Drag and Drop Question Tutorial

Tutorial for Creating a Drag and Drop Question Interactive in the Texas Gateway

Introduction

The Drag and Drop Question interactive allows learners to drag text or images and drop them onto the corresponding locations in an image. This interactive type can be used to test the learner on grouping elements that belong together, matching an object with another object, putting elements in the correct order, or placing elements in correct positions. Drag and Drop Questions can be used as standalone interactives or they can be used within Question Sets, Interactive Videos, Course Presentations, or Boardgames.

In this tutorial, you will learn how to create a Drag and Drop Question interactive within the Gateway. Here's the interactive we'll create:
http://projectsharetexas.org/resource/drag-and-drop-question-tutorial

Step 1: Inserting the Interactive Editor

You can add interactive content to a resource using the same process you would use to add other content types (HTML, video, and audio). While in the content page you would like to add the interactive to, click the **Insert** button under the **Add Content** section. Then select **Interactive** from the dropdown.

In the dropdown under **Content type**, choose **Drag and Drop Question**.
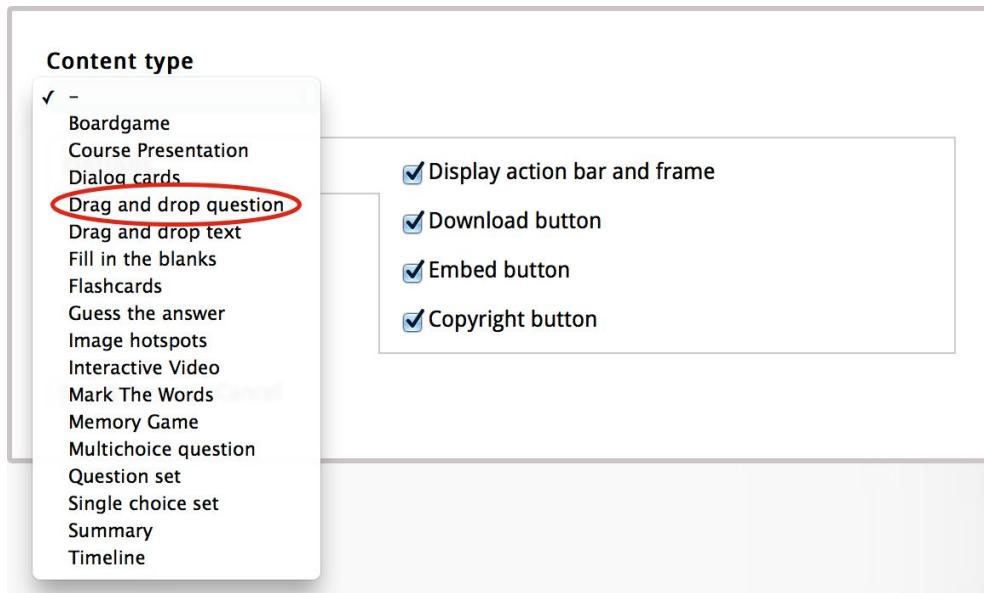
The interactive editor will appear. Follow the steps in the editor.

Step 2: Implementing Settings

The Drag and Drop Question editor consists of settings and a task. You can press the **Settings** and **Task** tabs at the top of the editor at any time to navigate between the views.

In the **Settings** tab, we'll enter primary settings such as the interactive background image and size.

First, add the title of the Drag and Drop Question under **The title of this question**. An example title is automatically entered into this field. Delete this default text and add the following in its place: *Drag and Drop Flags*

Choose a picture that includes the U.S. flag and the Texas state flag to upload as the **Background image**. This is the image used in the example:
https://www.flickr.com/photos/susannedavidson/6965227580/in/photolist-hAnW5-6wu1GB-sPW8cb-tuuLWH-9MoSSH-9gQdqf-6okgU-bBuBuG-98HXgj-UnNBS-c6K6B5-fQ45do-6N9Wtw-9WCnr1-8fJGyE-8SHEcw-6ttSr-3AbfZJ-mpDfjz-8MrmhA-Um6rB-4hcrqa-9BCVy8-4VzTMS-9MCWBY-gsHwfs-3o9zbs-e

Background image

✚

🤝 Edit copyright

Optional. Select an image to use as background for your drag and drop task.

Click on the green plus sign to upload the image file you've chosen. Once you've added the image, be sure to enter all of the necessary copyright information. Click on the **Edit copyright** button beneath the image and enter the information needed to properly cite the image (Title, Author, Year, Source, License).

1. Settings	2. Task

The title of this question

Drag and Drop Flag

Used in summaries, statistics etc.

Background image

Title

Texas and US Flags

Author

Susanne Davidson

Year(s)

1503 – 1517

Source

https://www.flickr.com/photos/susannedavidson/6

License

Attribution–NonCommercial   ⬍

Now that you've added a background image, you can define the size of the Drag and Drop Question. In the **Task size** field, specify how large (in pixels) the background area should be. For this example, we'll keep the **Task size** the same as the size of the background image. Enter *640 x 424* into the fields.

*Note: The Drag and Drop Question will be scaled to the maximum width of the page where it is placed. The **Task size** defines the width and height of the editor as well as the aspect ratio of the Drag and Drop Question, rather than the actual size in pixels when it is viewed.*

Under **Background opacity for draggables**, you can set the opacity for all draggable elements in the interactive. If you choose to enter a number here, it should be between 0 and 100, where 0 means full transparency and 100 means no transparency. Note that you can also define the opacity for each draggable element individually in the next step. If you set the opacity in this field, it will override the opacity settings on individual draggable elements. For this example, we will wait until the next step to set the opacity for draggable elements.

Step 3: Creating the Task

Click the **Task** tab in the top right half of the editor to start creating the task itself. For this example, we'll create a Drag and Drop Question that tasks the learner with labeling the two flags in the picture.

You'll see that the background image is displayed with the size you defined in the previous tab. Above this image is a toolbar that will allow you to insert **Drop Zones** (bullseye icon), **Text** (T icon), and **Images** (picture icon).

We'll begin by adding **Drop Zones** - areas on which the draggable elements can be dropped. Press the **Drop Zone** button in the toolbar and begin filling out the fields. For **Label**, enter *Flag 1*. Leave the **Show label** box unchecked as you do not need this label text to appear on the drop zone. Next, enter the **Background Opacity**. This is different from the opacity defined on the previous tab (this is the opacity of the zone area, not the opacity of the draggable element defined in **Settings**). Use *0* for this opacity so that the zone area is fully transparent. Note that you can also add a **Tip** to the drop zone to give the learner a hint. We don't think our learners will need a tip, so we will leave this field blank. For this example, there will only be one correct answer for each drop zone. Check the box labeled **This drop zone can only contain one element**. Click the **Done** button below.

You will now see a transparent drop zone with a light outline placed over the background image. Move and resize the drop zone so that it is placed over the U.S. flag. You move the drop zone by pressing and dragging it to where you want it placed. You resize the drop zone by pressing the the lower right corner of the dropzone and dragging up/down or left/right to scale the drop zone to the right proportions. You can double-click the drop zone to edit it at any time.
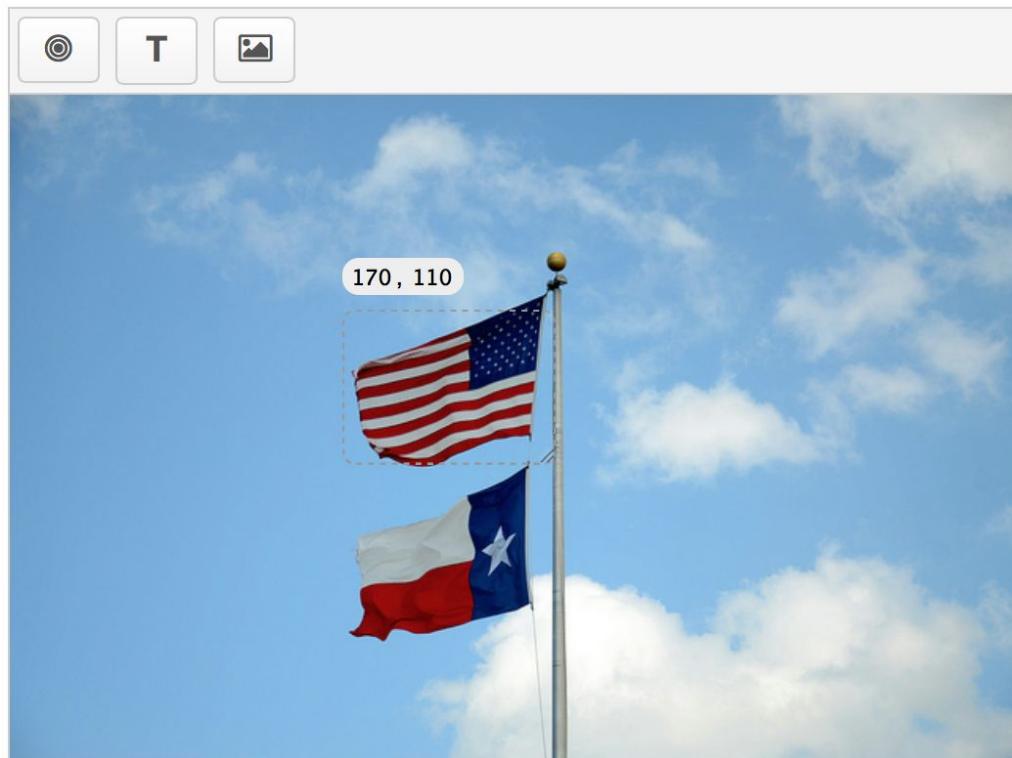
Start by placing your drop zones.
Next, place your droppable elements and check off the appropriate drop zones.
Last, edit your drop zone again and check off the correct answers.

Follow these same steps to create a **Drop Zone** over the Texas state flag. Label this zone *Flag 2* and enter the same settings as the previous drop zone. When you are finished, move and resize the drop zone so that it fits over the Texas state flag in the image.

In this tutorial we'll add two text draggable elements, one for each of the drop zones. Press the **Text** button in the toolbar. In the **Text** field, type in *United States of America*. Under **Select drop zones**, check the *Flag 1* checkbox. Leave the Background Opacity at *100* (we'd like the draggable element to be fully opaque). Also leave the **Infinite number of element instances** unchecked. Since this element only corresponds with one drop zone, we will not need multiple instances of it. Press **Done**.

Text

United States of America

Select drop zones
Select all
☑ Flag 1
☐ Flag 2

Background Opacity
100

☐ **Infinite number of element instances**
Clones this element so that it can be dragged to multiple drop zones.

Remove   **Done**

You will now see the draggable text element on the image. Move and resize the draggable object as you please. You move it around by pressing on it and dragging it to where you want it. You resize by pressing in the lower right corner of the object and pulling in any direction to scale.

Add another **Text** draggable elements by following the exact same procedure as above. However, label this element *State of Texas*.

You can double-click either draggable element to edit them at any time.

In order to define the relationship between each drop zone and draggable element, double-click on each **Drop Zone**. For the *Flag 1* drop zone, check the box next to *Text: United States of America* under **Select correct elements** and then press **Done**. For the *Flag 2* drop zone, check the box next to *Text: State of Texas* under **Select correct elements** and then press **Done**.

Finally, we'll want to add brief instructions to the interactive. You can add instructional text by adding another **Text** element and typing instructions in the **Text** field:
Identify the flags by dropping the correct label on each flag.

As instructional text should not be a draggable element, do not select a corresponding drop zone. Change the Background Opacity to *0* and then press the **Done** button. Place the instructional text at the top of the image and resize it as you please.

Step 4: Adjusting Settings

The Drag and Drop Question editor provides several options for adjusting the interactive's settings and functionality.

You can use the **Behavioural settings** to enable or disable certain functions, such as the "Retry" button. For this example, we'll keep all of the settings checked as is.

Note that the **Give one point for the whole task** setting is more relevant when Multichoice Questions are used in Question Sets, Interactive Videos, Course Presentations, or Boardgames.

The **Settings and texts** options allow you to further customize your interactive by editing the labels for the various functions you have enabled. For this example, we'll stick with the default settings and texts.

You can use checkboxes under **Options** to manage the actions that users have access to. The action bar includes buttons that allow users to download the interactive, access

the embed code, and view copyright information. If you do not want to provide access to these buttons (or to the entire action bar), uncheck the boxes accordingly.
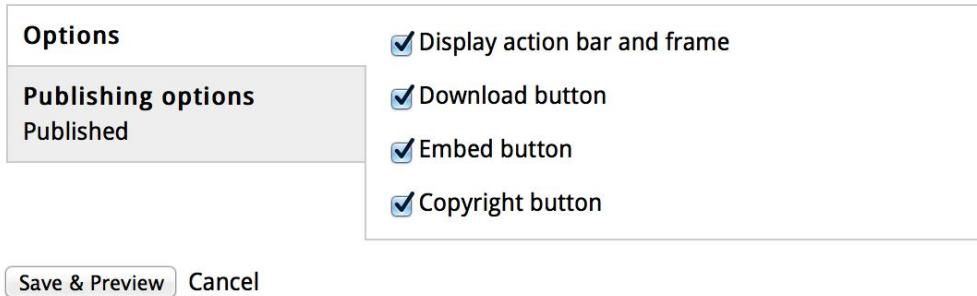
Step 5: Completing the Interactive

Once you have finished all of the steps above, be sure to click the **Save & Preview** button. You should now have the same interactive as the example: http://projectsharetexas.org/resource/drag-and-drop-question-tutorial