Building a custom JavaScript recipe for CONTENTdm

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The plan for today

• Some background resources
• Anatomy of a JavaScript recipe
• Let’s building a recipe!
• Questions
Helpful links

https://tinyurl.com/js-recipe-workshop
Resources

- help.oclc.org
  (search for “website customization”)

- CONTENTdm Cookbook

- Demo site
  cdmdeployment.contentdm.oclc.org
Anatomy of a JS recipe

• Function wrapper
  (IIFE: Immediately Invoked Function Expression)

• Doing the thing you want to do

• Timing the action within the page lifecycle
(function() {

    // do stuff here

})();
```javascript
(function() {
    function logger(text) {
        console.log("msg: ", text);
    }

})();
```
CONTENTdm event lifecycle

- startup / load JS file(s)
- cdm-app:ready
- cdm-page:enter
- cdm-page:ready
- cdm-page:leave
The “update” event

- startup / load JS file(s)
- cdm-app:ready
- cdm-page:enter
- cdm-page:ready
- cdm-page:update
- cdm-page:leave
(function() {

  function logger(text) {
    console.log('msg: ', text);
  }

  document.addEventListener('cdm-app:ready', function() {
    logger('hello, world');
  });

})();
Build Twitter “Follow” button

- Insert “Follow” button in page footers
- Adhere to Twitter’s development guide
- Use Twitter’s helper library
- Make sure button doesn’t get duplicated
Looking at the code

https://tinyurl.com/js-recipe-workshop
How the recipe works

• Load Twitter’s official helper script
• Insert HTML button into page footer
• Event lifecycle timing is crucial
Loading the recipe

- Website Configuration Tool
- Global > Custom > Custom Scripts
- Browse to `twitter-follow-button.js` file
- Save & Publish
Questions?