
AU05	Update User
AU06	Update User
AU07	Update User
AU08	Update User
AU09	Update User
AU10	Update User
AU11	Update User
AU12	Update User
AU13	Update User
AU14	Update User
AU15	Update User
AU16	Update User
AU17	Update User
AU18	Update User
AU19	Update User
AU20	Update User
AU21	Update User
AU22	Update User
AU23	Update User
AU24	Update User
AU25	Update User
AU26	Update User
AU27	Update User
AU28	Update User

UpdateUser-DecisionTable

Area / Section	Field	Condition (from Test Objective)	Input / Setup (from Test Data)	Expected Outcome Category	Detailed Expected Result
Basic Details	First Name	Test for Lower Bound valid	1 char	Accept / Proceed	User Created
Basic Details	First Name	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
Basic Details	First Name	Test for Upper Bound valid & Invalid	5000 char	Accept / Proceed	User Created
Basic Details	First Name	Test for Nominal	Nominal Name	Accept / Proceed	User Created
Basic Details	Last Name	Test for Lower Bound valid	1 char	Accept / Proceed	User Created
Basic Details	Last Name	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
Basic Details	Last Name	Test for Upper Bound valid & Invalid	5000 char	Accept / Proceed	User Created
Basic Details	Last Name	Test for Nominal	Nominal Name	Accept / Proceed	User Created
Basic Details	Email	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
Basic Details	Email	Test for Upper Bound valid & Invalid	1 Char	Accept / Proceed	User Created
Basic Details	Email	Test for Nominal	88 Char	Accept / Proceed	User Created
Basic Details	Contact #	Test for Lower Bound valid & Invalid	None	Accept / Proceed	User Created
Basic Details	Contact #	Test for Upper Bound valid & Invalid	9 Char	Accept / Proceed	User Created
Basic Details	Username	Test for Lower Bound Invalid	None	Reject / Do not proceed	User Creation failed with Warning
Basic Details	Username	Test for Upper Bound valid & Invalid	1 Char	Accept / Proceed	User Created
Basic Details	Username	Test for Nominal	1000 Char	Accept / Proceed	User Created
Basic Details	Avatar	Test for Lower Bound valid & Invalid	Uploaded	Accept / Proceed	User Created
Basic Details	Avatar	Test for Upper Bound valid & Invalid	Not Uploaded	Accept / Proceed	User Created with Warning
Basic Details	Status	Test for Lower Bound valid & Invalid	Active	Accept / Proceed	User Created
Basic Details	Status	Test for Upper Bound valid & Invalid	Blocked/ Deleted/ Expired/ Pending for approval/ Suspended	Accept / Proceed	User Created
Basic Details	Role	Test for Lower Bound valid & Invalid	Not Assigned	Reject / Do not proceed	User Creation failed with Warning
Basic Details	Role	Test for Upper Bound valid & Invalid	Assigned	Accept / Proceed	User Created
Update Password	Password	Test for Lower Bound valid & Invalid	Blank	Reject / Do not proceed	User Creation failed with Warning
Update Password	Password	Test for Upper Bound valid & Invalid	5000 Char	Accept / Proceed	User Created
Update Password	Password Confirmation	Test for Lower Bound valid & Invalid	Blank	Reject / Do not proceed	User Creation failed with Warning
Update Password	Password Confirmation	Test for Upper Bound valid & Invalid	5000 Char	Accept / Proceed	User Created
Update Password	Password Confirmation	Test for Nominal Invalid	Password not matching	Reject / Do not proceed	User Creation failed with Warning
Update Password	Password Confirmation	Test for Nominal valid	Password matching	Accept / Proceed	User Created

AllRole-StateTransitions

TC#	Page	Area / Section	Field / Control	Current State	Event / Trigger	Next State	Outcome Category	Expected Result (details)
RD01	All Roles – List	Roles List	Total Records	Role List page loaded	User performs action / enters data as per Test Data: System contains 0 roles	Validation / error state shown; data not committed	Validation / Error	Table displays "No data / No roles found". Pagination hidden. No UI errors.
RD02	All Roles – List	Roles List	Total Records	Role List page loaded	User performs action / enters data as per Test Data: System contains 1 role	List navigated / paginated as per expected result	Navigation / Pagination	Only 1 row shown. No pagination.
RD03	All Roles – List	Roles List	Total Records	Role List page loaded	User performs action / enters data as per Test Data: Exactly 10 roles exist	List navigated / paginated as per expected result	Navigation / Pagination	All shown on page 1, pagination hidden.
RD04	All Roles – List	Roles List	Total Records	Role List page loaded	User performs action / enters data as per Test Data: 11 roles in DB	List navigated / paginated as per expected result	Navigation / Pagination	Page 1 shows 10, Page 2 shows 1. Pagination appears.
RD05	All Roles – List	Roles List	Total Records	Role List page loaded	User performs action / enters data as per Test Data: Insert large number of roles	List navigated / paginated as per expected result	Navigation / Pagination	Table loads correctly, no performance crash, pagination works.
RD06	All Roles – List	Role Name Column	Name length	Role List page loaded	User performs action / enters data as per Test Data: Role = 'A'	See Expected Result	Other	UI shows "A" correctly, no column break.
RD07	All Roles – List	Role Name Column	Name length	Role List page loaded	User performs action / enters data as per Test Data: Role Name = max length (e.g., 255 chars)	See Expected Result	Other	Displays properly or truncates with ellipsis, no overflow.
RD08	All Roles – List	Role Name Column	Name length	Role List page loaded	User performs action / enters data as per Test Data: Role name > allowed limit	Validation / error state shown; data not committed	Validation / Error	Should reject in Add Role page; List page must still display safely (truncate/no break).
RD09	All Roles – List	Access Count Column	Access permission number	Role List page loaded	User performs action / enters data as per Test Data: Role exists with 0 permissions assigned	See Expected Result	Other	Shows "0 permission", no crash.
RD10	All Roles – List	Access Count Column	Access permission number	Role List page loaded	User performs action / enters data as per Test Data: Role with hundreds (or max allowed) permissions	See Expected Result	Other	List displays count correctly, no overflow.
RD11	All Roles – List	Search	Input field	Role List page loaded	User performs action / enters data as per Test Data: Leave search blank	See Expected Result	Other	List resets to show all roles.
RD12	All Roles – List	Search	Input field	Role List page loaded	User performs action / enters data as per Test Data: Search = "M"	See Expected Result	Other	Filters roles starting with/containing M.
RD13	All Roles – List	Search	Input field	Role List page loaded	User performs action / enters data as per Test Data: Paste long string (e.g., 255 chars)	See Expected Result	Other	Field allows input, returns no results or match. No errors.
RD14	All Roles – List	Search	Special characters	Role List page loaded	User performs action / enters data as per Test Data: Should not break UI; show "no results".	See Expected Result	Other	
RD15	All Roles – List	Search + Pagination	Search result boundary = 0	Role List page loaded	User performs action / enters data as per Test Data: Displays "No roles found". Pagination hidden.	See Expected Result	Other	
RD16	All Roles – List	Search + Pagination	Search result = exact page size	Role List page loaded	User performs action / enters data as per Test Data: No pagination.	See Expected Result	Other	
RD17	All Roles – List	Search + Pagination	Search result > page size	Role List page loaded	User performs action / enters data as per Test Data: Pagination enabled.	See Expected Result	Other	
RD18	All Roles – List	Actions – Edit	First row boundary	Role List page loaded	User performs action / enters data as per Test Data: Opens correct role edit page.	See Expected Result	Other	
RD19	All Roles – List	Actions – Edit	Last row boundary	Role List page loaded	User performs action / enters data as per Test Data: Opens correct role edit page.	See Expected Result	Other	
RD20	All Roles – List	Actions – Delete	Confirmation boundary	Role List page loaded	User performs action / enters data as per Test Data: Role successfully removed; table refreshes, pagination adjusts.	See Expected Result	Other	
RD21	All Roles – List	Actions – Delete	Trying to delete last remaining role	Role List page loaded	User performs action / enters data as per Test Data: Must delete successfully; list shows "no roles" afterward.	See Expected Result	Other	
RD22	All Roles – List	Actions – Delete	Attempt to delete a role assigned to active users	Role List page loaded	User performs action / enters data as per Test Data: System should show validation error OR prevent deletion (business rule).	See Expected Result	Other	
RD23	All Roles – List	Pagination	Navigation	Role List page loaded	User performs action / enters data as per Test Data: "Previous" disabled or does nothing.	See Expected Result	Other	
RD24	All Roles – List	Pagination	Navigation	Role List page loaded	User performs action / enters data as per Test Data: "Next" disabled or does nothing.	See Expected Result	Other	
RD25	All Roles – List	Pagination	Rapid navigation	Role List page loaded	User performs action / enters data as per Test Data: No glitch, no duplicate records, no console errors.	See Expected Result	Other	
RD26	All Roles – List	Show Entries	Dropdown boundaries	Role List page loaded	User performs action / enters data as per Test Data: UI correctly limits rows.	See Expected Result	Other	
RD27	All Roles – List	Show Entries	Dropdown boundaries	Role List page loaded	User performs action / enters data as per Test Data: Shows all or max rows allowed on one page, no overflow.	See Expected Result	Other	
RD28	All Roles – List	Add New Button	Function boundary	Role List page loaded	User performs action / enters data as per Test Data: Opens Add Role page, No dependency on list content.	See Expected Result	Other	
RD29	All Roles – List	Column Sorting	Name column	Role List page loaded	User performs action / enters data as per Test Data: Sort ascending	See Expected Result	Other	Alphabetical ordering correct.
RD30	All Roles – List	Column Sorting	Access column	Role List page loaded	User performs action / enters data as per Test Data: Sort ascending/descending	See Expected Result	Other	Permissions count sorted numerically, not alphabetically ("2" < "12" < "100").

All Roles List Page Decision Table

TC#	Page	Area / Section	Field	Condition (from Test Objective)	Input / Setup (from Test Data)	Expected Outcome Category	Detailed Expected Result
RD01	All Roles – List	Roles List	Total Records	Lower Bound – 0 roles	System contains 0 roles	Reject / Do not proceed	Table displays "No data / No roles found". Pagination hidden. No UI errors.
RD02	All Roles – List	Roles List	Total Records	Lower Bound – 1 role	System contains 1 role	Navigate / Paginate	Only 1 row shown. No pagination.
RD03	All Roles – List	Roles List	Total Records	Page size boundary (10 roles)	Exactly 10 roles exist	Navigate / Paginate	All shown on page 1, pagination hidden.
RD04	All Roles – List	Roles List	Total Records	Page size +1 (11 roles)	11 roles in DB	Navigate / Paginate	Page 1 shows 10, Page 2 shows 1. Pagination appears.
RD05	All Roles – List	Roles List	Total Records	Upper Bound – max allowed (e.g., 5000)	Insert large number of roles	Navigate / Paginate	Table loads correctly, no performance crash, pagination works.
RD06	All Roles – List	Role Name Column	Name length	Lower Bound – 1 character	Role = "A"	Other	UI shows "A" correctly, no column break.
RD07	All Roles – List	Role Name Column	Name length	Upper Bound – max allowed	Role Name = max length (e.g., 255 chars)	Other	Displays properly or truncates with ellipsis, no overflow.
RD08	All Roles – List	Role Name Column	Name length	Above max limit	Role name > allowed limit	Reject / Do not proceed	Should reject in Add Role page; List page must still display safely (truncate/no break).
RD09	All Roles – List	Access Count Column	Access permissio	Lower bound – 0 permissions	Role exists with 0 permissions assigned	Other	Shows "0 permission", no crash.
RD10	All Roles – List	Access Count Column	Access permissio	Upper bound – very large count	Role with hundreds (or max allowed) permissions	Other	List displays count correctly, no overflow.
RD11	All Roles – List	Search	Input field	Lower Bound – empty search	Leave search blank	Other	List resets to show all roles.
RD12	All Roles – List	Search	Input field	1 character	Search = "M"	Other	Filters roles starting with/containing M.
RD13	All Roles – List	Search	Input field	Max length allowed	Paste long string (e.g., 255 chars)	Other	Field allows input, returns no results or match. No errors.
RD14	All Roles – List	Search	Special character	Search "@#$%^&*()"	Should not break UI; show "no results".	Other	0
RD15	All Roles – List	Search + Pagination	Search result	Search non-existing term	Displays "No roles found". Pagination hidden.	Other	0
RD16	All Roles – List	Search + Pagination	Search result –	Search returns exactly 10 items	No pagination.	Other	0
RD17	All Roles – List	Search + Pagination	Search result –	Search returns >10 items	Pagination enabled.	Other	0
RD18	All Roles – List	Actions – Edit	First row boundary	Click edit on top row	Opens correct role edit page.	Other	0
RD19	All Roles – List	Actions – Edit	Last row boundary	Click edit on last row	Opens correct role edit page.	Other	0
RD20	All Roles – List	Actions – Delete	Confirmati on	Delete role from first page	Role successfully removed; table refreshes, pagination adjusts.	Other	0
RD21	All Roles – List	Actions – Delete	Trying to delete last	Only 1 role exists	Must delete successfully; list shows "no roles" afterward.	Other	0
RD22	All Roles – List	Actions – Delete	Attempt to delete	Role mapped to users	System should show validation error OR prevent deletion (business rule).	Other	0
RD23	All Roles – List	Pagination	Navigatio n	Lower bound – first page	"Previous" disabled or does nothing.	Other	0
RD24	All Roles – List	Pagination	Navigatio n	Upper bound – last page	"Next" disabled or does nothing.	Other	0
RD25	All Roles – List	Pagination	Rapid navigation	Fast clicking Next/Previous repeatedly	No glitch, no duplicate records, no console errors.	Other	0
RD26	All Roles – List	Show Entries	Dropdow n	Change to smallest page size	UI correctly limits rows.	Other	0
RD27	All Roles – List	Show Entries	Dropdow n	Change to largest page size	Shows all or max rows allowed on one page, no overflow.	Other	0
RD28	All Roles – List	Add New Button	Function boundary	Click Add New with no roles selected	Opens Add Role page. No dependency on list content.	Other	0
RD29	All Roles – List	Column Sorting	Name column	Lower bound	Sort ascending	Other	Alphabetical ordering correct.
RD30	All Roles – List	Column Sorting	Access column	Numerical sort boundary	Sort ascending/descending	Other	Permissions count sorted numerically, not alphabetically ("2" < "12" < "100").

AddRoles-StateTransitions

TC#	Page	Area / Section	Field / Control	Current State	Test Data	Event / Trigger	Next State	Outcome Category	Expected Result (detail)
AR01	Add Role	Add Role	Description	Add Role form opened	None (blank – if optional)	User performs action / enters data as per Test Data: None (blank – if optional)	Saved Form	Successful	Role Created
AR02	Add Role	Add Role	Description	Add Role form opened	None (blank – if description is mandatory)	User performs action / enters data as per Test Data: None (blank – if description is mandatory)	Error Form	Validation / Error	Role Creation failed with Warning
AR03	Add Role	Add Role	Description	Add Role form opened	MaxLen(Description) chars	User performs action / enters data as per Test Data: MaxLen(Description)	Saved Form	Successful	Role Created
AR04	Add Role	Add Role	Description	Add Role form opened	MaxLen(Description) + 1 chars	User performs action / enters data as per Test Data: MaxLen(Description) + 1	Error Form	Validation / Error	Role Creation failed with Warning
AR05	Add Role	Add Role	Description	Add Role form opened	Typical sentence (20–100 chars)	User performs action / enters data as per Test Data: Typical sentence (20–100 chars)	Saved Form	Successful	Role Created
AR06	Add Role	Add Role	Permissions	Add Role form opened	No module / permission checkbox selected	User performs action / enters data as per Test Data: No module / permission checkbox	Error Form	Validation / Error	Role Creation failed with Warning
AR07	Add Role	Add Role	Permissions	Add Role form opened	Exactly 1 lowest-level permission checked	User performs action / enters data as per Test Data: Exactly 1 lowest-level permission checked	Saved Form	Successful	Role Created
AR08	Add Role	Add Role	Permissions	Add Role form opened	“Check All” selected for all modules	User performs action / enters data as per Test Data: “Check All” selected for all modules	Saved Form	Successful	Role Created with all permissions
AR09	Add Role	Add Role	Permissions	Add Role form opened	All permissions for one module, none for others	User performs action / enters data as per Test Data: All permissions for one module, none for	Saved Form	Successful	Role Created, permissions limited to one module
AR10	Add Role	Add Role	Permissions	Add Role form opened	Random mix of Create/Update/Delete/View across modules	User performs action / enters data as per Test Data: Random mix of Create/Update/Delete/Vi	Saved Form	Successful	Role Created, permissions saved correctly
AR11	Add Role	Add Role	Permissions	Add Role form opened	Parent module checkbox checked, children unchecked (if supported)	User performs action / enters data as per Test Data: Parent module checkbox checked,	Error Form	Validation / Error	Parent/child rule enforced correctly
AR12	Add Role	Add Role	Permissions	Add Role form opened	Only child menu item checked, parent unchecked	User performs action / enters data as per Test Data: Only child menu item checked, parent	Saved Form	Successful	Parent/child rule enforced correctly
AR13	Add Role	Add Role	Check All	Add Role form opened	Click “Check All” once (select all)	User performs action / enters data as per Test Data: Click “Check All” once (select all)	Saved Form	Successful	All permission checkboxes are selected
AR14	Add Role	Add Role	Check All	Add Role form opened	Click “Check All” twice (select + deselect all)	User performs action / enters data as per Test Data: Click “Check All” twice (select + deselect	Saved Form	Successful	All permission checkboxes deselected
AR15	Add Role	Add Role	Status (if any)	Add Role form opened	Status = Active	User performs action / enters data as per Test Data: Status = Active	Saved Form	Successful	Role Created – Active
AR16	Add Role	Add Role	Status (if any)	Add Role form opened	Status = Inactive / Disabled	User performs action / enters data as per Test Data: Status = Inactive / Disabled	Saved Form	Successful	Role Created – Inactive
AR17	Add Role	Add Role	Save action	Add Role form opened	Blank Role Name + at least one permission	User performs action / enters data as per Test Data: Blank Role Name + at least one permission	Error Form	Validation / Error	Role Creation failed with Warning
AR18	Add Role	Add Role	Save action	Add Role form opened	Valid Role Name + no permissions	User performs action / enters data as per Test Data: Valid Role Name + no permissions	Error Form	Validation / Error	Role Creation failed with Warning
AR19	Add Role	Add Role	Save action	Add Role form opened	Valid Role Name + Nominal Description + some permissions	User performs action / enters data as per Test Data: Valid Role Name + Nominal Description +	Saved Form	Successful	Role Created

AddRoles-DecisionTable							
Rule (TC#)	Page	Area / Section	Field	Condition (from Test Objective)	Input / Setup (from Test Data)	Expected Outcome Category	Detailed Expected Result
AR01	Add Role	Add Role	Description	Test for Lower Bound valid	None (blank – if optional)	Accept / Proceed	Role Created
AR02	Add Role	Add Role	Description	Test for Lower Bound Invalid	None (blank – if description is mandatory)	Reject / Do not proceed	Role Creation failed with Warning
AR03	Add Role	Add Role	Description	Test for Upper Bound valid	MaxLen(Description) chars	Accept / Proceed	Role Created
AR04	Add Role	Add Role	Description	Test for Upper Bound Invalid	MaxLen(Description) + 1 chars	Reject / Do not proceed	Role Creation failed with Warning
AR05	Add Role	Add Role	Description	Test for Nominal	Typical sentence (20–100 chars)	Accept / Proceed	Role Created
AR06	Add Role	Add Role	Permissions	Test for Lower Bound Invalid – none	No module / permission checkbox selected	Reject / Do not proceed	Role Creation failed with Warning
AR07	Add Role	Add Role	Permissions	Test for Lower Bound valid – minimum	Exactly 1 lowest-level permission checked	Accept / Proceed	Role Created
AR08	Add Role	Add Role	Permissions	Test for Upper Bound valid – all selected	“Check All” selected for all modules	Accept / Proceed	Role Created with all permissions
AR09	Add Role	Add Role	Permissions	Test for Upper Bound valid – many selected	All permissions for one module, none for others	Accept / Proceed	Role Created, permissions limited to one module
AR10	Add Role	Add Role	Permissions	Test for mixed selection	Random mix of Create/Update/Delete/View across modules	Accept / Proceed	Role Created, permissions saved correctly
AR11	Add Role	Add Role	Permissions	Test parent/child relationship – parent only	Parent module checkbox checked, children unchecked (if supported)	Reject / Do not proceed	Parent/child rule enforced correctly
AR12	Add Role	Add Role	Permissions	Test parent/child relationship – child only	Only child menu item checked, parent unchecked	Accept / Proceed	Parent/child rule enforced correctly
AR13	Add Role	Add Role	Check All	Test global “Check All” lower bound	Click “Check All” once (select all)	Accept / Proceed	All permission checkboxes are selected
AR14	Add Role	Add Role	Check All	Test global “Check All” toggle	Click “Check All” twice (select + deselect all)	Accept / Proceed	All permission checkboxes deselected
AR15	Add Role	Add Role	Status (if any)	Test for Lower Bound valid	Status = Active	Accept / Proceed	Role Created – Active
AR16	Add Role	Add Role	Status (if any)	Test for Upper Bound valid	Status = Inactive / Disabled	Accept / Proceed	Role Created – Inactive
AR17	Add Role	Add Role	Save action	Test for mandatory fields combination	Blank Role Name + at least one permission	Reject / Do not proceed	Role Creation failed with Warning
AR18	Add Role	Add Role	Save action	Test for mandatory fields combination	Valid Role Name + no permissions	Reject / Do not proceed	Role Creation failed with Warning
AR19	Add Role	Add Role	Save action	Test for nominal successful save	Valid Role Name + Nominal Description + some permissions	Accept / Proceed	Role Created

UpdateRoles-StateTransitions								
TC#	Page	Area / Section	Field / Control	Current State	Event / Trigger	Next State	Outcome Category	Expected Result (detail)
UR01	Update Role	Update Role	Description	Update Role form opened for existing role	User performs action / enters data as per Test Data: None (blank – if optional)	Operation succeeds (record saved or list shown as expected)	Successful	Role Created
UR02	Update Role	Update Role	Description	Update Role form opened for existing role	User performs action / enters data as per Test Data: None (blank – if description is mandatory)	Validation / error state shown; data not committed	Validation / Error	Role Creation failed with Warning
UR03	Update Role	Update Role	Description	Update Role form opened for existing role	User performs action / enters data as per Test Data: MaxLen(Description) chars	Operation succeeds (record saved or list shown as expected)	Successful	Role Created
UR04	Update Role	Update Role	Description	Update Role form opened for existing role	User performs action / enters data as per Test Data: MaxLen(Description) + 1 chars	Validation / error state shown; data not committed	Validation / Error	Role Creation failed with Warning
UR05	Update Role	Update Role	Description	Update Role form opened for existing role	User performs action / enters data as per Test Data: Typical sentence (20–100 chars)	Operation succeeds (record saved or list shown as expected)	Successful	Role Created
UR06	Update Role	Update Role	Permissions	Update Role form opened for existing role	User performs action / enters data as per Test Data: No module / permission checkbox selected	Validation / error state shown; data not committed	Validation / Error	Role Creation failed with Warning
UR07	Update Role	Update Role	Permissions	Update Role form opened for existing role	User performs action / enters data as per Test Data: Exactly 1 lowest-level permission checked	Operation succeeds (record saved or list shown as expected)	Successful	Role Created
UR08	Update Role	Update Role	Permissions	Update Role form opened for existing role	User performs action / enters data as per Test Data: "Check All" selected for all modules	Operation succeeds (record saved or list shown as expected)	Successful	Role Created with all permissions
UR09	Update Role	Update Role	Permissions	Update Role form opened for existing role	User performs action / enters data as per Test Data: All permissions for one module, none for others	Operation succeeds (record saved or list shown as expected)	Successful	Role Created, permissions limited to one module
UR10	Update Role	Update Role	Permissions	Update Role form opened for existing role	User performs action / enters data as per Test Data: Random mix of Create/Update/Delete/View across modules	Operation succeeds (record saved or list shown as expected)	Successful	Role Created, permissions saved correctly
UR11	Update Role	Update Role	Permissions	Update Role form opened for existing role	User performs action / enters data as per Test Data: Parent module checkbox checked, children unchecked (if supported)	Validation / error state shown; data not committed	Validation / Error	Parent/child rule enforced correctly
UR12	Update Role	Update Role	Permissions	Update Role form opened for existing role	User performs action / enters data as per Test Data: Only child menu item checked, parent unchecked	Operation succeeds (record saved or list shown as expected)	Successful	Parent/child rule enforced correctly
UR13	Update Role	Update Role	Check All	Update Role form opened for existing role	User performs action / enters data as per Test Data: Click "Check All" once (select all)	Operation succeeds (record saved or list shown as expected)	Successful	All permission checkboxes are selected
UR14	Update Role	Update Role	Check All	Update Role form opened for existing role	User performs action / enters data as per Test Data: Click "Check All" twice (select + deselect all)	Operation succeeds (record saved or list shown as expected)	Successful	All permission checkboxes deselected
UR15	Update Role	Update Role	Status (if any)	Update Role form opened for existing role	User performs action / enters data as per Test Data: Status = Active	Operation succeeds (record saved or list shown as expected)	Successful	Role Created – Active
UR16	Update Role	Update Role	Status (if any)	Update Role form opened for existing role	User performs action / enters data as per Test Data: Status = Inactive / Disabled	Operation succeeds (record saved or list shown as expected)	Successful	Role Created – Inactive
UR17	Update Role	Update Role	Save action	Update Role form opened for existing role	User performs action / enters data as per Test Data: Blank Role Name + at least one permission	Validation / error state shown; data not committed	Validation / Error	Role Creation failed with Warning
UR18	Update Role	Update Role	Save action	Update Role form opened for existing role	User performs action / enters data as per Test Data: Valid Role Name + no permissions	Validation / error state shown; data not committed	Validation / Error	Role Creation failed with Warning
UR19	Update Role	Update Role	Save action	Update Role form opened for existing role	User performs action / enters data as per Test Data: Valid Role Name + Nominal Description + some permissions	Operation succeeds (record saved or list shown as expected)	Successful	Role Created

UpdateRoles-DecisionTable

Rule (TC#)	Page	Area / Section	Field	Condition (from Test Objective)	Input / Setup (from Test Data)	Expected Outcome Category	Detailed Expected Result
UR01	Update Role	Update Role	Description	Test for Lower Bound valid	None (blank – if optional)	Accept / Proceed	Role Created
UR02	Update Role	Update Role	Description	Test for Lower Bound Invalid	None (blank – if description is mandatory)	Reject / Do not proceed	Role Creation failed with Warning
UR03	Update Role	Update Role	Description	Test for Upper Bound valid	MaxLen(Description) chars	Accept / Proceed	Role Created
UR04	Update Role	Update Role	Description	Test for Upper Bound Invalid	MaxLen(Description) + 1 chars	Reject / Do not proceed	Role Creation failed with Warning
UR05	Update Role	Update Role	Description	Test for Nominal	Typical sentence (20–100 chars)	Accept / Proceed	Role Created
UR06	Update Role	Update Role	Permissions	Test for Lower Bound Invalid – none	No module / permission checkbox selected	Reject / Do not proceed	Role Creation failed with Warning
UR07	Update Role	Update Role	Permissions	Test for Lower Bound valid – minimum	Exactly 1 lowest-level permission checked	Accept / Proceed	Role Created
UR08	Update Role	Update Role	Permissions	Test for Upper Bound valid – all selected	"Check All" selected for all modules	Accept / Proceed	Role Created with all permissions
UR09	Update Role	Update Role	Permissions	Test for Upper Bound valid – many selected	All permissions for one module, none for others	Accept / Proceed	Role Created, permissions limited to one module
UR10	Update Role	Update Role	Permissions	Test for mixed selection	Random mix of Create/Update/Delete/View across modules	Accept / Proceed	Role Created, permissions saved correctly
UR11	Update Role	Update Role	Permissions	Test parent/child relationship – parent only	Parent module checkbox checked, children unchecked (if supported)	Reject / Do not proceed	Parent/child rule enforced correctly
UR12	Update Role	Update Role	Permissions	Test parent/child relationship – child only	Only child menu item checked, parent unchecked	Accept / Proceed	Parent/child rule enforced correctly
UR13	Update Role	Update Role	Check All	Test global "Check All" lower bound	Click "Check All" once (select all)	Accept / Proceed	All permission checkboxes are selected
UR14	Update Role	Update Role	Check All	Test global "Check All" toggle	Click "Check All" twice (select + deselect all)	Accept / Proceed	All permission checkboxes deselected
UR15	Update Role	Update Role	Status (if any)	Test for Lower Bound valid	Status = Active	Accept / Proceed	Role Created – Active
UR16	Update Role	Update Role	Status (if any)	Test for Upper Bound valid	Status = Inactive / Disabled	Accept / Proceed	Role Created – Inactive
UR17	Update Role	Update Role	Save action	Test for mandatory fields combination	Blank Role Name + at least one permission	Reject / Do not proceed	Role Creation failed with Warning
UR18	Update Role	Update Role	Save action	Test for mandatory fields combination	Valid Role Name + no permissions	Reject / Do not proceed	Role Creation failed with Warning
UR19	Update Role	Update Role	Save action	Test for nominal successful save	Valid Role Name + Nominal Description + some permissions	Accept / Proceed	Role Created

New Order Boundary Conditions

TC#	Area	Data Field / Control	Test Objective	Test Data / Setup	Expected Result
NWO01	New Order filtered List	Order type	**Upper Bound All Order type filters are** applied	Open New Orders page with at least 2 different order types present; do not change Order type dropdown	All new orders, regardless of type, are displayed; Order type control shows default value (e.g. “All”)
NWO02	New Order filtered List	Order type	**Lower Bound no Order type filters are** applied	Ensure there are no “Pickup” orders for today; set Order type = Pickup	“No results” message appears in list panel; count badge shows 0; no error is shown
NWO03	New Order filtered List	Order type	**Lower Bound** Valid 1 Order type filters are applied	Create ≥3 “Delivery” orders for today; set Order type = Delivery	Only Delivery orders are listed; order count equals number of created Delivery orders; other types are not shown
NWO04	New Order filtered List	Order type	**Invalid Order type value** with Manual data entry	Manually change query param to an unsupported type (e.g. ordertype=XYZ) and load page	Page loads without crash; Order type resets to default (“All”) or shows validation error; list data still loads correctly
NWO05	New Order filtered List	Payment Status	**Lower Bound no Payment Status filter** is applied	Open New Orders page with Paid and Pending orders present; do not change Payment Status control	All new orders regardless of payment status are shown; Payment Status shows default (e.g. “All”)
NWO06	New Order filtered List	Payment Status	**Lower Bound Valid single status returning results**	Ensure at least 2 orders have status Pending; set Payment Status = Pending	Only orders with Pending status are displayed; count matches underlying data
NWO07	New Order filtered List	Payment Status	**Nominal Invalid selected status has no matching orders**	Ensure there is no order with status Failed; set Payment Status = Failed	List shows “No results”; Payment Status remains set to Failed; no system error
NWO08	New Order filtered List	Payment Status + Order type	**Upper Bound Combined filtering** of different Payment Status and Order type	Ensure at least 1 order is Delivery + Paid and at least 1 is Delivery + Pending; set Order type = Delivery, Payment Status = Paid	Only Delivery + Paid orders appear; Delivery + Pending and all non-Delivery orders are excluded
NWO09	New Order filtered List	Sort	**Nominal sort order** on initial load	Have multiple new orders with different creation times and amounts; load New Orders page with no sorting changed	List is sorted by default key (e.g. newest order first by Created Date); sort control reflects default
NWO10	New Order filtered List	Sort	**Upper Bound Ascending vs Descending** ordering	With ≥3 orders present, choose sort by Order Date Ascending, then change to Descending	Ascending: earliest order appears first; Descending: latest order appears first; order list updates correctly each time
NWO11	New Order filtered List	Sort	**Nominal Invalid identical key values**	Create 2–3 orders with same order date/time or amount; sort by that key	Orders with identical sort key remain grouped; secondary sort (e.g. Order#) is applied consistently with no random reordering
NWO12	New Order filtered List	Filter by order number or customer name (Order#)	**Nominal Exact Order# match**	Note an existing Order# (e.g. ORD12345); type full value into filter field and apply	Only the order with Order# ORD12345 is shown; results count = 1
NWO13	New Order filtered List	Filter by order number or customer name (Order#)	**Lower Bound Non-existent Order#** and minimum length behavior	Enter a valid-format but unused Order# (e.g. ORD99999) or minimum allowed characters; apply search	List shows “No results”; no crash or backend error; filter value remains visible
NWO14	New Order filtered List	Filter by order number or customer name (Order#)	**Lower Bound Invalid Leading/trailing spaces and non-numeric / invalid characters**	Input " ORD12345 " then "@@@###" and apply each	For spaced input: spaces are trimmed, valid order is found; For invalid characters: either validation message is shown or “No results” returned, per spec
NWO15	New Order filtered List	Filter by order number or customer name (Customer name)	**Lower Bound Valid case-insensitive partial name search**	Have an order for customer John Smith; type john or SMI in filter and apply	Orders whose customer name contains the entered string (John Smith) are returned regardless of case
NWO16	New Order filtered List	Filter by order number or customer name (Customer name)	**Nominal Invalid special characters in name**	Have orders for Jean-Paul and O’Neil; search using Jean, Paul, O'Neil	Corresponding orders are returned; hyphen and apostrophe are handled correctly; no search error
NWO17	New Order filtered List	Filter by order number or customer name (Customer name)	**Upper Bound valid combined name search + other filters**	Have two customers named Alex with different Order types / Payment Status; set name filter to Alex, then apply Order type = Delivery, Payment Status = Paid	Only orders for customers named Alex **and** matching Delivery + Paid appear; other Alex orders are excluded
NWO18	New Order filtered List	Filter by order number or customer name	**Upper Bound Invalid search box is cleared**	Apply any valid search (Order# or name) so list is filtered; then clear the text and apply	Filter is removed; list reverts to full result set respecting only Order type / Payment Status / Sort settings

Create an Order Boundary Conditions

TC#	Area	Data Field / Control	Test Objective	Test Data / Setup	Expected Result	Actual Result	Issues
NWO01	New Order filtered List	Order type	**Upper Bound All Order type filters are** applied	Open New Orders page with at least 2 different order types present; do not change Order type dropdown	All new orders, regardless of type, are displayed; Order type control shows default value (e.g. "All")	All new orders, regardless of type, are displayed; Order type control shows default value (e.g. "All")	0
NWO02	New Order filtered List	Order type	**Lower Bound no Order type filters are** applied	Ensure there are no "Pickup" orders for today; set Order type = Pickup	"No results" message appears in list panel; count badge shows 0; no error is shown	"No results" message appears in list panel; count badge shows 0; no error is shown	0
NWO03	New Order filtered List	Order type	**Lower Bound** Valid 1 Order type filters are applied	Create ≥3 "Delivery" orders for today; set Order type = Delivery	Only Delivery orders are listed; order count equals number of created Delivery orders; other types are not shown	Only Delivery orders are listed; order count equals number of created Delivery orders; other types are not shown	0
NWO04	New Order filtered List	Order type	**Invalid Order type value** with Manual data entry	Manually change query param to an unsupported type (e.g. ordertype=XYZ) and load page	Page loads without crash; Order type resets to default ("All") or shows validation error; list data still loads correctly	Page loads without crash; Order type resets to default ("All") or shows validation error; list data still loads correctly	0
NWO05	New Order filtered List	Payment Status	**Lower Bound no Payment Status filter** is applied	Open New Orders page with Paid and Pending orders present; do not change Payment Status control	All new orders regardless of payment status are shown; Payment Status shows default (e.g. "All")	All new orders regardless of payment status are shown; Payment Status shows default (e.g. "All")	0
NWO06	New Order filtered List	Payment Status	**Lower Bound Valid single status returning results**	Ensure at least 2 orders have status Pending; set Payment Status = Pending	Only orders with Pending status are displayed; count matches underlying data	Only orders with Pending status are displayed; count matches underlying data	0
NWO07	New Order filtered List	Payment Status	**Nominal Invalid selected status has no matching orders**	Ensure there is no order with status Failed; set Payment Status = Failed	List shows "No results"; Payment Status remains set to Failed; no system error	List shows "No results"; Payment Status remains set to Failed; no system error	0
NWO08	New Order filtered List	Payment Status + Order type	**Upper Bound Combined filtering** of different Payment Status and Order type	Ensure at least 1 order is Delivery + Paid and at least 1 is Delivery + Pending; set Order type = Delivery, Payment Status = Paid	Only Delivery + Paid orders appear; Delivery + Pending and all non-Delivery orders are excluded	Only Delivery + Paid orders appear; Delivery + Pending and all non-Delivery orders are excluded	0
NWO09	New Order filtered List	Sort	**Nominal sort order** on initial load	Have multiple new orders with different creation times and amounts; load New Orders page with no sorting changed	List is sorted by default key (e.g. newest order first by Created Date); sort control reflects default	List is sorted by default key (e.g. newest order first by Created Date); sort control reflects default	0
NWO10	New Order filtered List	Sort	**Upper Bound Ascending vs Descending** ordering	With ≥3 orders present, choose sort by Order Date Ascending, then change to Descending	Ascending: earliest order appears first; Descending: latest order appears first; order list updates correctly each time	Ascending: earliest order appears first; Descending: latest order appears first; order list updates correctly each time	0
NWO11	New Order filtered List	Sort	**Nominal Invalid identical key values**	Create 2–3 orders with same order date/time or amount; sort by that key	Orders with identical sort key remain grouped; secondary sort (e.g. Order#) is applied consistently with no random reordering	Orders with identical sort key remain grouped; secondary sort (e.g. Order#) is applied consistently with no random reordering	0
NWO12	New Order filtered List	Filter by order number or customer name (Order#)	**Nominal Exact Order# match**	Note an existing Order# (e.g. ORD12345); type full value into filter field and apply	Only the order with Order# ORD12345 is shown; results count = 1	Only the order with Order# ORD12345 is shown; results count = 2	0
NWO13	New Order filtered List	Filter by order number or customer name (Order#)	**Lower Bound Non-existent Order#** and minimum length behavior	Enter a valid-format but unused Order# (e.g. ORD99999) or minimum allowed characters; apply search	List shows "No results"; no crash or backend error; filter value remains visible	List shows "No results"; no crash or backend error; filter value remains visible	0
NWO14	New Order filtered List	Filter by order number or customer name (Order#)	**Lower Bound Invalid Leading/trailing spaces and non-numeric / invalid characters**	Input " ORD12345 " then "@@@###" and apply each	For spaced input: spaces are trimmed, valid order is found; For invalid characters: either validation message is shown or "No results" returned, per spec	For spaced input: spaces are trimmed, valid order is found; For invalid characters: either validation message is shown or "No results" returned, per spec	0
NWO15	New Order filtered List	Filter by order number or customer name (Customer name)	**Lower Bound Valid case-insensitive partial name search**	Have an order for customer John Smith; type john or SMI in filter and apply	Orders whose customer name contains the entered string (John Smith) are returned regardless of case	Orders whose customer name contains the entered string (John Smith) are returned regardless of case	0
NWO16	New Order filtered List	Filter by order number or customer name (Customer name)	**Nominal Invalid special characters in name**	Have orders for Jean-Paul and O'Neil; search using Jean, Paul, O'Neil	Corresponding orders are returned; hyphen and apostrophe are handled correctly; no search error	Corresponding orders are returned; hyphen and apostrophe are handled correctly; no search error	0
NWO17	New Order filtered List	Filter by order number or customer name (Customer name)	**Upper Bound valid combined name search + other filters**	Have two customers named Alex with different Order types / Payment Status; set name filter to Alex, then apply Order type = Delivery, Payment Status = Paid	Only orders for customers named Alex **and** matching Delivery + Paid appear; other Alex orders are excluded	Only orders for customers named Alex **and** matching Delivery + Paid appear; other Alex orders are excluded	0
NWO18	New Order filtered List	Filter by order number or customer name	**Upper Bound Invalid search box is cleared**	Apply any valid search (Order# or name) so list is filtered; then clear the text and apply	Filter is removed; list reverts to full result set respecting only Order type / Payment Status / Sort settings	Filter is removed; list reverts to full result set respecting only Order type / Payment Status / Sort settings	0

Order Processing Boundary Conditions

TC#	Area	Data Field / Control	Test Objective	Test Data / Setup	Expected Result
OP001	Order Processing List	Order Status	**Upper Bound – All processing statuses shown**	Open Order Processing page with orders in *Preparing*, *Ready*, *Out for Delivery*; do not change filters	All orders across all processing statuses appear; status filter shows default "All"
OP002	Order Processing List	Order Status	**Lower Bound – No orders in selected status**	Ensure no order is in "Ready"; set status filter = Ready	"No results" shows; badge count = 0; no error
OP003	Order Processing List	Order Status	**Lower Bound Valid – Single valid status**	Create ≥3 orders in "Preparing"; set status = Preparing	Only orders in Preparing appear; total matches underlying data
OP004	Order Processing List	Order Status	**Invalid status via manual query param**	Change URL param to status=XYZ	Page loads, status resets to default or shows validation message, list still loads correctly
OP005	Order Processing	Accept Order	**Nominal – Accept action works**	Have order in "New"; click Accept	Order moves to "Preparing"; UI updates; Processing List count increments
OP006	Order Processing	Accept Order	**Lower Bound – Cannot accept already-accepted order**	Move order to Preparing; attempt Accept again via UI or URL	Accept action disabled; system rejects repeat action; no duplicate state change
OP007	Order Processing	Item Availability	**Invalid – Missing or out-of-stock item**	Create order with item flagged as "out of stock"	Accept button disabled OR warning appears; order cannot enter Preparing
OP008	Order Processing	Start Preparing	**Upper Bound – Multiple orders preparing**	Have ≥5 accepted orders; start preparing each	Each order moves to Preparing; timestamps recorded per spec; no performance degradation
OP009	Order Processing	Start Preparing	**Lower Bound – Preparation already started**	Start preparing order; click Start again	System should not duplicate preparation start; prevents duplicate timestamps
OP010	Order Processing	Complete Preparation	**Nominal – Move to Ready**	Have order in Preparing with all items confirmed	Mark as "Ready"; order moves to Ready; badge updates
OP011	Order Processing	Complete Preparation	**Invalid – Mandatory steps not completed**	Attempt to mark Preparing order as Ready without confirming items	Validation error displayed; Ready status not allowed
OP012	Order Processing	Assign Driver	**Upper Bound – Multiple driver assignments**	Have 3 orders Ready; assign same driver to all	Driver assignment succeeds when allowed; system shows driver name; no conflict unless driver capacity exceeded
OP013	Order Processing	Assign Driver	**Lower Bound – Driver unavailable**	Mark driver as inactive/busy; assign to Ready order	Error or restriction message displayed; order remains unassigned
OP014	Order Processing	Dispatch / Out for Delivery	**Nominal – Move to Out for Delivery**	Order = Ready; assign driver; click Dispatch	Order moves to Out for Delivery; dispatch time set
OP015	Order Processing	Dispatch	**Invalid – Missing driver assignment**	Ready order without driver assigned; click Dispatch	Error message "Assign driver first"; dispatch blocked
OP016	Order Processing	Complete Delivery	**Upper Bound – Successful completion**	Out for Delivery order; driver marks delivered	Order moves to "Completed"; UI badge updates; no errors
OP017	Order Processing	Complete Delivery	**Invalid – Delivery timestamp in past/future**	Manipulate timestamp via API to invalid value	System rejects invalid submission; displays validation
OP018	Order Processing	Cancel Order	**Nominal – Cancel allowed in specific states**	Cancel order in New/Preparing	Order moves to Cancelled; shown with correct color/status; reason captured
OP019	Order Processing	Cancel Order	**Invalid – Cancel not allowed**	Try cancelling order in Completed state	Cancel option hidden/disabled; cannot cancel completed orders
OP020	Order Processing	Sort	**Upper Bound – By Status, Time, Amount**	Have ≥6 orders in mixed states; sort each column	Correct order shown for each selected sort; sorted values persist visually
OP021	Order Processing	Sort	**Identical key values**	Create 3 orders with same delivery time	Orders stay grouped; secondary sort (Order#) consistent
OP022	Order Processing	Search Order# / Customer	**Exact match**	Enter exact Order# into search	Only matching order displays; result count = 1
OP023	Order Processing	Search Order# / Customer	**Lower Bound – Nonexistent order**	Enter unused Order#	"No results", search value remains
OP024	Order Processing	Search Order# / Customer	**Trimmed / Invalid characters**	Enter " ORD12345 " then "!@#@"	Spaces trimmed → valid match; invalid chars → validation or no results
OP025	Order Processing	Search Customer	**Partial, case-insensitive**	Enter partial 'john'	Orders with customers matching substring displayed
OP026	Order Processing	Search Customer	**Special characters**	Orders for "O'Conner", "Jean-Paul"; search with variations	Names correctly matched; hyphens/apostrophes handled
OP027	Order Processing	Search + Filters	**Combined filters upper bound**	Search name "Alex"; status = Preparing; driver = Assigned	Only orders matching all criteria shown
OP028	Order Processing	Search	**Clear search**	Apply any search; clear input and apply	Full list restores respecting status/sort filters

Order Processing Boundary Conditions

TC#	Area	Data Field / Control	Test Objective	Test Data / Setup	Expected Result	Actual Result	Issues
OP001	Order Processing List	Order Status	**Upper Bound – All processing statuses shown**	Open Order Processing page with orders in *Preparing* , *Ready* , *Out for Delivery* ; do not change filters	All orders across all processing statuses appear; status filter shows default "All"	All orders across all processing statuses appear; status filter shows default "All"	0
OP002	Order Processing List	Order Status	**Lower Bound – No orders in selected status**	Ensure no order is in "Ready"; set status filter = Ready	"No results" shows; badge count = 0; no error	"No results" shows; badge count = 0; no error	0
OP003	Order Processing List	Order Status	**Lower Bound Valid – Single valid status**	Create orders in "Preparing"; set status = Preparing	Only orders in Preparing appear; total matches underlying data	Only orders in Preparing appear; total matches underlying data	0
OP004	Order Processing List	Order Status	**Invalid status via manual query param**	Change URL param to status=XYZ	Page loads, status resets to default or shows validation message; list still loads correctly	Page loads, status resets to default or shows validation message; list still loads correctly	0
OP005	Order Processing	Accept Order	**Nominal – Accept action works**	Have order in "New"; click Accept	Order moves to "Preparing"; UI updates; Processing List count increments	Order moves to "Preparing"; UI updates; Processing List count increments	0
OP006	Order Processing	Accept Order	**Lower Bound – Cannot accept already-accepted order**	Move order to Preparing; attempt Accept again via UI or URL	Accept action disabled; system rejects repeat action; no duplicate state change	Accept action disabled; system rejects repeat action; no duplicate state change	0
OP007	Order Processing	Item Availability	**Invalid – Missing or out-of-stock item**	Create order with item flagged as "out of stock"	Accept button disabled OR warning appears; order cannot enter Preparing	Accept button disabled OR warning appears; order cannot enter Preparing	0
OP008	Order Processing	Start Preparing	**Upper Bound – Multiple orders preparing**	Have ≥5 accepted orders; start preparing each	Each order moves to Preparing; timestamps recorded per spec; no performance degradation	Each order moves to Preparing; timestamps recorded per spec; no performance degradation	0
OP009	Order Processing	Start Preparing	**Lower Bound – Preparation already started**	Start preparing order; click Start again	System should not duplicate preparation start; prevents duplicate timestamps	System should not duplicate preparation start; prevents duplicate timestamps	0
OP010	Order Processing	Complete Preparation	**Nominal – Move to Ready**	Have order in Preparing with all items confirmed	Mark as "Ready"; order moves to Ready; badge updates	Mark as "Ready"; order moves to Ready; badge updates	0
OP011	Order Processing	Complete Preparation	**Invalid – Mandatory steps not completed**	Attempt to mark Preparing order as Ready without confirming items	Validation error displayed; Ready status not allowed	Validation error displayed; Ready status not allowed	0
OP012	Order Processing	Assign Driver	**Upper Bound – Multiple driver assignments**	Have 3 orders Ready; assign same driver to all	Driver assignment succeeds when allowed; system shows driver name; no conflict unless driver capacity exceeded	Driver assignment succeeds when allowed; system shows driver name; no conflict unless driver capacity exceeded	0
OP013	Order Processing	Assign Driver	**Lower Bound – Driver unavailable**	Mark driver as inactive/busy; assign to Ready order	Error or restriction message displayed; order remains unassigned	Error or restriction message displayed; order remains unassigned	0
OP014	Order Processing	Dispatch / Out for Delivery	**Nominal – Move to Out for Delivery**	Order = Ready; assign driver; click Dispatch	Order moves to Out for Delivery; dispatch time set	Order moves to Out for Delivery; dispatch time set	0
OP015	Order Processing	Dispatch	**Invalid – Missing driver assignment**	Ready order without driver assigned; click Dispatch	Error message "Assign driver first"; dispatch blocked	Error message "Assign driver first"; dispatch blocked	0
OP016	Order Processing	Complete Delivery	**Upper Bound – Successful completion**	Out for Delivery order; driver marks delivered	Order moves to "Completed"; UI badge updates; no errors	Order moves to "Completed"; UI badge updates; no errors	0
OP017	Order Processing	Complete Delivery	**Invalid – Delivery timestamp in past/future**	Manipulate timestamp via API to invalid value	System rejects invalid submission; displays validation	System rejects invalid submission; displays validation	0
OP018	Order Processing	Cancel Order	**Nominal – Cancel allowed in specific states**	Cancel order in New/Preparing	Order moves to Cancelled; shown with correct color/status; reason captured	Order moves to Cancelled; shown with correct color/status; reason captured	0
OP019	Order Processing	Cancel Order	**Invalid – Cancel not allowed**	Try cancelling order in Completed state	Cancel option hidden/disabled; cannot cancel completed orders	Cancel option hidden/disabled; cannot cancel completed orders	0
OP020	Order Processing	Sort	**Upper Bound – By Status, Time, Amount**	Have ≥6 orders in mixed states; sort each column	Correct order shown for each selected sort; sorted values persist visually	Correct order shown for each selected sort; sorted values persist visually	0
OP021	Order Processing	Sort	**Identical key values**	Create 3 orders with same delivery time	Orders stay grouped; secondary sort (Order#) consistent	Orders stay grouped; secondary sort (Order#) consistent	0
OP022	Order Processing	Search Order# / Customer	**Exact match**	Enter exact Order# into search	Only matching order displays; result count = 1	Only matching order displays; result count = 2	0
OP023	Order Processing	Search Order# / Customer	**Lower Bound – Nonexistent order**	Enter unused Order#	"No results"; search value remains	"No results"; search value remains	0
OP024	Order Processing	Search Order# / Customer	**Trimmed / Invalid characters**	Enter " ORD12345 " then "!@#@"	Spaces trimmed → valid match; invalid chars → validation or no results	Spaces trimmed → valid match; invalid chars → validation or no results	0
OP025	Order Processing	Search Customer	**Partial, case-insensitive**	Enter partial "john"	Orders with customers matching substring displayed	Orders with customers matching substring displayed	0
OP026	Order Processing	Search Customer	**Special characters**	Orders for "O'Conner", "Jean-Paul"; search with variations	Names correctly matched; hyphens/apostrophes handled	Names correctly matched; hyphens/apostrophes handled	0
OP027	Order Processing	Search + Filters	**Combined filters upper bound**	Search name "Alex"; status = Preparing; driver = Assigned	Only orders matching all criteria shown	Only orders matching all criteria shown	0
OP028	Order Processing	Search	**Clear search**	Apply any search; clear input and apply	Full list restores respecting status/sort filters	Full list restores respecting status/sort filters	0

Order Ready Boundary Conditions

TC#	Area	Data Field / Control	Test Objective	Test Data / Setup	Expected Result
RWO01	Orders Ready filtered List	Order type	**Upper Bound All Order type filters are applied**	Open Orders Ready page with at least 2 different order types present; do not change Order type dropdown	All ready orders, regardless of type, are displayed; Order type control shows default value (e.g. “All”)
RWO02	Orders Ready filtered List	Order type	**Lower Bound no Order type filters are applied**	Ensure there are no “Pickup” orders in Ready state for today; set Order type = Pickup	“No results” message appears in list panel; count badge shows 0; no error is shown
RWO03	Orders Ready filtered List	Order type	**Lower Bound Valid 1 Order type filter is applied**	Create ≥3 “Delivery” orders and move them to Ready; set Order type = Delivery	Only Ready + Delivery orders are listed; order count equals number of such orders; other types are not shown
RWO04	Orders Ready filtered List	Order type	**Invalid Order type value with manual data entry**	Manually change query param to an unsupported type (e.g. ordertype=XYZ) and load page	Page loads without crash; Order type resets to default (“All”) or shows validation error; list data still loads correctly
RWO05	Orders Ready filtered List	Payment Status	**Lower Bound no Payment Status filter is applied**	Open Orders Ready page with Paid and Pending ready orders present; do not change Payment Status	All ready orders regardless of payment status are shown; Payment Status shows default (e.g. “All”)
RWO06	Orders Ready filtered List	Payment Status	**Lower Bound Valid single status returning results**	Ensure at least 2 ready orders have status Pending; set Payment Status = Pending	Only ready orders with Pending status are displayed; count matches underlying data
RWO07	Orders Ready filtered List	Payment Status	**Nominal Invalid selected status has no matching orders**	Ensure there is no ready order with status Failed; set Payment Status = Failed	List shows “No results”; Payment Status remains set to Failed; no system error
RWO08	Orders Ready filtered List	Payment Status + Order type	**Upper Bound Combined filtering of different Payment Status and Order type**	Ensure at least 1 order is Ready + Delivery + Paid and at least 1 is Ready + Delivery + Pending; set	Only Ready + Delivery + Paid orders appear; Ready + Delivery + Pending and all non-Delivery ready orders are excluded
RWO09	Orders Ready filtered List	Sort	**Nominal sort order on initial load**	Have multiple ready orders with different creation times and amounts; load Orders Ready page with no	List is sorted by default key (e.g. newest ready order first by Ready Date/Created Date); sort control reflects default
RWO10	Orders Ready filtered List	Sort	**Upper Bound Ascending vs Descending ordering**	With ≥3 ready orders present, choose sort by Ready Date Ascending, then change to Descending	Ascending: earliest Ready Date appears first; Descending: latest Ready Date appears first; order list updates correctly each time
RWO11	Orders Ready filtered List	Sort	**Nominal Invalid identical key values**	Create 2–3 ready orders with same Ready date/time or amount; sort by that key	Orders with identical sort key remain grouped; secondary sort (e.g. Order#) is applied consistently with no random reordering
RWO12	Orders Ready filtered List	Filter by order number or customer name (Order#)	**Nominal Exact Order# match**	Note an existing Ready Order# (e.g. ORD12345); type full value into filter field and apply	Only the ready order with Order# ORD12345 is shown; results count = 1
RWO13	Orders Ready filtered List	Filter by order number or customer name (Order#)	**Lower Bound Non-existent Order# and minimum length behavior**	Enter a valid-format but unused Order# (e.g. ORD99999) or minimum allowed characters; apply	List shows “No results”; no crash or backend error; filter value remains visible
RWO14	Orders Ready filtered List	Filter by order number or customer name (Order#)	**Lower Bound Invalid leading/trailing spaces and non-numeric / invalid characters**	Input " ORD12345 " then "@@@###" and apply each	For spaced input: spaces are trimmed, valid ready order is found; For invalid characters: either validation message is shown or “No results” returned, per
RWO15	Orders Ready filtered List	Filter by order number or customer name (Customer name)	**Lower Bound Valid case-insensitive partial name search**	Have a ready order for customer John Smith; type john or SMI in filter and apply	Ready orders whose customer name contains the entered string (John Smith) are returned regardless of case
RWO16	Orders Ready filtered List	Filter by order number or customer name (Customer name)	**Nominal Invalid special characters in name**	Have ready orders for Jean-Paul and O’Neil; search using Jean, Paul, O'Neil	Corresponding ready orders are returned; hyphen and apostrophe are handled correctly; no search error
RWO17	Orders Ready filtered List	Filter by order number or customer name (Customer	**Upper Bound valid combined name search + other filters**	Have two customers named Alex with different Order types / Payment Status in Ready state; set name filter	Only ready orders for customers named Alex and matching Delivery + Paid appear; other Alex ready orders are excluded
RWO18	Orders Ready filtered List	Filter by order number or customer name	**Upper Bound Invalid search box is cleared**	Apply any valid search (Order# or name) so ready list is filtered; then clear the text and apply	Filter is removed; list reverts to full set of Ready orders respecting only Order type / Payment Status / Sort settings