

Reorderer QA Test Plan - Grid Reorderer

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Environments

Browser	Version
Chrome	Latest Stable Release
Firefox	Latest Stable Release
Internet Explorer	Latest Stable Release
MS Edge	Latest Stable Release
Safari [fluid:1]	Latest Stable Release

[fluid:1] keyboard a11y can be slightly improved if you select the "all controls" option from "Keyboard Shortcuts" under the "Keyboard & Mouse" settings. May also need to use "option + tab" for tab navigation.

General QA Guidelines

General Use

- Does the tool behave the way that you would expect
- Are you surprised by anything
- Does something take longer than you would expect
- When the tool does something unexpected or takes too long to do something, does the tool provide appropriate feedback

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Specification

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QA Tests

Protocol

Perform the following tests using each browser/system environment

Report issues at: <http://issues.fluidproject.org/secure/Dashboard.jspa>



Please search for issues before reporting them, so as to limit the number of duplicate entries.

[Reorderer Jira Filter](#)

Unit Test

Protocol

Launch the following website to execute unit tests.

Site

<http://build.fluidproject.org/infusion/tests/component-tests/reorderer/all-tests.html>

State Tests

Description

Ensures that the component properly traverses through the various states.

Protocol

Perform these tasks on the following site, perform the tests 1-4 and 5-7 in order.

Site

[Demo](#)

Mouse

Test 1: Mouseover

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the mouse, hover over one of the boxes
- Expected Results
 - The pointer should be a move cursor (cross or hand)
 - The styling of the border around the box should change

Test 2: Mouse, Pickup Avatar

- Procedure
 1. Complete Test 1
 2. Using the mouse, press and hold the 'left-mouse-button' down
 3. Using the mouse, drag slightly to the right
- Expected Results
 - An avatar (representing the box) should be created
 - The avatar should remain under the pointer as you drag around

Test 3: Mouse, Move Avatar

- Procedure
 1. Complete Test 2
 2. Using the mouse, drag the avatar around the screen
- Expected Results
 - Notice that drop targets appear as you move over valid drop points

Test 4: Mouse, Drop Avatar

- Procedure
 1. Complete Test 3
 2. Using the mouse, release the 'left-mouse-button' over a drop target
- Expected Results
 - The avatar should drop and move the box to the new location
 - The other boxes should shift to fill in the empty space where the box was originally located

Keyboard

Test 5: Keyboard, Focus

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the keyboard, tap the 'tab' key until one of the boxes has focus
- Expected Results
 - The styling of the element should change to indicate that the box has focus

Test 6: Keyboard, Navigate Boxes

- Procedure
 1. Complete Test 5
 2. Using the keyboard, tap the 'i', 'j', 'k', 'm', or an 'arrow'
- Expected Results
 - The keyboard focus styling should move to the other element

- 'i' or 'up arrow' to move up
- 'm' or 'down arrow' to move down
- 'j' or 'left arrow' to move left
- 'k' or 'right arrow' to move right

Test 7: Keyboard, Move Box

- Procedure
 1. Complete Test 6
 2. Using the keyboard, hold the 'ctrl' key (On Mac OS you'll need to also hold the 'command/Apple' key when using the arrows)
 3. Using the keyboard, while still holding down the 'ctrl' key use the navigation keys (see Test 6) to move the box
- Expected Results
 - The box should move with the presses of the navigation key
 - The other boxes should shift to fill in the empty space where the box was originally located

Assistive Technology (AT)

Test 8: AT Tests

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the above state tests (Test 1 - 7) as a guide, attempt to navigate through each state of the system
 - a. Example ATs
 - i. Screen Readers: [JAWS](#), [NVDA](#), [VoiceOver](#), [Orca](#)
 - ii. Built in AT features: [Windows](#), [Mac](#), [Linux](#), [iOS](#), [Android](#)
 - iii. Others ATs: Speech Recognition, Screen Magnifiers, switch access, etc.
- Expected Results
 - All states of the system should be reachable and usable while using the AT

Task Oriented Functional Tests

Description

Ensures that the component is able to handle expected input.

Protocol

Perform these tasks on the following site.

Site

[Demo](#)

Test 1: Move Box

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the mouse, hover over one of the boxes
 3. Using the mouse, press and hold the 'left-mouse-button' down
 4. Using the mouse, drag the avatar around the screen
 5. Using the mouse, release the 'left-mouse-button' over a drop target
- Expected Results
 - The avatar should drop and move the box to the new location
 - The other boxes should shift to fill in the empty space where the box was originally located
- Stop Test
 - Refresh the browser to return the page to its initial state

Test 2: Scroll Page

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Adjust the browser size so that a vertical scroll bar appears
 3. Using the mouse, hover over one of the boxes
 4. Using the mouse, press and hold the 'left-mouse-button' down
 5. Using the mouse, attempt to drag the avatar to a drop target that is currently off screen
 6. Using the mouse, release the 'left-mouse-button' over a drop target
- Expected Results
 - The screen should scroll, revealing the drop targets which were off screen
 - The avatar should drop and move the box to the new location
 - The other boxes should shift to fill in the empty space where the box was originally located
- Stop Test
 - Refresh the browser to return the page to its initial state
 - Reset your browser size

Boundary Tests

Description

Ensures proper functionality at the input limits

Protocol

Perform these tasks on the following site.

Site

[Demo](#)

Test 1: Move to First Position

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the mouse, hover over one of the boxes
 3. Using the mouse, press and hold the 'left-mouse-button' down
 4. Using the mouse, drag the avatar in front of the first box
 5. Using the mouse, release the 'left-mouse-button' over the drop target
- Expected Results
 - The avatar should drop and move the box to the new location
 - The other boxes should shift to fill in the empty space where the list box was originally located
- Stop Test
 - Refresh the browser to return the page to its initial state

Test 2: Move to Last Position

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the mouse, hover over one of the boxes
 3. Using the mouse, press and hold the 'left-mouse-button' down
 4. Using the mouse, drag the avatar after the last box
 5. Using the mouse, release the 'left-mouse-button' over a drop target
- Expected Results
 - The avatar should drop and move the box to the new location
 - The other boxes should shift to fill in the empty space where the box was originally located
- Stop Test
 - Refresh the browser to return the page to its initial state

Test 3: Keyboard Navigation No Wrap

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the keyboard, tap the 'tab' key until one of the boxes has focus
 3. Using the keyboard, tap the 'i', 'j', 'k', 'm', or an 'arrow'
 4. Using the keyboard, continue tapping the same key until at the end of the row/column.
 5. Using the keyboard, tap the same key again
- Expected Results
 - The focus navigation should not wrap (e.g. from bottom element to top element, with a down direction)
- Stop Test
 - Refresh the browser to return the page to its initial state

Test 4: Keyboard Move No Wrap

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the keyboard, tap the 'tab' key until one of the boxes has focus
 3. Using the keyboard, hold the 'ctrl' key
 4. Using the keyboard, tap the 'i', 'j', 'k', 'm', or an 'arrow'
 5. Using the keyboard, continue tapping the same key until at the end of the row/column
 6. Using the keyboard, tap the same key again
- Expected Results
 - The box's movement should not wrap (e.g. move from the bottom to the top, with a call to move down)
- Stop Test
 - Refresh the browser to return the page to its initial state

Test 5: Drop, not on a valid drop target

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the mouse, hover over one of the boxes
 3. Using the mouse, press and hold the 'left-mouse-button' down
 4. Using the mouse, drag the avatar out of the list and onto some whitespace in the browser
 5. Using the mouse, release the 'left-mouse-button'
- Expected Results
 - A drop target should always be present
 - The avatar should drop to the location of the drop target
- Stop Test
 - Refresh the browser to return the page to its initial state

Test 6: Drop out of browser

- Procedure
 1. Open the browser and navigate to the specified URL

- 2. Adjust the size of the browser so that the desktop is visible
- 3. Using the mouse, hover over one of the boxes
- 4. Using the mouse, press and hold the 'left-mouse-button' down
- 5. Using the mouse, drag the avatar out of the browser
- 6. Using the mouse, release the 'left-mouse-button'
- Expected Results
 - The avatar should drop to the location of the drop target
- Stop Test
 - Refresh the browser to return the page to its initial state

Test-to-Fail

Description

Tests which should cause errors or not be accepted as input

Protocol

Perform these tasks on the following site.

Site

[Demo](#)

Test 1: Keyboard, Attempt to tab through all boxes

- Procedure
 1. Open the browser and navigate to the specified URL
 2. Using the keyboard, tap the 'tab' key until one of the boxes has focus
 3. Using the keyboard, tap either 'shift-tab' or 'tab' to navigate through the portlets
- Expected Results
 - On pressing 'shift-tab' or 'tab' focus should not be on any of the reorderable boxes. Only the 'i', 'j', 'k', 'm', or an 'arrow' keys should move focus between the reorderable boxes.
- Stop Test
 - Refresh the browser to return the page to its initial state

Validation

Description

Tests to ensure that specifications are being met

Protocol

Perform these tasks on the following site.

Site

[Demo](#)

Test 1: HTML Validation

- Procedure
 1. Open the browser and navigate to the specified URL
 2. For each state of the system (see: [State Tests](#)), validate the HTML markup
 - a. Tools for validation
 - i. [Nu HTML Checker Bookmarklet](#)
- Expected Results
 - All of the HTML markup should properly validate in all states.
- Stop Test
 - Refresh the browser to return the page to its initial state
 - Quit the tool you are using to validate

Test 2: WCAG Validation

- Procedure
 1. Open the browser and navigate to the specified URL
 2. For each state of the system (see: [State Tests](#)), ensure that the WCAG guidelines are being met to at least AA level
 - a. Tools for validation (Note: Automated tools are not yet capable of catching all issues. It is important to go through the checklist, making use of automated tools where possible, and manual processes otherwise).
 - i. [WCAG AODA accessibility audit checklist](#)
 - ii. [tota11y Bookmarklet](#)
- Expected Results
 - Passes WCAG 2.0 AA requirements
- Stop Test
 - Refresh the browser to return the page to its initial state
 - Quit the tool you are using to validate

Ad-hoc

Description

Improvised tests for quickly discovering critical issues, and uncovering ones that may be outside of formalized testing.

Protocol

Attempt to use the tool in various situations, using your imagination and freedom to explore the interface and interactions.

Site

[Demo](#)