

WEBFORM: THERE IS THIS FOR THAT



Hi, my name is Jacob Rockowitz.

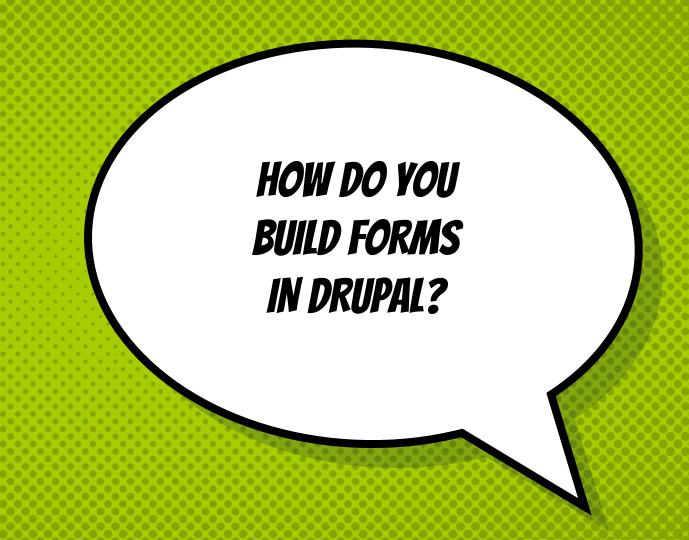
- × I am known as jrockowitz on the web.
- × I am a Drupal developer and software architect.
- × I built and maintain the Webform module for Drupal 8.

THIS IS NOT ABOUT ...

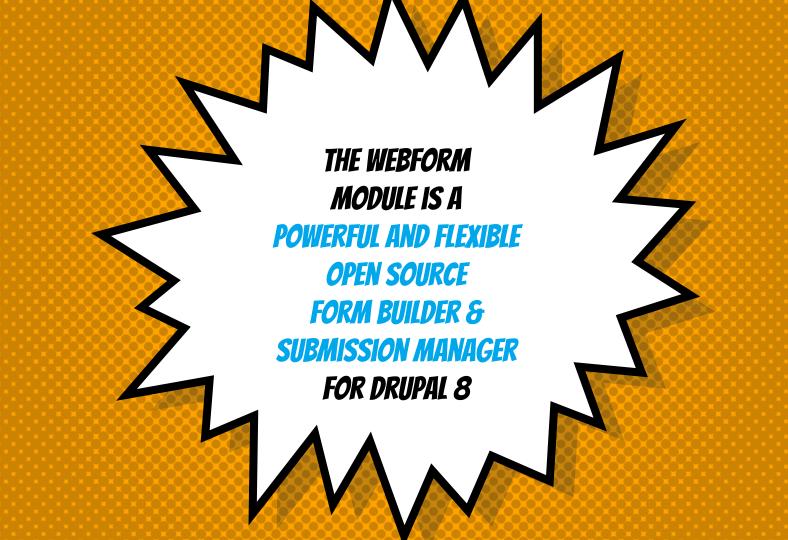
THIS IS NOT ABOUT...

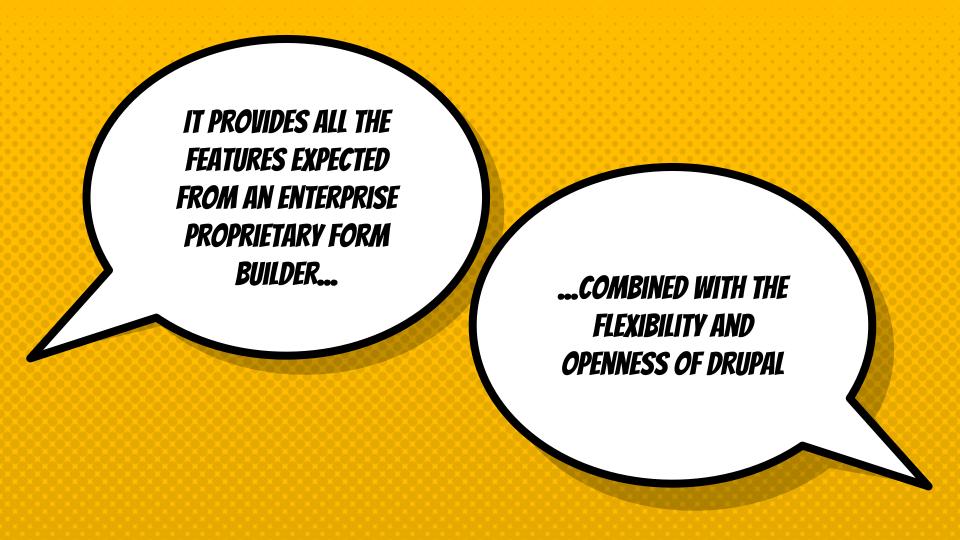
- × The history of the Webform module
- × Installing the Webform module
- × Alternatives to the Webform module
- × Future of the Webform module
- × Theming and styling webforms
- × Managing webform submissions

THS SHBOUT BULDIG 29 ** SY.

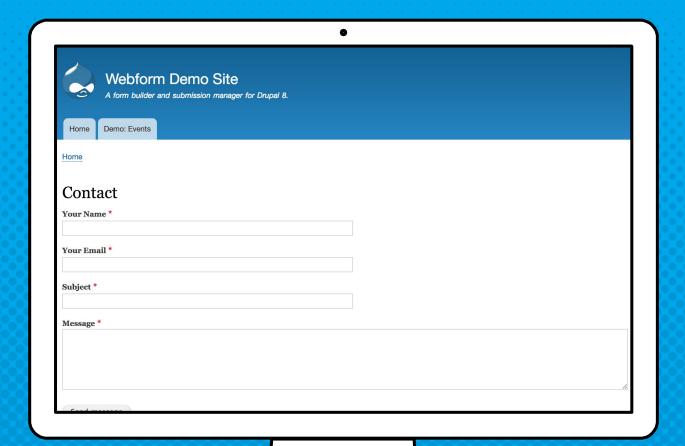


THERE IS THE WEBFORM MODULE FOR THAT

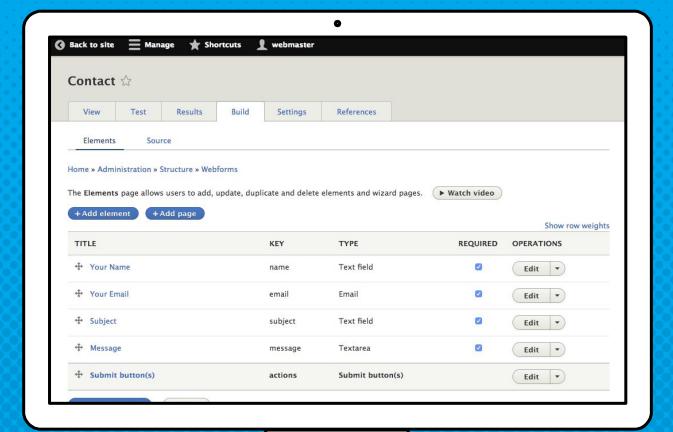




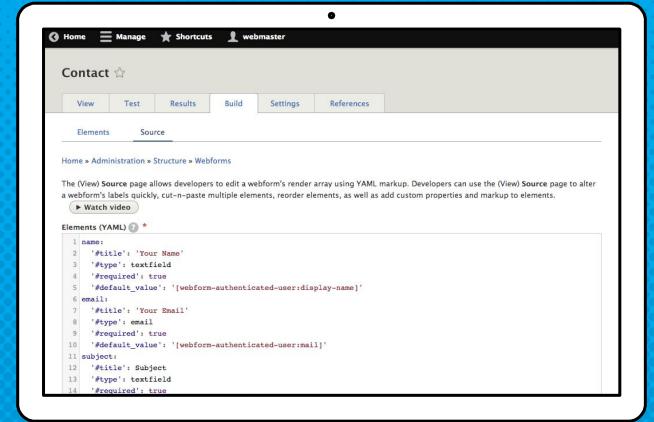
THIS IS A WEBFORM



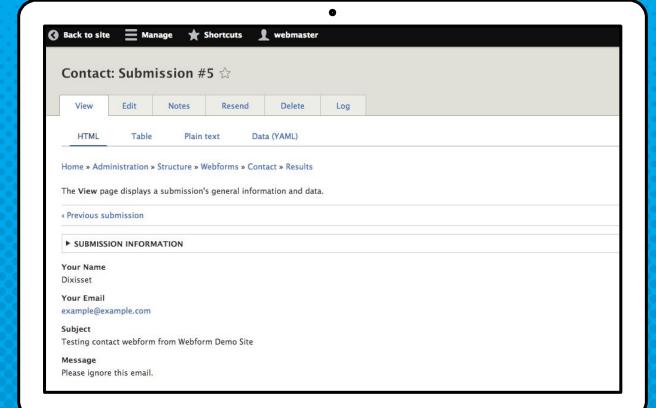
THIS IS THE WEBFORM BUILDER



THIS IS THE WEBFORM SOURCE (YAML) EDITOR



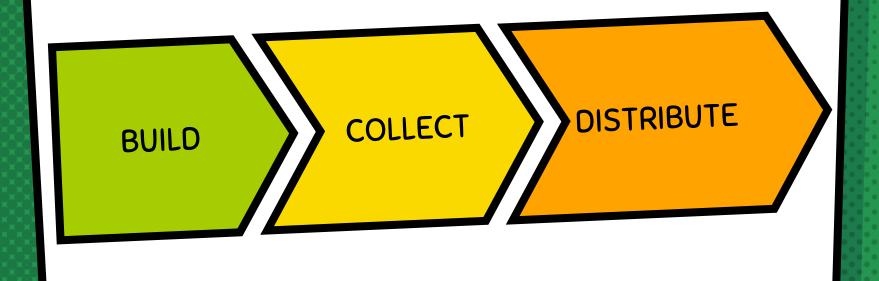
THIS IS A WEBFORM SUBMISSION



THE USE CASE...

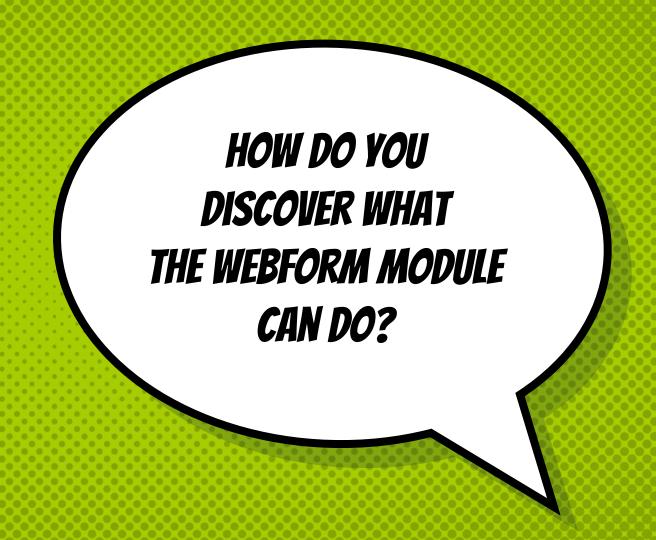
- × BUILD a form or copy a template
- × PUBLISH the form as a page, node, or block
- × COLLECT form submissions
- × SEND confirmations and notifications
- × **REVIEW** results online
- × **DISTRIBUTE** results as CSV or remote post

ONCE AGAIN, THE USE CASE...



<demo>

The elevator pitch



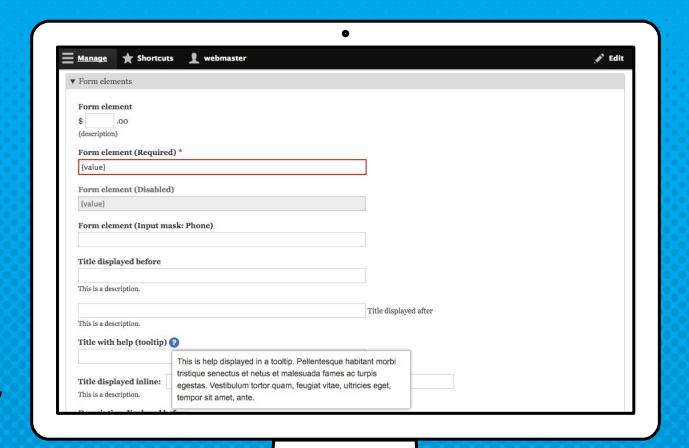
THERE ARE EXAMPLES FOR THAT



THERE ARE EXAMPLES & DEMOS OF...

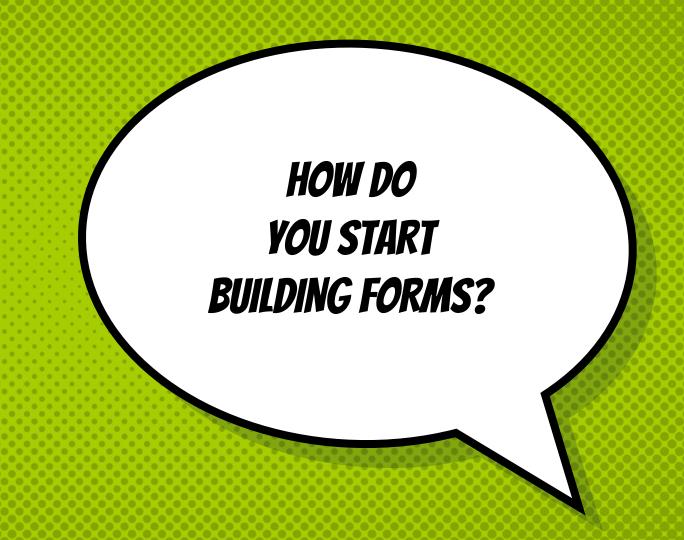
- Every element type
- × Multi-step forms (wizards)
- × Conditional logic
- × Flexbox layouts
- × Event registration
- × Application evaluation

THE EXAMPLE STYLE GUIDE IS VERY HELPFUL & COMPLETELY CUSTOMIZABLE

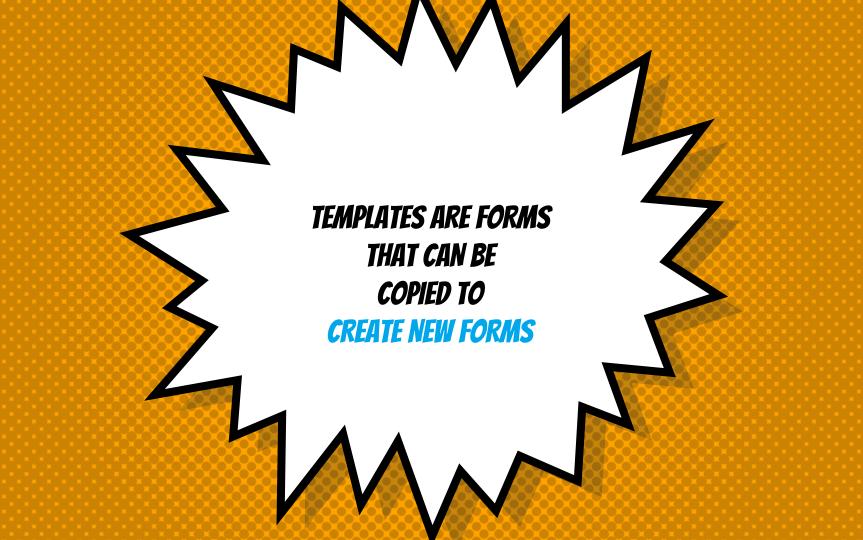


<demo>

Learn by example



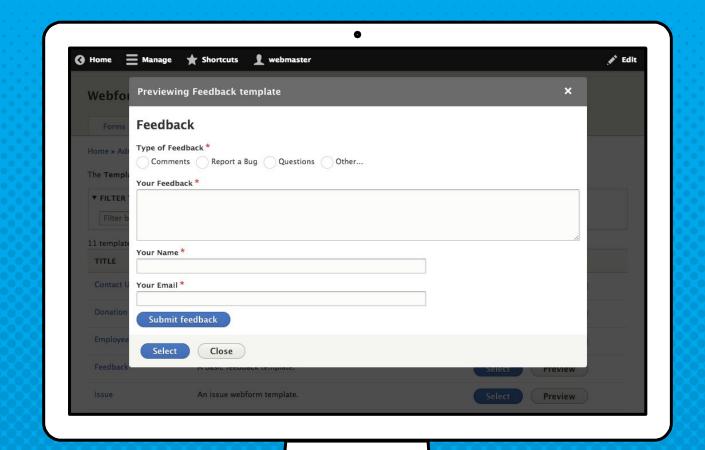
THERE ARE TEMPLATES FOR THAT



WEBFORM TEMPLATES

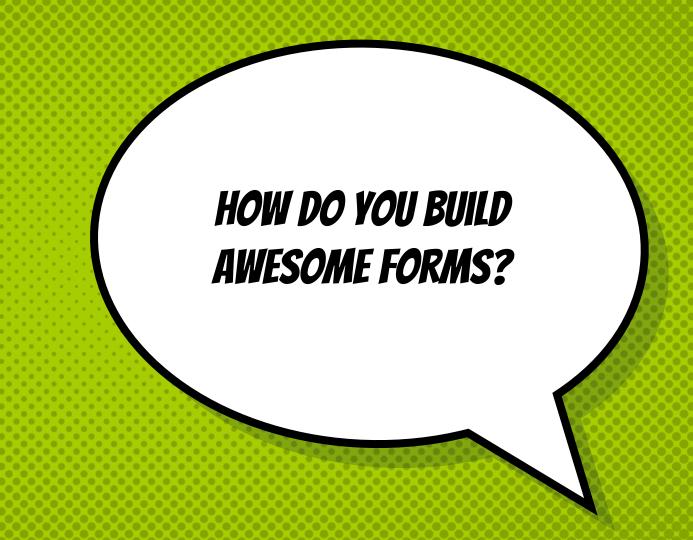
- × Templates are reusable forms
- A form created from a template is a copy (a.k.a duplicate)
- Changing or deleting a template does not change any existing forms

THIS
IS A
WEBFORM
TEMPLATE

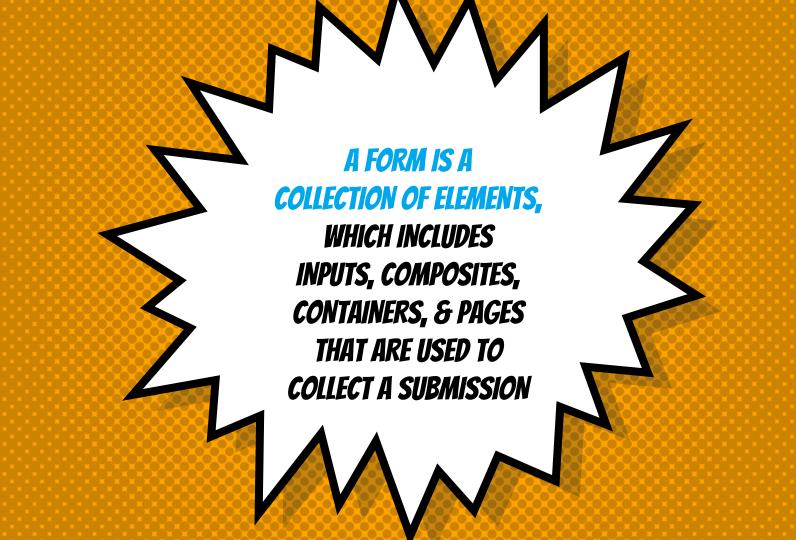


<demo>

Selecting a template



THERE ARE ELEMENTS FOR THAT



THE ANATOMY OF A FORM

× Elements

Anything that is displayed on a form

× Inputs

An element that collects a value

× Composites

A collection of inputs used to collect a group of values

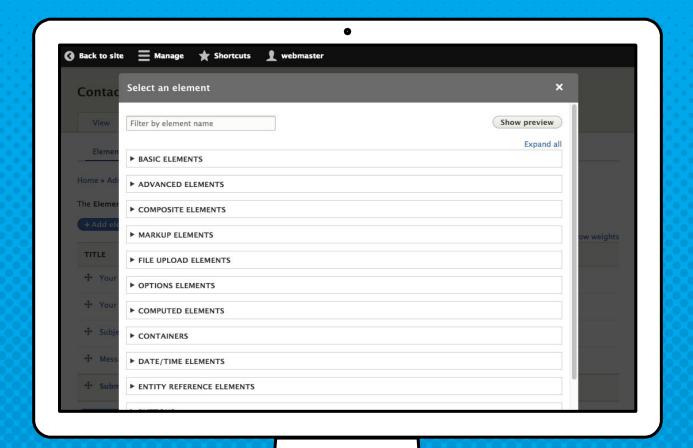
× Containers

An element that holds sub-elements

× Pages

A container that is displayed as a page within a multi-step wizard

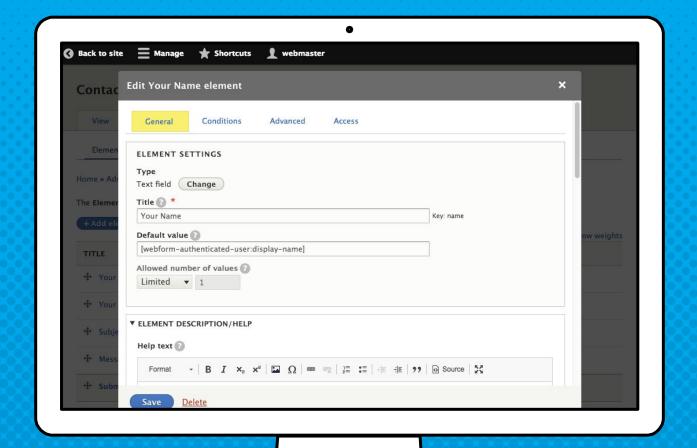
THERE ARE MANY DIFFERENT TYPES OF ELEMENTS



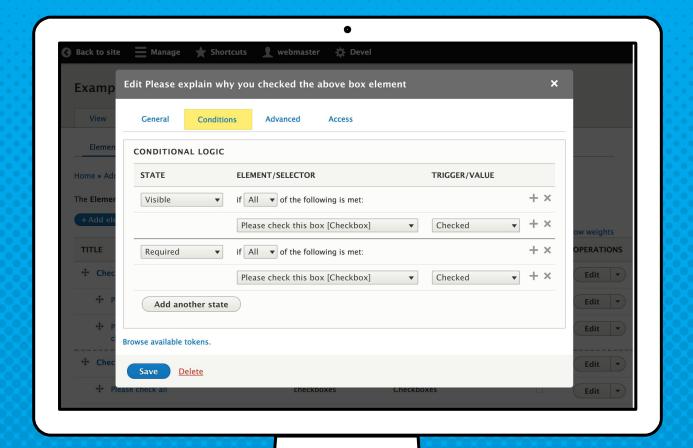
THE ANATOMY OF A FORM ELEMENT

- × Definition: Name, cardinality, & default value
- × Labels: Title, description, "help" text & more
- × Display: Prefix, suffix, size, input masks, etc.
- × Validation: Required, unique, pattern, counter, etc.
- × Conditions: Hide/show, required & disabled
- × Access: Roles, user or permission
- * Advanced: Custom attributes & settings

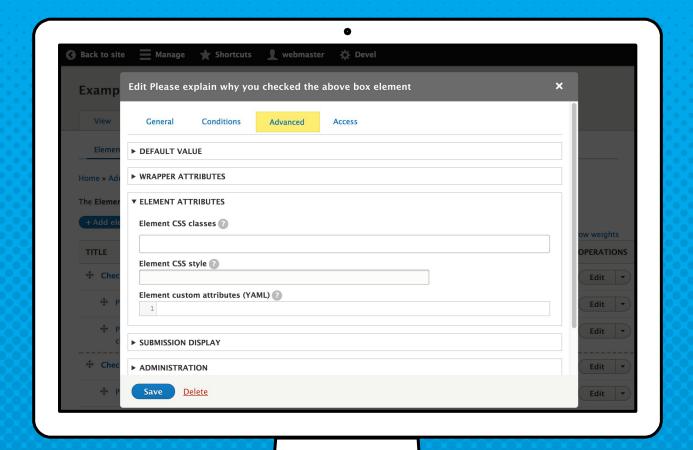
THIS IS A WEBFORM ELEMENT EDIT FORM



THIS IS CONDITIONAL LOGIC



THESE ARE ADVANCED SETTINGS



TYPES OF INPUTS

- × Text: Text field, textarea, HTML editor and more....
- × **Options:** Checkboxes, radios, select, buttons, images, and more....
- × File uploads: Documents, images, videos, audio, and more....
- × **Widgets:** Rating, signature, phone, email, toggle, and more....
- × Entity Reference: Terms, nodes, and users

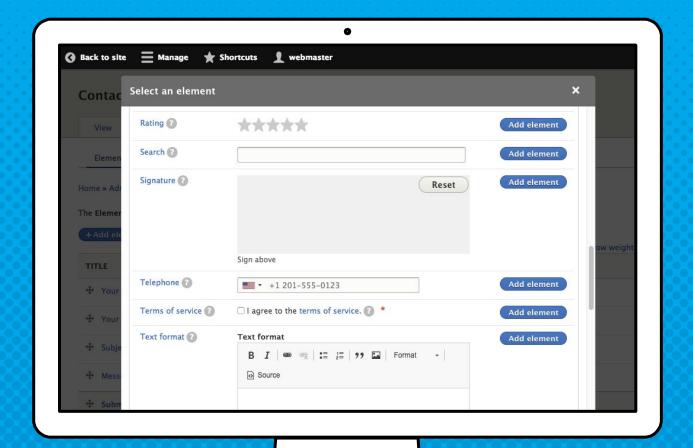
TYPES OF CONTAINERS

- × Container: Basic <div> with sub-elements
- × **Section:** Header with sub-elements
- × Fieldset: Group of elements
- × **Details:** Collapsible group of elements
- × Flexbox: Used for multi-column layouts

TYPE OF COMPOSITE ELEMENTS

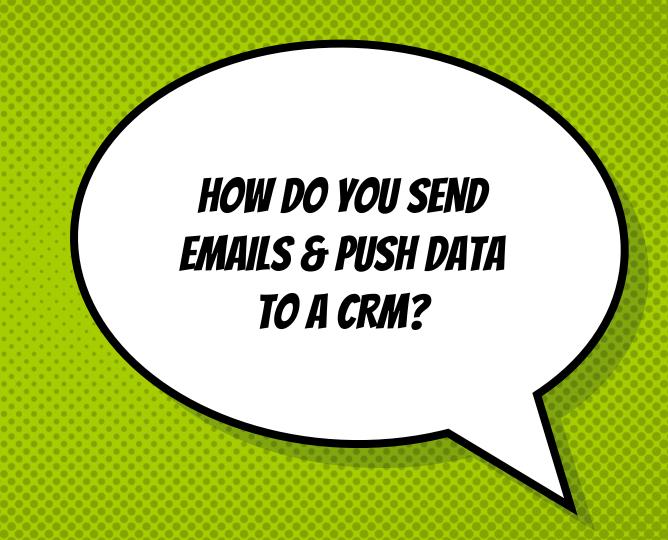
- × Likert (Surveys)
- × Locations/Address/Contact
- × Links/URLs
- × Names
- × Custom composite element

DON'T FORGET THAT YOU CAN PREVIEW ALL AVAILABLE ELEMENTS

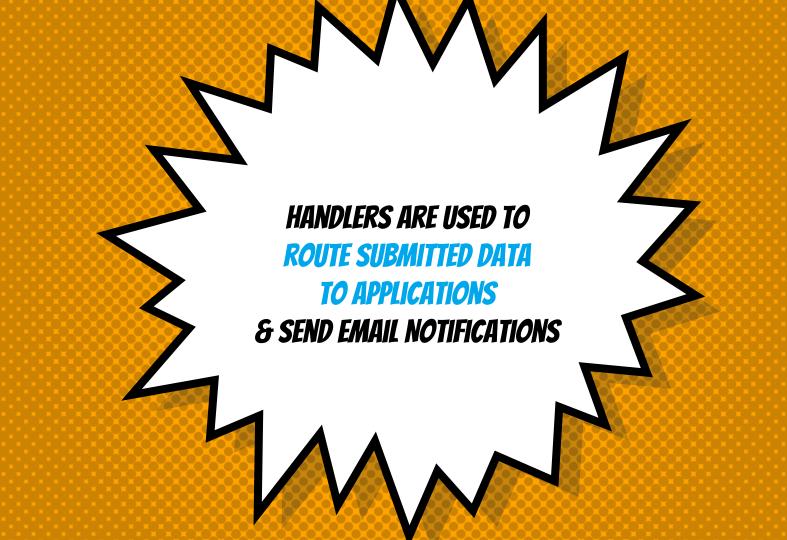


<demo>

Getting to know the elements



THERE IS A HANDLER FOR THAT



WEBFORM HANDLER USE CASES

- × Email notification and confirmation
- Push data to CRM
- Subscribe to mailing lists
- Flag a submission based on submitted values
- × Conditionally change confirmation message

WEBFORM HANDLERS

Email & Scheduled Email

Sends a webform submission via an email

Action & Settings
Trigger a conditional action or setting on a submission

Remote Post

Posts webform submissions to a URL

DebugDebug webform

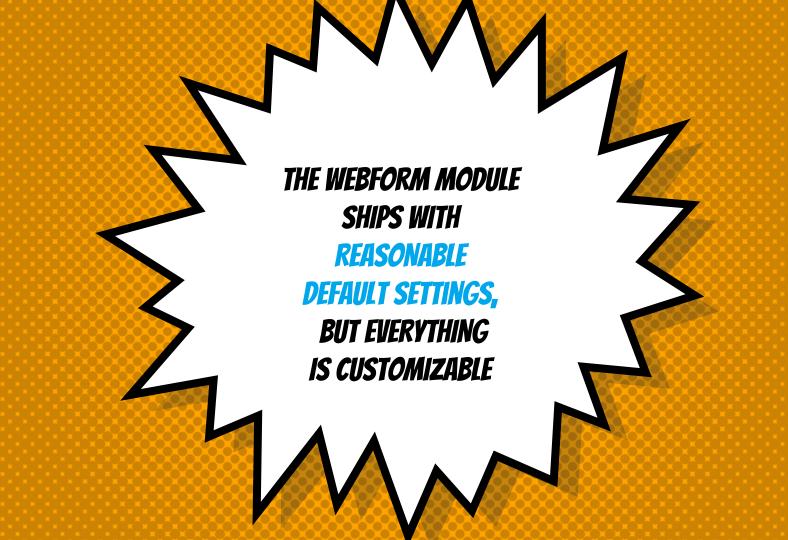
submission

<demo>

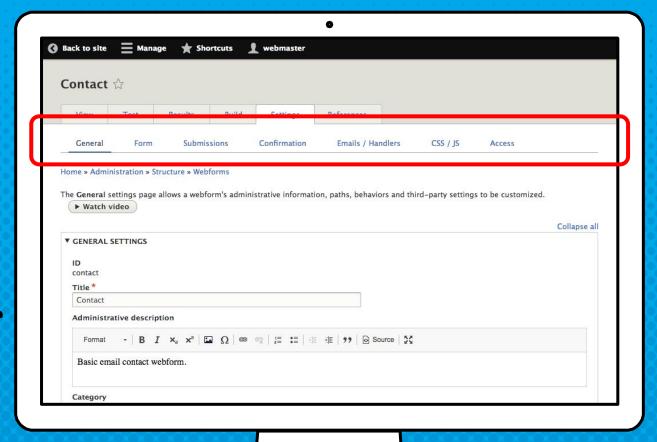
Sending email & remote posts

HOW DO YOU TWEAK
& ADJUST THE BEHAVIOR
OR LOOK-N-FEEL OF
YOUR WEBFORMS?

THERE ARE SETTINGS FOR THAT



- * GENERAL
- * FORM
- * SUBMISSIONS
- * CONFIRMATION
- * EMAIL/HANDLERS
- x CSS/JS
- * ACCESS



GENERAL SETTINGS

- Disable saving of results
- × Use the webform as a template
- × Customize URL aliases
- Ajaxify the form
- Third party settings (e.g., Honeypot & Antibot)

FORM SETTINGS & BEHAVIORS

- × Set open and close dates
- Customize messages and labels
- Pre-populate using query string parameters
- Tweak multi-step wizard progress bar
- Enable submission previews

SUBMISSION SETTINGS & BEHAVIORS

- Submission labels and messages
- × Submission limits
- × Save drafts
- × Submission purging
- × Autofill

CONFIRMATION TYPES & MESSAGES

- × Dedicated confirmation page
- × Inline message
- × Status message
- Modal confirmation dialog
- × Redirect to external or internal URLs

CUSTOM CSS & JAVASCRIPT

Site builders and front end developers can inject custom CSS & JavaScript to tweak a webform's look-n-feel and client-side behaviors.

- × Tweaks font types and sizes
- × Adjusts margins, padding, and layout
- Client-side validation and/or hide/show logic

ACCESS CONTROLS

Set access rules by role, user, and/or permission Rules include:

- Create, view, update, delete, and purge all submissions or own submissions
- Administer webform and submissions

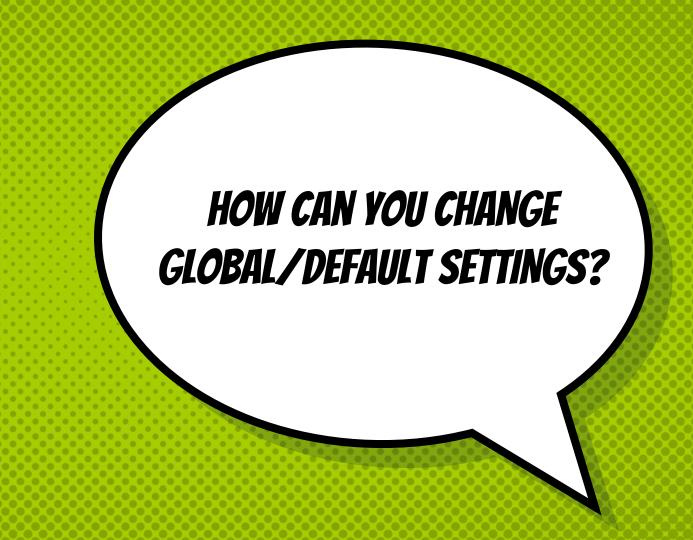
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Customizing a webform's look-n-feel



TIPS FOR MANAGING SETTINGS & BEHAVIORS

- Know what is possible (and impossible)
- × Keep It Simple Stupid (K.I.S.S. principle)
- × Default settings can be applied using hook_webform_create()
- × Templates can define default settings



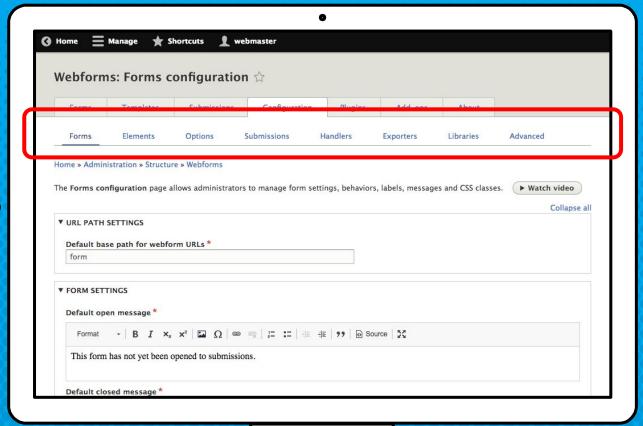
THERE IS CONFIGURATION FOR THAT



THINGS THAT SHOULD ALWAYS BE CONFIGURED

- × Private file access for file uploads
- × SPAM protection
- × Available elements
- × API keys
- Reusable options

- * FORMS
- * ELEMENTS
- * OPTIONS
- * SUBMISSIONS
- * HANDLERS
- * EXPORTERS
- * LIBRARIES
- * ADVANCED



<demo>

Managing elements, options
& libraries

THEXES! X P CONFIGURATION FOR THE SAME

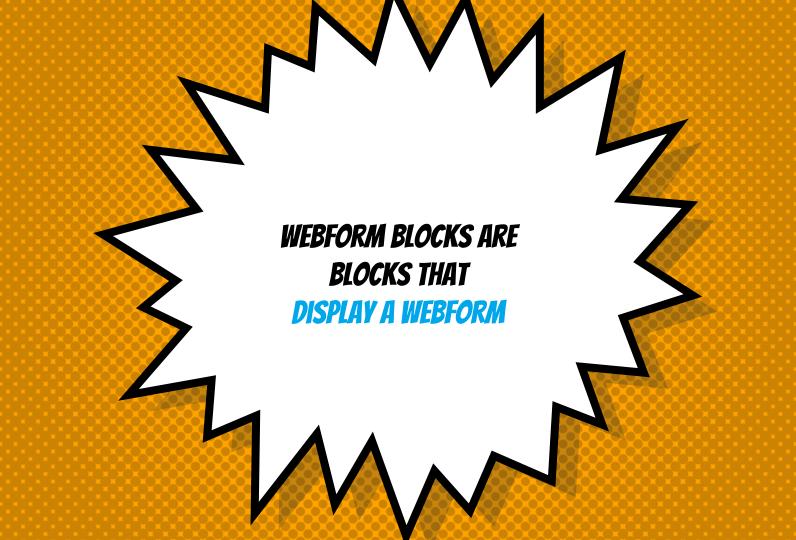




THERE IS A MODULE, HOOK, OR TEMPLITE FOR THAT!



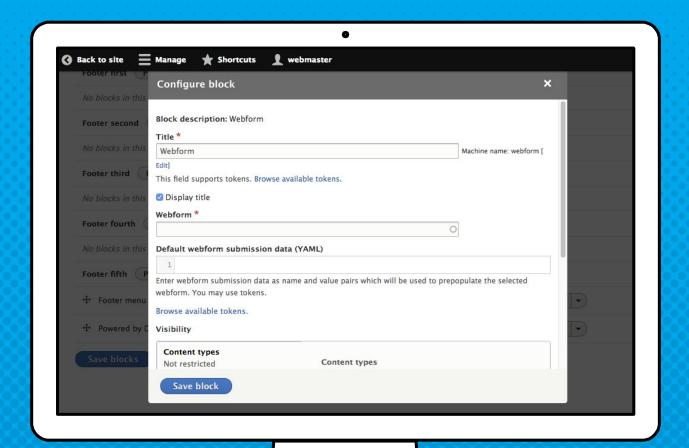
THERE ARE WEBFORM BLOCKS FOR THAT



WEBFORM BLOCKS

- Make it easy to include a webform within layouts and panels
- Allow a webform to be placed anywhere on the page
- × Allow a webform to be attached to any page on a website

WEBFORM BLOCK CAN GO ANYWHERE



<demo>

Placing a webform block



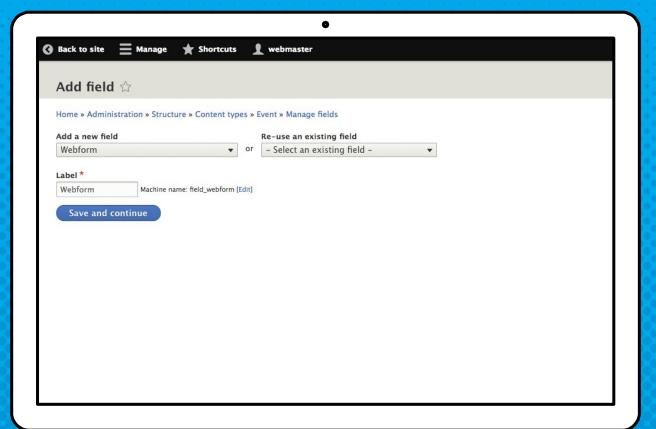
THERE ARE WEBFORM NODES FOR THAT



THE WEBFORM NODE MODULE

- Provides a webform content type
 Any content type can have a webform
- Tracks node specific submissions
 Adds 'Test' and 'Results' to node edit tasks (a.k.a. Tabs)
- × Adds 'References' to the webform edit tab References tab track all webform node instances

THE WEBFORM FIELD CAN BE ADDED TO ANY **CONTENT ENTITY**



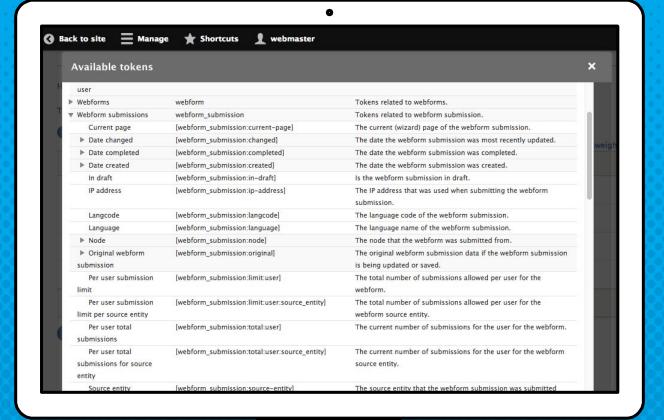
TIPS AND TRICKS FOR WEBFORM FIELDS & NODES

 Tokens can be used to pass node field values to webform settings

[webform_submission:node:field_confirmation_message]

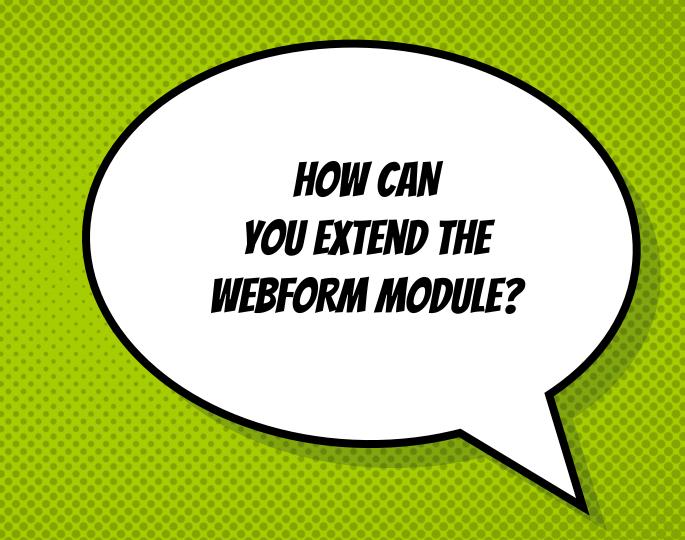
 Computed elements can also be used to display webform node values

WEBFORM TOKENS ARE VERY FLEXIBLE

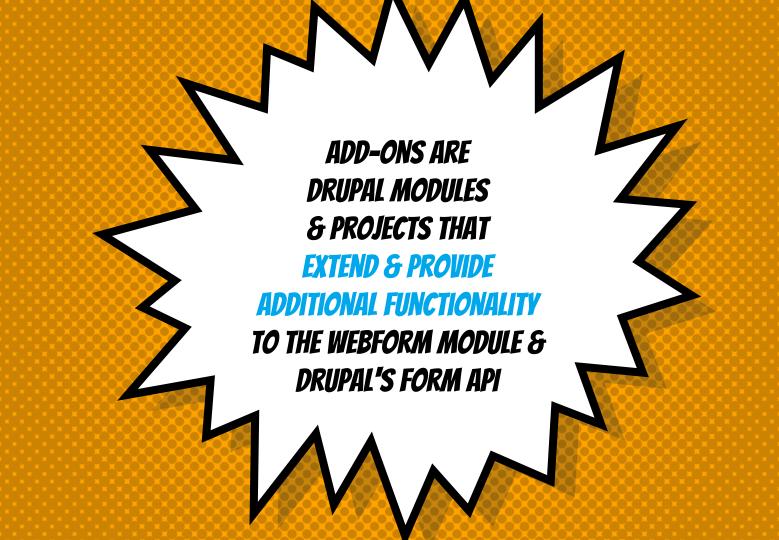


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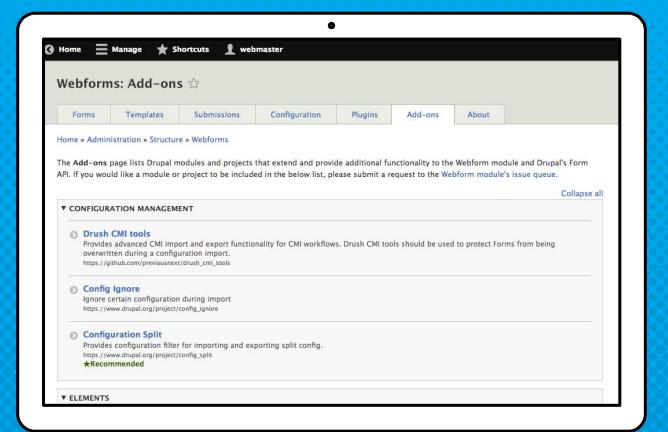
Building webform nodes



THERE ARE ADD-ONS FOR THAT



THERE ARE A LOT OF USEFUL ADD-ONS AVAILABLE, & MORE TO COME...



TYPES OF WEBFORM ADD-ONS

- × SPAM Protection
- × Validation
- × Elements
- × Integration
- × Submissions
- × Mail

- × REST
- × Configuration
- × Migrate
- × Multilingual
- × Workflow
- × Development

ADD-ONS THAT IMPROVE USER EXPERIENCE

× Honeypot

Mitigates spam form submissions using the honeypot method https://www.drupal.org/project/honeypot

× CAPTCHA

Provides CAPTCHA for adding challenges to arbitrary forms https://www.drupal.org/project/captcha

× Client-side Validation

Adds client-side validation to forms https://www.drupal.org/project/clientside_validation

ADD-ONS THAT IMPROVE SITE BUILDER EXPERIENCE

× IMCE

IMCE is an image/file uploader and browser https://www.drupal.org/project/imce

× Webform Views

Integrates Webform 8.x–5.x and Views modules https://www.drupal.org/project/webform_views

× Webform Analysis

Used to obtain statistics on the results of form submissions https://www.drupal.org/project/webform_analysis

ADD-ONS THAT IMPROVE DEVELOPER EXPERIENCE

Webform Migrate

Provides migration routines from d6, d7 webform to d8 webform https://www.drupal.org/project/webform_migrate

× Webform Composite Tools

Provides a reusable composite element for use on webforms https://www.drupal.org/project/webform_composite

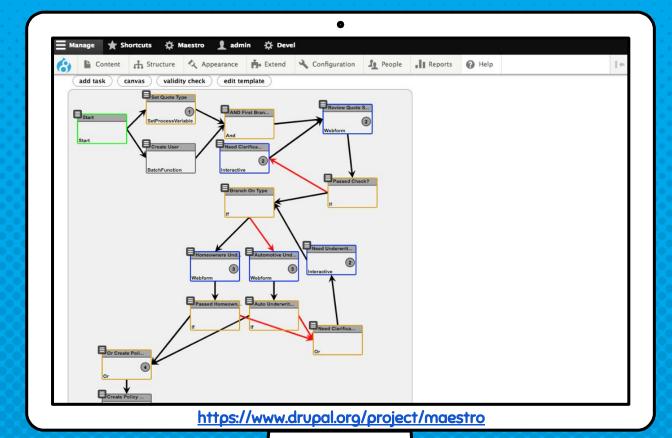
× Maillog / Mail Developer

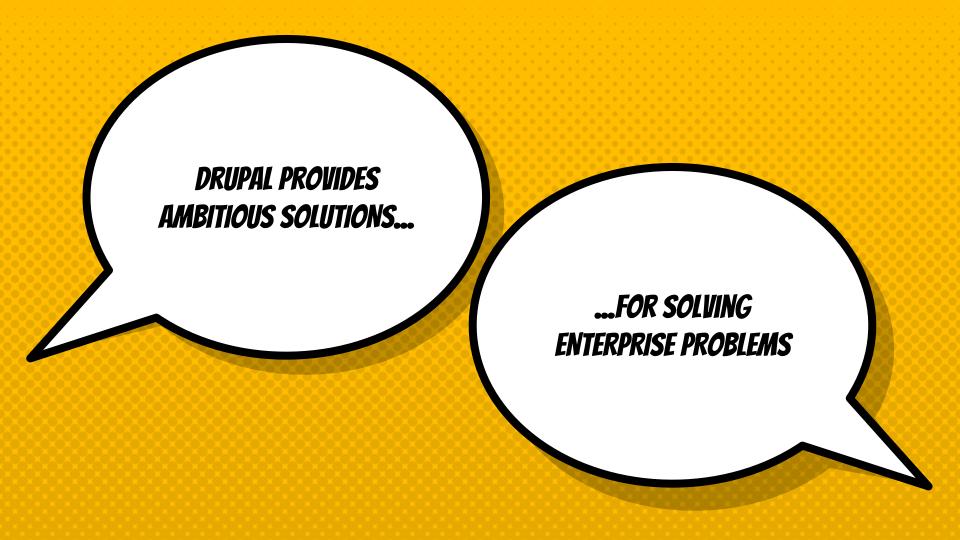
A utility to log all Mails for debugging purposes https://www.drupal.org/project/maillog

THE WEBFORM
MODULE WITHOUT
DRUPAL'S ECOSYSTEM
IS JUST ANOTHER
FORM BUILDER

THE WEBFORM
MODULE WITH
DRUPAL'S CONTRIBUTED
MODULES & THEMES
IS AN ENTIRELY
DIFFERENT BALLGAME

MAESTRO WORKFLOW **ENGINE** A BUSINESS PROGESS WORKFLOW SOLUTION



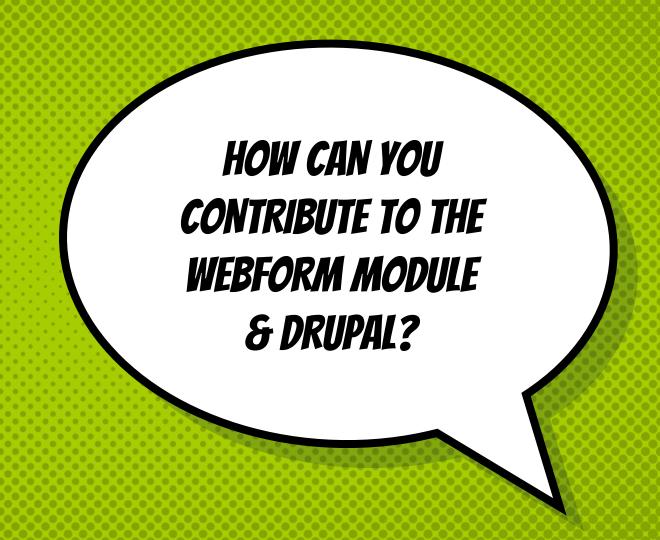


The Drupal community's ability to provide contributed modules (and core) is the real power behind the Webform module.



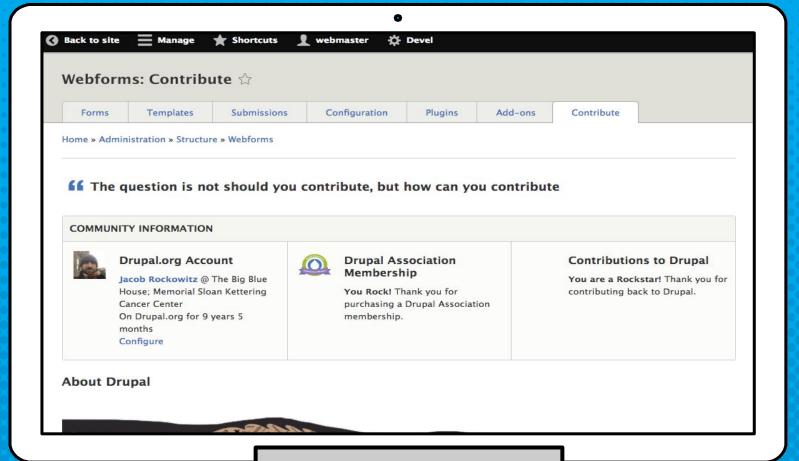


NOTSHOULD. VOU CONTRIBUTE & BUILTOURGIN



THERE IS THE CONTRIBUTE SECTION FOR THAT





The Contribute Section

<demo>





THERE IS MORE INFORMATION ABOUT...

CONNECTING WITH ME

- × Jacob Rockowitz (Blog)
 http://jrockowitz.com
- × jrockowitz on Drupal.org
 https://www.drupal.org/u/jrockowitz
- × jrockowitz on Twitter https://twitter.com/jrockowitz

THE WEBFORM MODULE

- × Documentation, Cookbook, & Screencasts https://www.drupal.org/docs/8/modules/webform
- × Drupal Answers
 http://drupal.stackexchange.com
- × Webform Issue Queue https://www.drupal.org/project/issues/webform?version=8.x

THE DRUPAL COMMUNITY

- Drupal Association (Membership)
 https://www.drupal.org/association
- Drupal Planet (Blogs)https://www.drupal.org/planet
- × Drupal Newsletter (Email)
 https://www.drupal.org/association/newsletter



RALPH SAYS...



YES!!!

ANY QUESTIONS?



Join us for contribution sprints

Friday, April 13, 2018

Mentored Core sprint

9:00-18:00 Room: 103

First time sprinter workshop

9:00-12:00 Room: 101

General sprint

9:00-18:00 Room: 104

#drupalsprint



What did you think?

Locate this session at the DrupalCon Nashville website:

http://nashville2018.drupal.org/schedule

Take the Survey!

https://www.surveymonkey.com/r/DrupalConNashville

