

# Video Player QA Test Plan

## Video Player QA Test Plan

### Environments

Unable to render {include} The included page could not be found.

### 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?

#### On This Page

- [QA Tests](#)
  - [Unit Test](#)
  - [Manual Tests](#)
    - [Mouse Functionality](#)
      - [Page Load, Basic Play/Pause](#)
      - [Controls: Play Button](#)
      - [Controls: Volume Controls](#)
      - [Controls: Caption Controls](#)
      - [Controls: Transcript Controls](#)
      - [Controls: Scrubber Bar](#)
      - [Transcript Navigation](#)
      - [Controls: Full-Screen Controls](#)
    - [Keyboard Functionality](#)
      - [Keyboard Play/Pause](#)
      - [Keyboard Controls: Play Button](#)
      - [Keyboard Controls: Volume Controls](#)
      - [Keyboard Controls: Caption Controls](#)
      - [Keyboard Controls: Transcript Controls](#)
      - [Keyboard Controls: Scrubber Bar](#)
      - [Keyboard Transcript Navigation](#)
      - [Keyboard Controls: Full-Screen Controls](#)

#### Specification

- [\(Floe\) video player mockups \(final\)](#)
- [\(Floe\) video player interactions](#)

## 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: [Video Player JIRA Filter](#)

Currently known issues are indicated on this page by their JIRA number.

- If you note during your testing that an issue has been resolved, please edit this page and remove the JIRA number.
- If you file a JIRA for a new issue, please edit this page and add the JIRA number beside the relevant 'expected result.'

## Unit Test

### Protocol

Launch the following website to execute unit tests.

Video Player Test Suite:

<http://build.fluidproject.org/videoPlayer/videoPlayer/tests/all-tests.html>

## Manual Tests

### Description

Ensures that the component properly functions on the aspects that are not covered by the integration test.

### Protocol

Perform these tasks on the following site, perform the tests in order.

Video player sample:

[One video player per page](#)

[Multiple video players per page](#)

## Mouse Functionality

### Page Load, Basic Play/Pause

| Procedure  | Expected Results   |
|--|--|
| Load the "One video player per page" demo in a browser window.                         | <ul style="list-style-type: none"><li>Page should show video player container.</li><li>Video should not play automatically.</li><li>Video player container should show a symbol overlay. <a href="#">FLUID-4599</a></li><li>Control menu should not be visible.</li><li>Transcript area should not be visible.</li><li>Captions should not be displayed.</li></ul> |
| Using the mouse, hover over the video player.  | <ul style="list-style-type: none"><li>On hover, the scrubber bar and control buttons should appear.</li><li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li></ul>   |
| Move the mouse away from the video player.   | <ul style="list-style-type: none"><li>Scrubber bar and control buttons should disappear. <a href="#">FLUID-4652</a></li><li>Play symbol overlay should remain. <a href="#">FLUID-4599</a></li></ul>  |
| Click somewhere in the centre of the video area. Leave the cursor over the video area. | <ul style="list-style-type: none"><li>Play symbol overlay should disappear.</li><li>Video should play.</li><li>Play symbol on the Play/Pause button at the left end of the control buttons should change to a Pause symbol.</li></ul>  |
| Click again somewhere near the centre of the video area                                | <ul style="list-style-type: none"><li>Video should stop playing.</li><li>Play symbol overlay should NOT re-appear. <a href="#">VP-273</a></li><li>Pause symbol on the Play/Pause button at the left end of the control buttons should change to a Play symbol.</li></ul>   |

### Controls: Play Button

| Procedure   | Expected Results   |
|---|--|
| Move the mouse cursor over the video; controls will appear. Hover over the Play button. | <ul style="list-style-type: none"><li>Play button should get a darker background.</li><li>Tooltip containing "Play" should appear near the Play button.</li></ul>  |
| Click on the Play button. Keep mouse positioned over the button.                        | <ul style="list-style-type: none"><li>Video should play.</li><li>Play button should change to a Pause button.</li><li>Tooltip text should change to contain "Pause".</li></ul>                               |
| Click the Pause button.   | <ul style="list-style-type: none"><li>Video should stop playing.</li><li>Pause button should change to a Play button.</li><li>Tooltip should change to contain "Play."</li></ul>                             |
| Click the Play button.  | <ul style="list-style-type: none"><li>Video should resume playing where it was paused.</li><li>Play button should change to a Pause button.</li><li>Tooltip text should change to contain "Pause".</li></ul> |

### Controls: Volume Controls

| Procedure   | Expected Results  |
|---|---|
| Move the mouse cursor over the video; controls will appear.<br>Hover over the Volume button.  | <ul style="list-style-type: none"> <li>Volume button should get a darker background.</li> <li>Vertical volume slider at should appear above Volume button.</li> <li>Slider thumb should be at roughly 50%.</li> <li>Slider under the thumb should be a different colour than the slider above the thumb.</li> <li>Tooltip containing "Volume" should appear near the Volume button. <a href="#">FLUID-4859</a></li> </ul> |
| Click the Volume button. Keep mouse positioned over the button.   | <ul style="list-style-type: none"> <li>Volume button should change to a Muted button (speaker symbol with an X).</li> <li>Slider thumb should drop to bottom.</li> <li>Tooltip should remain unchanged. Should say "Volume". <a href="#">FLUID-4859</a></li> </ul>  |
| Click the Volume button again. Keep mouse positioned over the button.   | <ul style="list-style-type: none"> <li>Muted button should change to back a Volume button).</li> <li>Slider thumb should return to original position.</li> <li>Tooltip should not change. Should say "Volume". <a href="#">FLUID-4859</a></li> </ul>  |
| Use the mouse to drag the volume slider thumb control up or down.   | <ul style="list-style-type: none"> <li>The colours above and below the thumb should continue to fill the available space.</li> </ul>  |
| Slide the Volume slider up almost to the top of the slider.<br>Click the Volume button to mute.<br>Click the Volume button again to un-mute.                | <ul style="list-style-type: none"> <li>While muted, the volume slider thumb should drop to the bottom.</li> <li>Once un-muted, the volume slider should return to where you left it, near the top of the slider.</li> </ul>   |
| Slide the Volume slider all the way to the bottom of the slider.  | <ul style="list-style-type: none"> <li>Volume button should change to a Muted button (speaker symbol with an X).</li> </ul>   |
| Slide the Volume slider up away from the bottom of the slider.  | <ul style="list-style-type: none"> <li>Muted button should change back to a Volume button.</li> </ul>   |
| Start the video playing (either by clicking in the video area or on the Play button).<br>While listening to the audio, slide the Volume slider up and down. | <ul style="list-style-type: none"> <li>The volume of the video should be raised and lowered according to the slider.</li> </ul>   |

Pause the video.

### Controls: Caption Controls

| Procedure  | Expected Results   |
|--|--|
| Move the mouse cursor over the video; controls will appear.<br>Hover over the Caption (CC) button. | <ul style="list-style-type: none"> <li>Caption button should get a darker background and "CC" should appear inverted (light text on dark background).</li> <li>Tooltip containing "Captions" should appear near the Captions button.</li> </ul>  |
| Click the Caption (CC) button  | <ul style="list-style-type: none"> <li>The caption menu should appear above the button.</li> <li>The Caption menu should include a list of languages (English and French) and a "Show Caption" option at the bottom of the menu.</li> <li>The English menu item should be bolded.</li> </ul>   |
| Click the Caption button again.  | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> </ul>   |
| Click the Caption button again.  | <ul style="list-style-type: none"> <li>The caption menu should reappear.</li> </ul>  |
| Click the "Show Captions" menu item.   | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> <li>The Captions button should switch to orange on a darker background.</li> <li>An overlay should appear briefly confirming that captions are turned on, then disappear. The overlay should mention the current language, English. <a href="#">FLUID-4601</a></li> </ul> |
| Play the video   | <ul style="list-style-type: none"> <li>English captions should appear, synchronized to the audio.</li> </ul>   |
| Click the Captions button and select French.   | <ul style="list-style-type: none"> <li>Caption should continue to display, but should switch to French captions.</li> <li>An overlay should appear briefly confirming the new language choice, French (and that captions are on) then disappear. <a href="#">FLUID-4601</a></li> </ul>   |

|  |  |
|--|--|
| Click the Captions button and select "Hide Captions" | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> <li>The captions should disappear.</li> <li>The "CC" symbol should return to dark grey text on lighter grey background.</li> <li>An overlay should appear briefly confirming that captions are turned off, then disappear. The overlay should mention the current language, French. <a href="#">FLUID-4601</a></li> </ul> |
| Click the Captions button and select "English"       | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> <li>English captions should display with the video.</li> <li>An overlay should appear briefly confirming that captions are turned on, then disappear. The overlay should mention the current language, English. <a href="#">FLUID-4601</a></li> </ul>   |

Pause the video and reload the page.

### Controls: Transcript Controls

| Procedure   | Expected Results  |
|---|---|
| Move the mouse cursor over the video; controls will appear.<br>Hover over the Transcripts button. | <ul style="list-style-type: none"> <li>Transcripts button should get a darker background.</li> <li>Tooltip containing "Transcripts" should appear near the Transcripts button.</li> </ul>   |
| Click on the Transcript button  | <ul style="list-style-type: none"> <li>The transcript menu should appear above the button.</li> <li>The Transcript menu should include a list of languages (English and French) and a "Show Transcript" option at the bottom of the menu.</li> <li>The English menu item should be bolded.</li> </ul> |
| Click the Transcript button again.  | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> </ul>   |
| Click the Transcript button again.  | <ul style="list-style-type: none"> <li>The transcript menu should reappear.</li> </ul>  |
| Click the "Show Transcripts" menu item.   | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript area should appear to the right of the video area, containing English transcripts.</li> <li>The icon in the Transcripts button should switch to orange.</li> </ul>                               |
| Click the Transcript button and select French.  | <ul style="list-style-type: none"> <li>Content of transcript area should switch to French transcripts.</li> </ul>   |
| Click the Transcript button and select "Hide Transcript"  | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript area should disappear.</li> <li>The icon in the Transcripts button should switch to back to white.</li> </ul>  |
| Click the Transcript button and select "English"  | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript are should appear on the right, containing English transcripts.</li> </ul>   |

⚠️ Todo:

- Change transcript language
- Open and close using "X" button.

### Controls: Scrubber Bar

| Procedure   | Expected Results   |
|---|--|
| Move the mouse cursor over the video; controls will appear.<br>Use the Captions button to show captions.<br>Use the Transcripts button to show transcripts.<br>Click anywhere in grey area of scrubber bar. | <ul style="list-style-type: none"> <li>From the beginning of the scrubber bar to where the click happens, the background color turns yellow.</li> <li>The start time on the time box gets updated to a reasonable new time reflecting the click location.</li> <li>The video jumps to another clip reflecting the click location.</li> <li>The caption shows up with the text that's associated with the new video clip.</li> <li>The transcript text scrolls to the transcript text that's associated with the new video clip.</li> </ul> |
| Click elsewhere in the scrubber bar; try different locations.   | <ul style="list-style-type: none"> <li>The results described above should always happen, adjusted to be relevant to the correct spot in the timeline.</li> </ul>   |

Reload the page

## Transcript Navigation

| Procedure   | Expected Results  |
|---|---|
| Reload page   |   |
| Move focus to the video player.   | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>   |
| Activate and show English Transcripts   | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript area should appear to the right of the video area, containing English transcripts.</li> <li>The icon in the Transcripts button should switch to orange.</li> </ul>   |
| Hover over "David Kelley...human centered" in the transcript.                           | <ul style="list-style-type: none"> <li>The text "David Kelley...human centered" should appear blue.</li> </ul>  |
| Select "David Kelley...human centered"  | <ul style="list-style-type: none"> <li>"David Kelley...human centered" should now be white text on blue background.</li> <li>Yellow progress bar should appear on the left of the timeline.</li> <li>Timecode thumb should say "0:18/5:43".</li> <li>Image in video player should show text "David Kelley says.... Most experts agree." and an image of Mr. Kelley on a YouTube video.</li> <li>Video should not be playing.</li> </ul> |
| Press the play button on the video player   | <ul style="list-style-type: none"> <li>Video should start playing from 0:18</li> </ul>  |
| With video still playing, select transcript text below the text currently being played. | <ul style="list-style-type: none"> <li>The video and audio should jump to the position with the corresponding selected text.</li> <li>Time code should change respectively.</li> <li>The video progress bar should change respectively.</li> </ul>  |

## Controls: Full-Screen Controls

| Procedure   | Expected Results   |
|---|--|
| Reload the page   |  |
| Move the mouse cursor over the video; controls will appear.<br>Hover over the Full-screen button.   | <ul style="list-style-type: none"> <li>Full-screen button should get a darker background.</li> <li>Tooltip containing "Full screen" should appear near the Full-screen button.</li> </ul>  |
| Click the Full-screen button  | <ul style="list-style-type: none"> <li>The video should switch into full-screen mode.</li> <li>The video controls should be visible along the bottom of the screen.</li> <li>The Full-screen button icon should switch to a 'small-screen' icon.</li> <li>A message that states "Press ESC to return to exit full screen" (or similar) should appear along the top.</li> </ul> |
| Do not move the mouse or press any keys for a short time.   | <ul style="list-style-type: none"> <li>The controls should disappear.</li> </ul>   |
| Move the mouse.   | <ul style="list-style-type: none"> <li>The controls should reappear.</li> </ul>  |
| Test the mouse functionality as described above: <ul style="list-style-type: none"> <li>Play / pause</li> <li>Volume</li> <li>Captions</li> </ul> | <ul style="list-style-type: none"> <li>All controls should function as they would in non-full-screen mode. Example: <ul style="list-style-type: none"> <li>Tooltips appear properly</li> <li>Button colours change according to state</li> <li>Controls work as expected</li> <li>Positioning and rendering appears correct</li> <li>etc.</li> </ul> </li> </ul>               |
| Play the video  | <ul style="list-style-type: none"> <li>Video should play.</li> <li>Play button should change to a Pause button.</li> <li>Tooltip text should change to contain "Pause".</li> </ul>   |

|   |   |
|---|---|
| While video is playing, click the Full-screen button again. | <ul style="list-style-type: none"> <li>The video should switch back to its original size.</li> <li>Video should continue playing during this transition</li> </ul>  |
| Stop video and click the Full-screen button again.          | <ul style="list-style-type: none"> <li>The video should stop playing.</li> <li>switch into full-screen mode again.</li> <li>remain in a stopped state</li> <li>controls visible, with "ESC to exit full screen" message at top</li> </ul> |
| Press the Escape key.                                       | <ul style="list-style-type: none"> <li>The video should switch back to its original size.</li> </ul>  |

## Keyboard Functionality

### Keyboard Play/Pause

| Procedure   | Expected Results  |
|---|---|
| Load the "One video player per page" demo in a browser window.                    | <ul style="list-style-type: none"> <li>Page should show video player container.</li> <li>Video should not play automatically.</li> <li>Video player container should show a symbol overlay. <a href="#">FLUID-4599</a></li> <li>Control menu should not be visible.</li> <li>Transcript area should not be visible.</li> <li>Captions should not be displayed.</li> </ul> |
| Using only the Tab key on the keyboard, move focus to the video player.           | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>   |
| Press the Space key.  | <ul style="list-style-type: none"> <li>Play symbol overlay should disappear. <a href="#">FLUID-4599</a></li> <li>Video should start playing.</li> <li>Play button should turn into a Pause button.</li> </ul>   |
| Press the Space key again.  | <ul style="list-style-type: none"> <li>Play symbol overlay should not reappear. <a href="#">FLUID-4599</a></li> <li>Video should stop playing.</li> <li>Pause button should turn into a Play button.</li> </ul>   |
| Press Space key   | <ul style="list-style-type: none"> <li>Play symbol overlay should not reappear. <a href="#">FLUID-4599</a></li> <li>Video should stop playing.</li> <li>White on Blue background pause button should be replaced by a play button.</li> </ul>   |
| Repeat the above-mentioned Play/Pause tests using the Enter key instead of Space. | <ul style="list-style-type: none"> <li>Results should be the same.</li> </ul>   |

Reload the page.

### Keyboard Controls: Play Button

| Procedure   | Expected Results  |
|---|---|
| Reload the page   |   |
| Using only the Tab key on the keyboard, move focus to the video player. | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul> |
| Press Tab once more.  | <ul style="list-style-type: none"> <li>The controls should appear. <a href="#">FLUID-4785</a></li> <li>The Play button should appear white on a blue background.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> </ul>   |

|   |   |
|---|---|
| Press Space key   | <ul style="list-style-type: none"> <li>• Play symbol overlay should disappear. <a href="#">FLUID-4599</a></li> <li>• Video should start playing.</li> <li>• Play button should turn into a Pause button.</li> <li>• Pause button should appear as white on blue background.</li> <li>• Tooltip should change to say "Pause" <a href="#">FLUID-4743</a></li> </ul> |
| Press Space key   | <ul style="list-style-type: none"> <li>• Play symbol overlay should not reappear. <a href="#">FLUID-4599</a></li> <li>• Video should stop playing.</li> <li>• White on Blue background pause button should be replaced by a play button.</li> <li>• Tooltip should change to say "Play" <a href="#">FLUID-4743</a></li> </ul>                                     |
| Repeat the above-mentioned Play/Pause tests using the Enter key instead of Space. | <ul style="list-style-type: none"> <li>• Results should be the same.</li> </ul>   |

Reload the page.

### Keyboard Controls: Volume Controls

| Procedure  | Expected Results   |
|--|--|
| Reload the page.   |  |
| Using only the Tab key on the keyboard, move focus to the video player.  | <ul style="list-style-type: none"> <li>• When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>• Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>• The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>  |
| Press Tab two more times.  | <ul style="list-style-type: none"> <li>• The controls should appear. <a href="#">FLUID-4785</a></li> <li>• The Volume button should appear white on a blue background.</li> <li>• Volume slider should appear vertically above the volume button.</li> <li>• Slider thumb should be at roughly 50%.</li> <li>• Slider under the thumb should be a different colour (i.e. yellow) than the slider above the thumb (i.e. white).</li> <li>• Tooltip should say "Volume". <a href="#">FLUID-4859</a></li> </ul> |
| Press and hold Down arrow  | <p>*The volume slider should move down.<br/>*Yellow colour under the slider should decrease while white colour above slider should increase.</p>   |
| Press and hold Up arrow  | <p>*The volume slider should move up.<br/>*Yellow colour under the slider should increase while white colour above slider should decrease.</p>   |
| Press Enter  | <ul style="list-style-type: none"> <li>• Volume button should change to a Muted button (speaker symbol with an X).</li> <li>• Slider thumb should drop to bottom.</li> <li>• Tooltip should say "Volume". <a href="#">FLUID-4859</a></li> </ul>  |
| Press Enter again (Focus should still be on Volume button).  | <ul style="list-style-type: none"> <li>• Muted button should change to back a Volume button.</li> <li>• Slider thumb should return to original position.</li> <li>• Tooltip should not change and should still say "Volume". <a href="#">FLUID-4859</a></li> </ul>   |
| With Volume focused, press Up arrow until the slider is almost to the top of the slider.<br>Press Enter key button to mute.<br>Press Enter key button again to un-mute.  | <ul style="list-style-type: none"> <li>• While muted, the volume slider thumb should drop to the bottom.</li> <li>• Once un-muted, the volume slider should return to where you left it, near the top of the slider.</li> </ul>  |
| Press Down arrow so slider is all the way to the bottom.   | <ul style="list-style-type: none"> <li>• Volume button should change to a Muted button (speaker symbol with an X).</li> </ul>  |
| Slide the Volume slider up away from the bottom of the slider.   | <ul style="list-style-type: none"> <li>• Muted button should change back to a Volume button.</li> </ul>  |
| *Start the video playing (either by clicking in the video area or on the Play button).<br>*Put focus back onto the Volume button by pressing Tab until focused. <ul style="list-style-type: none"> <li>• While listening to the audio, press Up and Down arrow keys to slide the Volume slider up and down.</li> </ul> | <ul style="list-style-type: none"> <li>• The volume of the video should be raised and lowered according to the slider.</li> </ul>  |

### Keyboard Controls: Caption Controls

| Procedure  | Expected Results  |
|--|---|
| Reload the page.   |   |
| Using only the Tab key on the keyboard, move focus to the video player.  | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>   |
| Press Tab four more times.   | <ul style="list-style-type: none"> <li>The controls should appear. <a href="#">FLUID-4785</a><a href="#">FLUID-4863</a></li> <li>Caption button should get a darker background and "CC" should appear inverted (light text on dark background).</li> <li>Tooltip containing "Captions" should appear near the Captions button.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> </ul> |
| Activate the Caption (CC) button by pressing Space or Enter  | <ul style="list-style-type: none"> <li>The caption menu should appear above the button.</li> <li>The Caption menu should include a list of languages (English and French) and a "Show Caption" option at the bottom of the menu.</li> <li>The English menu item should be bolded.</li> </ul>  |
| Deactivate the Caption (CC) button by pressing Space or Enter again.   | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> </ul>  |
| Activate the Caption (CC) button by pressing Space or Enter again.   | <ul style="list-style-type: none"> <li>The caption menu should reappear.</li> </ul>   |
| Activate the "Show Captions" menu item.  | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> <li>The Captions button should switch to orange on a darker background.</li> <li>An overlay should appear briefly confirming that captions are turned on, then disappear. The overlay should mention the current language, English. <a href="#">FLUID-4601</a></li> </ul>  |
| Play the video by shift-tabbing back to the Play button, or by tabbing until the video player is focused and pressing Enter/Space. | <ul style="list-style-type: none"> <li>English captions should appear, synchronized to the audio.</li> </ul>  |
| Tab back to Captions Activate the Captions button and select French.   | <ul style="list-style-type: none"> <li>Caption should continue to display, but should switch to French captions.</li> <li>An overlay should appear briefly confirming the new language choice, French (and that captions are on) then disappear. <a href="#">FLUID-4601</a></li> </ul>  |
| Click the Captions button and select "Hide Captions"   | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> <li>The captions should disappear.</li> <li>The "CC" symbol should return to dark grey text on lighter grey background.</li> <li>An overlay should appear briefly confirming that captions are turned off, then disappear. The overlay should mention the current language, French. <a href="#">FLUID-4601</a></li> </ul>                |
| Activate the Captions button and select "English"  | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> <li>English captions should display with the video.</li> <li>An overlay should appear briefly confirming that captions are turned on, then disappear. The overlay should mention the current language, English. <a href="#">FLUID-4601</a></li> </ul>  |

### Keyboard Controls: Transcript Controls

| Procedure   | Expected Results   |
|---|--|
| Reload page   |  |
| Using only the Tab key on the keyboard, move focus to the video player. | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>  |
| Press Tab five more times.  | <ul style="list-style-type: none"> <li>The controls should appear. <a href="#">FLUID-4785</a><a href="#">FLUID-4863</a></li> <li>Transcript button should get a darker background and transcript icon should appear inverted (light text on dark background).</li> <li>Tooltip containing "Transcripts" should appear near the Transcript button.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> </ul> |



|   |   |
|---|---|
| Activate the Transcript button by pressing Space or Enter   | <ul style="list-style-type: none"> <li>The transcript menu should appear above the button.</li> <li>The Transcript menu should include a list of languages (English and French) and a "Show Transcript" option at the bottom of the menu.</li> <li>The English menu item should be bolded.</li> </ul> |
| Activate the Transcript button again.                       | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> </ul>   |
| Activate the Transcript button again.                       | <ul style="list-style-type: none"> <li>The transcript menu should reappear.</li> </ul>  |
| Activate the "Show Transcripts" menu item.                  | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript area should appear to the right of the video area, containing English transcripts.</li> <li>The icon in the Transcripts button should switch to orange.</li> </ul>                               |
| Activate the Transcript button and select French.           | <ul style="list-style-type: none"> <li>Content of transcript area should switch to French transcripts.</li> </ul>   |
| Activate the Transcript button and select "Hide Transcript" | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript area should disappear.</li> <li>The icon in the Transcripts button should switch to back to white.</li> </ul>  |
| Activate the Transcript button and select "English"         | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript are should appear on the right, containing English transcripts.</li> </ul>   |

**⚠️ Todo:**

- Change transcript language
- Open and close using "X" button.

**Keyboard Controls: Scrubber Bar**

| Procedure  | Expected Results  |
|--|---|
| Reload page  |   |
| Using only the Tab key on the keyboard, move focus to the video player.            | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>   |
| Using only the keyboard, activate and show English Captions                        | <ul style="list-style-type: none"> <li>The caption menu should disappear.</li> <li>The Captions button should switch to orange on a darker background.</li> <li>An overlay should appear briefly confirming that captions are turned on, then disappear. The overlay should mention the current language, English. <a href="#">FLUID-4601</a></li> </ul>  |
| Using only the keyboard, activate and show English Transcripts                     | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript area should appear to the right of the video area, containing English transcripts.</li> <li>The icon in the Transcripts button should switch to orange.</li> </ul>   |
| Using only the Tab key, tab until the scrubber bar is in focus.                    | <ul style="list-style-type: none"> <li>Timecode scrubber thumb appears blue with white text and white border.</li> <li>Time should say: "0:00/5:43"</li> </ul>  |
| Press and hold the right arrow key for 3 seconds.                                  | <ul style="list-style-type: none"> <li>The timecode scrubber should move steadily to the right.</li> <li>The start time on the time box gets updated to a reasonable new time reflecting the click location.</li> <li>The video image changes reflecting the changing time / location.</li> <li>The caption shows up with the text that's associated with the new video clip.</li> <li>The transcript text scrolls to the transcript text that's associated with the new video clip.</li> </ul> |
| Press and hold the Left or right arrow key to go back and forward on the timeline. | <ul style="list-style-type: none"> <li>The results described above should always happen, adjusted to be relevant to the correct spot in the timeline.</li> </ul>  |

**Keyboard Transcript Navigation**

| Procedure  | Expected Results  |
|--|---|
| Reload page  |   |
| Using only the Tab key on the keyboard, move focus to the video player.  | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>   |
| Using only the keyboard, activate and show English Transcripts   | <ul style="list-style-type: none"> <li>The transcript menu should disappear.</li> <li>The transcript area should appear to the right of the video area, containing English transcripts.</li> <li>The icon in the Transcripts button should switch to orange.</li> </ul>   |
| Press Tab 4 more times   | <ul style="list-style-type: none"> <li>Blue outline should appear around "Eeny, meeny,miny,moe"</li> </ul>  |
| Press Down Arrow 7 times   | <ul style="list-style-type: none"> <li>Blue outline should appear around "David Kelley...human centered".</li> </ul>  |
| Press Enter  | <ul style="list-style-type: none"> <li>"David Kelley...human centered" should now be white text on blue background.</li> <li>Yellow progress bar should appear on the left of the timeline.</li> <li>Timecode thumb should say "0:18/5:43".</li> <li>Image in video player should show text "David Kelley says.... Most experts agree." and an image of Mr. Kelley on a YouTube video.</li> <li>Video should not be playing.</li> </ul> |
| Using only the tab button, tab until the video player has focus.   | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not appear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul>  |
| Press Enter on the Video Player  | <ul style="list-style-type: none"> <li>Video should start playing from 0:18</li> </ul>  |
| With video still playing, press tab 4 times  | <ul style="list-style-type: none"> <li>Blue focus outline should appear around the string of text currently being played.</li> </ul>  |
| Press down arrow 4 times   | <ul style="list-style-type: none"> <li>A blue outline should appear around the 4th selectable item below the string of text being played.</li> </ul>  |
| Press Enter key  | <ul style="list-style-type: none"> <li>The video and audio should jump to the position with the corresponding selected text.</li> <li>Time code should change respectively.</li> <li>The video progress bar should change respectively.</li> </ul>  |
| Press the down arrow key until the selected text is well "below the fold".<br>Wait a moment for the video to progress. | <ul style="list-style-type: none"> <li>Focus should remain on the selected text and not shift to the text currently being spoken.</li> </ul>  |

### Keyboard Controls: Full-Screen Controls

| Procedure   | Expected Results  |
|---|---|
| Reload the page   |   |
| Using only the Tab key on the keyboard, move focus to the video player. | <ul style="list-style-type: none"> <li>When tab focus arrives at the video player, the video area should show a blue border around it.</li> <li>Play symbol overlay should not disappear. <a href="#">FLUID-4599</a></li> <li>The controls should not appear. <a href="#">FLUID-4785</a></li> </ul> |
| Press Tab key 7 times   | <ul style="list-style-type: none"> <li>Focus should appear on the full screen button.</li> <li>Button should appear white on blue.</li> <li>Tool tip "Full screen" should appear.</li> </ul>  |

|  |  |
|--|--|
| Press Enter.   | <ul style="list-style-type: none"> <li>• The video should switch into full-screen mode.</li> <li>• The video controls should be visible along the bottom of the screen.</li> <li>• The Full-screen button icon should switch to a 'small-screen' icon.</li> <li>• A message that states "Press ESC to return to exit full screen" (or similar) should appear along the top.</li> </ul> |
| Do not move the mouse or press any keys for a short time.  | <ul style="list-style-type: none"> <li>• The controls should disappear.</li> </ul>   |
| Press Space bar or Enter   | <ul style="list-style-type: none"> <li>• The video should start playing.</li> <li>• Time bar should advance.</li> </ul>  |
| Press and hold Up arrow  | <ul style="list-style-type: none"> <li>• The volume should increase.</li> </ul>  |
| Press and hold Down arrow  | <ul style="list-style-type: none"> <li>• The volume should decrease.</li> </ul>  |
| Press Space bar or Enter   | <ul style="list-style-type: none"> <li>• The video should stop playing.</li> </ul>   |
| Press Tab key.   | <ul style="list-style-type: none"> <li>• The controls should reappear.</li> <li>• Focus should be on the Play button.</li> <li>• Play button should appear</li> </ul>  |
| <p>Test the keyboard functionality as described above:</p> <ul style="list-style-type: none"> <li>• Play / pause</li> <li>• Volume</li> <li>• Captions</li> <li>• Transcripts</li> </ul> | <ul style="list-style-type: none"> <li>• All controls should function as they would in non-full-screen mode. Example: <ul style="list-style-type: none"> <li>• Tooltips appear properly</li> <li>• Button colours change according to state</li> <li>• Controls work as expected</li> <li>• Positioning and rendering appears correct</li> <li>• etc.</li> </ul> </li> </ul>           |
| Press tab until focus is back on the Play button. Play the video.  | <ul style="list-style-type: none"> <li>• Video should play.</li> <li>• Play button should change to a Pause button.</li> <li>• Tooltip text should change to contain "Pause".</li> </ul>   |
| <ul style="list-style-type: none"> <li>• While video is playing, press tab until the exit full-screen button is in focus.</li> </ul> <p>*Activate the exit full-screen button.</p>       | <ul style="list-style-type: none"> <li>• The video should switch back to its original size.</li> <li>• Video should continue playing during this transition</li> </ul>   |
| Press Enter or Space to stop video and activate the Full-screen button again using keyboard only.  | <ul style="list-style-type: none"> <li>• The video should stop playing.</li> <li>• switch into full-screen mode again.</li> <li>• remain in a stopped state</li> <li>• controls visible, with "ESC to exit full screen" message at top</li> </ul>  |
| Press the Escape key.  | <ul style="list-style-type: none"> <li>• The video should switch back to its original size.</li> </ul>   |