

Drag and Drop File Upload Task One

We have a data type within our product that supports user provided images. The image files are stored on the application server, and their file path is stored as part of a record in the database. To display these images, the application server generates the following markup:

```
<span data-classid="30"
      data-attributeid="127"
      data-attributeid="4"
      data-classattributeid="165"
      data-column="IMAGE"
      data-eid="5404"
      data-widget="hyperlink-upload"
      class="posContainer">

    <!-- If the record is populated there will be an img tag here,
         if not populated, the span will be empty, but contain it's
attributes. ->
    <img src="" />
</span>
```

Will need some CSS, and need to determine which drag target will trigger setting the CSS indicating the drop target. The `data-widget="hyperlink-upload"` can be used to identify the presence of this item within the page.

When a user drags an image file (.jpg, .png, .gif) over the page, the widget should add a CSS class that indicates that it is a drop target. When the user drops the image on one of the targets (there may be more than one on the page), the component should initiate an Ajax form submission to the URL passed in the configuration object. The form should be submitted to the configured server URL as an HTTP POST containing `multipart/form-data`.

The name of the form element uses the following convention

“a__classID__elementID__attributeID”, where the classID is the “data-classid” HTML attribute value from the span, the elementID is the “data-eid” HTML attribute value from the span, and the attributeID is the “data-attributeid” value from the span. That is a lower case ‘a’, followed by 2 underscores, a number, two underscores, a number, two underscores, and a number. Using the preceding markup as an example: a__30__5404__127

This is the first of several of related tasks concerning drag and drop file uploads. I expect we will use a JavaScript library, such as filedropjs.org, or dropzonejs.com, but will leave the exact selection to you. I believe a jQuery plugin is appropriate for this project.