

BadgerSoft FAQ List — Certification Testing Guide

Solution Overview

Property	Value
Solution Name	BadgerSoft FAQ List
Version	1.0.2.3
Package	badgersoft-faq-list.sppkg
Framework	SPFx 1.20.x

Permissions & Data Access

- **No Microsoft Graph API permissions** requested
- **No external API calls** in read/view mode
- Data access is limited to **SharePoint list items** on the current site via PnPjs
- The webpart does **not** require custom script permissions (`requiresCustomScript: false`)
- License validation (edit mode only) calls an Azure Function proxy — this is non-blocking and fail-open

Supported Hosts

- SharePoint Web Part (modern pages)
- SharePoint Full Page App
- Microsoft Teams Tab
- Microsoft Teams Personal App

Prerequisites

To test this webpart you need:

1. A **SharePoint Online** site (any template)
2. A **SharePoint list** with at least:
 - One **Single line of text** column (for questions)
 - One **Multiple lines of text** column with rich text enabled (for answers)
 - Optionally: one **Choice** column (for category/grouping)

Sample Test List Setup

Create a list called "**FAQ**" with these columns:

Column	Type	Purpose
Title	Single line of text	FAQ question (default column)
Answer	Multiple lines of text (Rich text)	FAQ answer
Category	Choice	Grouping/tabbing (values: General, Account, Technical)

Add 10-15 sample items across the three categories.

Sample Test Data

Title	Answer	Category
How do I reset my password?	Go to Settings > Security > Change Password. You will receive a confirmation email.	Account
What browsers are supported?	We support the latest versions of Edge, Chrome, Firefox, and Safari.	Technical
What are your business hours?	Our offices are open Monday through Friday, 9:00 AM to 5:00 PM.	General
How do I enable two-factor authentication?	Navigate to Settings > Security > Two-Factor Authentication and follow the setup wizard.	Account
Can I export my data?	Yes, go to Settings > Data > Export. You can export as CSV or JSON.	Technical
Where can I find the user manual?	The user manual is available in the Help section of the main navigation menu.	General
How do I change my email address?	Go to Settings > Profile > Email. A verification link will be sent to your new address.	Account
What is the maximum file upload size?	The maximum upload size is 250 MB per file.	Technical
Do you offer phone support?	Phone support is available for premium plan customers during business hours.	General

Title	Answer	Category
How do I delete my account?	Contact support with your account details. Account deletion is processed within 5 business days.	Account

Installation

1. Upload `badgersoft-faq-list.sppkg` to the **App Catalog**
 2. Deploy the solution (no API permission approval needed)
 3. Navigate to a modern SharePoint page
 4. Edit the page and add the **FAQ List** webpart (found in the Advanced section)
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Test Scenarios

Test 1: Initial Configuration & Auto-Detection

Steps:

1. Add the FAQ List webpart to a page
2. The webpart shows a configuration placeholder with a "Configure" button
3. Click the **Configure** button or open the property pane
4. In the **List** dropdown, select your FAQ list

Expected result:

- The **Question column** and **Answer column** dropdowns automatically populate with detected columns
 - Single line of text columns appear in the Question dropdown
 - Rich text / multi-line columns appear in the Answer dropdown
 - If there is exactly one match per type, it is auto-selected
 - FAQ items appear immediately on the page
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Test 2: List View (Default Layout)

Steps:

1. Ensure Display Style is set to **List**
2. View the webpart on the page

Expected result:

- All FAQ items display as an accordion list
- Clicking a question expands the answer below it

- Clicking again collapses it
 - Multiple items can be open simultaneously (default behavior)
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Test 3: Grouped Layout

Steps:

1. Open the property pane
2. Set Display Style to **Grouped**
3. Select the **Category** column in the "Group by" dropdown

Expected result:

- Items are organized under collapsible category headers (General, Account, Technical)
 - Each group shows its item count
 - Expanding a group reveals the FAQ accordion within
 - Groups can be independently expanded/collapsed
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Test 4: Tabbed Layout

Steps:

1. Open the property pane
2. Set Display Style to **Tabbed**
3. Select the **Category** column in the "Group by" dropdown

Expected result:

- A tab bar appears with one tab per category
 - Each tab shows its item count
 - Clicking a tab shows only that category's FAQ items
 - Items within a tab work as an accordion
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Test 5: Search

Steps:

1. In the property pane, enable **Show search box**
2. Type a search term (e.g., "password") in the search box

Expected result:

- Results filter in real-time after 2+ characters
- Matching text is highlighted in yellow in both questions and answers
- Non-matching items are hidden
- Clearing the search restores all items

- Search works in all three layout modes
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Test 6: Accordion Mode

Steps:

1. In the property pane, under Behavior, set the collapse mode to **Accordion**
2. Click on a question to expand it
3. Click on a different question

Expected result:

- The previously open item closes automatically
 - Only one item is open at a time
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Test 7: Styling Options

Steps:

1. In the property pane, toggle each styling option:
 - **Spacing:** switch between Compact, Normal, and Spacious
 - **Border style:** switch between None, Full, and Bottom
 - **Bold headers:** toggle on/off
 - **Hover effect:** toggle on/off

Expected result:

- Each change is reflected immediately in the webpart
 - Compact reduces padding, Spacious increases it
 - Border Full adds a box border, Bottom adds only a bottom line
 - Bold makes question headers semibold
 - Hover adds a subtle background highlight on mouse-over
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Test 8: Load More / Pagination

Steps:

1. Ensure the list has more items than the configured page size
2. In the property pane, set **Page size** to 10 (minimum)
3. View the webpart

Expected result:

- Only the first batch of items loads initially
- A "Load more" button appears at the bottom showing remaining item count
- Clicking it loads the next batch

- In grouped/tabbed views, each group paginates independently
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Test 9: Item Count

Steps:

1. In the property pane, enable **Show item count**

Expected result:

- Total FAQ count is displayed above the list
 - In grouped view, each group header shows its own count
 - In tabbed view, each tab shows its item count
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Test 10: List View Support

Steps:

1. Create a filtered view on the SharePoint list (e.g., only "Technical" category)
2. In the property pane, under Behavior, select that view in the **Use a view** dropdown

Expected result:

- Only items matching the view's filter are displayed
 - Sort order from the view is applied
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Test 11: Theme Support

Steps:

1. Apply a different SharePoint site theme
2. If available, test with a dark mode / high-contrast theme

Expected result:

- Webpart colors adapt to the site theme
 - Text remains readable with proper contrast
 - Icons and accents use the theme's primary color
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Test 12: Empty & Error States

Steps:

1. Configure the webpart to point to an empty list
2. Remove the list selection (clear configuration)

Expected result:

- Empty list: shows "No FAQs found" message with icon
 - No configuration: shows the configuration placeholder with instructions
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Test 13: Licensing & Soft Lock Banner

Steps:

1. Add the webpart to a page (no license key configured)
2. Open the property pane (click Edit on the webpart)
3. Observe the license banner that appears

Expected result:

- A banner displays with the title "License not found" and a brief explanation
- A "Learn more" link points to the BadgerSoft product page
- A "Got it" dismiss button is shown
- While the banner is visible, **all configuration fields are hidden** — only the banner and the About page are accessible
- Clicking "Got it" dismisses the banner and reveals the full property pane configuration
- The dismiss is **per-session only** — reopening the property pane after a page refresh shows the banner again

Important design notes:

- The license check runs **only when the property pane opens** (edit mode), never on page load
 - End-users viewing the page are **never affected** by license status
 - If the license check fails (network error, proxy down), the webpart defaults to **licensed** (fail-open design)
 - The About page always shows the current license status (green checkmark if licensed, red cross if not)
 - The banner is fully localized in all 5 supported languages
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Test 14: Microsoft Teams

Steps:

1. Add the webpart as a tab in a Teams channel
2. Interact with the FAQ items

Expected result:

- Webpart renders correctly within Teams
 - All features (search, layouts, styling) work the same as in SharePoint
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Security Notes

- All HTML in answers is sanitized with **DOMPurify** before rendering (XSS protection)
- No data is sent to external services during normal page viewing
- No cookies or local storage are used
- No custom scripts are injected into the page
- The webpart operates within the standard SPFx security sandbox