Okay, here's a breakdown of the WatchList functionality based on the provided requirements, including user stories, acceptance criteria, and end-to-end test cases. I'll focus on the core requirements of Feature 1 (Tagging Items from Show Page) and Feature 2 (Showing WatchList items). I'll also include a user story for edge cases.

Feature: WatchList - Tagging Items From Show Page

USWatchList.1 - DE

*   **User Story:** As a User of a STB, I want to be able to Add and Remove Items to my WatchList from any ShowPage.

Acceptance Criteria & Test Cases:

ACWatchList.1.1: Profiling the WatchList functionality

*   **Given:** I navigate to a ShowPage for a build that has *not* had the WatchList functionality enabled.
*   **When:** [No specific action needed - this is a passive check]
*   **Then:** I should *not* be able to see a new WatchList button.

Test Case: WatchList Functionality Not Enabled - Button Absence

Test Step	Action	Expected Result

| Step 1 | Navigate to a ShowPage on a STB build without WatchList enabled | A WatchList button (e.g., "Add", "Add Series") is *not* present. |

ACWatchList.1.2: Displaying a WatchList button on the ShowPage

*   **Given:** I am using a Sky DE Q STB build that has the new WatchList functionality enabled.
*   **When:** I navigate to a ShowPage for a piece of content.
*   **Then:** I should be able to access the WatchList button in the appropriate part of that Show Page (based on the Type of Content, and also whether it had previously been added to my WatchList).

Test Case: WatchList Functionality Enabled - Button Presence (Add Programme)

Test Step	Action	Expected Result
Step 1	Navigate to a ShowPage for a Programme that is *not* in the WatchList.	A WatchList button with the text "Add" is displayed in the appropriate position on the ShowPage.

Test Case: WatchList Functionality Enabled - Button Presence (Add Series)

Test Step	Action	Expected Result
Step 1	Navigate to a ShowPage for a Series that is *not* in the WatchList.	A WatchList button

with the text "Add Series" is displayed in the appropriate position on the ShowPage. |

Test Case: WatchList Functionality Enabled - Button Presence (Remove Programme)

Test Step	Action	Expected Result
Step 1	Navigate to a ShowPage for a Programme that *is* in the WatchList.	A WatchList button with the text "Remove" is displayed in the appropriate position on the ShowPage.

Test Case: WatchList Functionality Enabled - Button Presence (Remove Series)

Test Step	Action	Expected Result
Step 1	Navigate to a ShowPage for a Series that *is* in the WatchList.	A WatchList button with the text "Remove Series" is displayed in the appropriate position on the ShowPage.

ACWatchList.1.3: Activating the WatchList button.

*   **Given:** The user has accessed a ShowPage and moved the focus over the WatchList button (see above).
*   **When:** The user selects the WatchList button.
*   **Then:** The button should toggle ("Add" or "Add Series" becomes "Remove" or "Remove Series" and vice versa) and the STB should update its internal persistent store of WatchList items

accordingly.

Test Case: Add Programme to WatchList

Test Step	Action	Expected Result
Step 1	Navigate to a ShowPage for a Programme that is *not* in the WatchList (button displays "Add").	The WatchList button displays "Add".
Step 2	Select the WatchList button.	The WatchList button changes to "Remove", and the programme is added to the internal WatchList data store.

Test Case: Remove Series from WatchList

Test Step	Action	Expected Result
Step 1	Navigate to a ShowPage for a Series that *is* in the WatchList (button displays "Remove Series").	The WatchList button displays "Remove Series".
Step 2	Select the WatchList button.	The WatchList button changes to "Add Series", and the series is removed from the internal WatchList data store.

ACWatchList.1.4: Persisting WatchList information across reboots

*   **Given:** The user has persisted one or more WatchList items.
*   **When:** The STB has been power cycled and the user has re-navigated to the corresponding Show Page for a Programme or Series / Show.
*   **Then:** The WatchList button shown on the corresponding Show Page should reflect that (and vice versa).

Test Case: Reboot Persisted Add Programme

Test Step	Action	Expected Result
Step 1	Add a Programme to the WatchList.	The Programme is added to the WatchList.
Step 2	Power cycle the STB.	The STB restarts.
Step 3	Navigate to the ShowPage for the Programme added in Step 1.	The WatchList button on the ShowPage displays "Remove".

Test Case: Reboot Persisted Remove Series

Test Step	Action	Expected Result

| --|
Step 1	Add a Series to the WatchList	The Series is added to the WatchList.
Step 2	Remove the Series from the WatchList.	The Series is removed from the WatchList.
Step 3	Power cycle the STB.	The STB restarts.
Step 4	Navigate to the ShowPage for the Series that was removed in Step 2.	The WatchList button on the ShowPage displays "Add Series".

Feature: WatchList - Showing WatchList Items

USWatchList.2 - DE

*   **User Story:** As a User of a SKY DE STB, I want to be able to find content via my WatchList Page.

Acceptance Criteria & Test Cases:

ACWatchList.2.1: Viewing the WatchList page with items

*   **Given:** A STB build that has the WatchList functionality enabled and the user has previously added one or more items to Watchlist with a valid network connection.
*   **When:** The User navigates to the WatchList menu item.
*   **Then:** The Grid of WatchList items will be displayed.

Test Case: WatchList page with items

Test Step	Action	Expected Result
Step 1	Ensure the STB has a network connection and has Watchlist functionality enabled.	STB is connected to the internet.
Step 2	Add one or more items to the WatchList.	Items are added to the WatchList.
Step 3	Navigate to the WatchList menu item.	A Grid of WatchList items is displayed, showing the items added in Step 2, in the order they were added.

ACWatchList.2.2: Opening a Show Page from WatchList for an item that remains available

* **Given:** The user has entered the Watchlist page.
* **When:** The User selects an Item from the Grid View.
* **Then:** A Show Page will be shown for that item.

Test Case: Navigating to Show Page from WatchList

Test Step	Action	Expected Result
Step 1	Navigate to the WatchList page.	The WatchList page is displayed.
Step 2	Select an item from the WatchList Grid.	The Show Page for the selected item is displayed.

ACWatchList.2.3: Hiding the WatchList menu options when the WatchList functionality is not enabled

*   **Given:** A STB build that has *not* had the WatchList functionality enabled
*   **When:** The User brings up the Home Screen
*   **Then:** The WatchList Top Level menu item will *not* be available to the User.

Test Case: Check Home Screen for WatchList Top Level Menu

Test Step	Action	Expected Result
Step 1	Ensure the STB is not enabled with the WatchList functionality.	The WatchList is not enabled.
Step 2	Open the Home Screen.	The WatchList Top Level menu option is not available or displayed on the Home Screen.

Feature: WatchList - Handling Edge Cases

USWatchList.3 - DE

*   **User Story:** As a User of a SKY DE STB that has the WatchList functionality enabled, I want the various edge cases associated with WatchList to be handled

Acceptance Criteria & Test Cases:

ACWatchList.3.2: Attempting to view the WatchList page when disconnected

* **Given:** A STB build that has the WatchList functionality enabled without a valid network connection.
* **When:** The User goes to the WatchList menu item.
* **Then:** An error message will be displayed on the pane.

Test Case: Attempting to view WatchList with No Internet Connection

Test Step	Action	Expected Result
Step 1	Disconnect the STB from the internet.	STB is not connected to the internet.
Step 2	Navigate to the WatchList menu item.	An error message indicating no internet connection is displayed.

ACWatchList.3.3: Viewing an empty WatchList page

* **Given:** A STB build that has the WatchList functionality enabled and the user has not previously added any items to their Watchlist but has a valid network connection
* **When:** The User goes to the WatchList menu.
* **Then:** An appropriate message will be displayed on the pane

Test Case: Viewing an Empty WatchList

Test Step	Action	Expected Result
Step 1	Ensure the STB has a network connection and Watchlist functionality is enabled.	STB

is connected to the internet, and has WL enabled. |

| Step 2 | Navigate to the WatchList Menu Item. | A message is displayed on the pane explaining how to add items to WatchList |

ACWatchList.3.8: Reaching the WatchList Limit

* **Given:** The user has a WatchList enabled STB.
* **When:** The user attempts to add more items to their WatchList than is permitted.
* **Then:** The STB will not exceed the built in limit but will display an appropriate OSM.

Test Case: Exceeding WatchList Limit

Test Step	Action	Expected Result
Step 1	Add items to the WatchList until it contains one less than the maximum allowed items.	The WatchList contains the maximum number of permitted items.
Step 2	Attempt to add another item to the WatchList.	An OSM (On Screen Message) is displayed indicating the WatchList is full, and the item is not added.

These user stories, acceptance criteria, and test cases cover the core aspects of tagging items from the show page, displaying the WatchList, and handling some essential edge cases. This should provide a solid base for QA testing and validation of the WatchList functionality on the Sky DE STB. Remember that these examples should be expanded with additional tests, and always consult with development and product teams for specifics.