

BEFORE WE BEGIN ... LET'S SAY "HELLO!"

- * Where are you from?
- * Have you used the Webform module?
- × What do you want to learn about today?
- × Review the slides before the presentation

Prefix your questions with a "Q:"



HELO

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 8/9.

MY PAST WEBFORM PRESENTATIONS ADVENTURES

- × YAML, What is it good for? 2016
- × YAML Form. The Other Form Builder 2016
- × <u>Webform 8.x–5.x</u> 2017
- × Designing & theming Webforms 2017
- × Webform for Designers 2017
- × Webform: There is this for that 2018
- × <u>Webform Accessiblity</u> 2018
- × Webforms for Government 2019
- × Advanced Webforms Part I 2019
- × Advanced Webforms Part II 2017
- × <u>Webforms for Everyone</u> 2020
- × <u>Webform Greatest Hits</u> 2020

YAML, What is it good for?

...absolutely something!!!

Part III

- 1. Why use the Webform module? **★**
- 2. <u>Why did I build the Webform module?</u>
- 3. <u>What are some of the features?</u> ★
- 4. <u>What are some good examples?</u>★
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WHY USE THE WEBFORM MODULE?

1.

THE WEBFORM MODULE IS POWERFUL AND FLEXIBLE FORM BUILDER & SUBMISSION MANAGER FOR DRUPAL 8/9





- Why use the Webform module? ★
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WHY DID I BUILD THE WEBFORM MODULE?

2,

WHY DID I BUILD THE WEBFORM MODULE?

- × I want to contribute something.
- × I like to focus my energy on one project.
- × I enjoy working on long term projects.
- × Drupal 8/9 needed a form builder.
- × Open Source needs a form builder.

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WHAT ARE SOME OF THE FEATURES INCLUDED WITH THE WEBFORM

3.

MODULE?

WEBFORM FORM FEATURES

- × Drag-n-drop form builder
- × Multi-column layout
- × Modal dialogs
- × Conditional logic
- Open/close scheduling
- × Prepopulate
- × Email handling
- × Remote post
- × Custom options

- × Submission limits
- × Submission preview
- × Autofill
- × Save draft
- × Auto purge
- × Access controls
- × Confirmation message
- × Confirmation redirects
- × Sharing

WEBFORM ELEMENT FEATURES

- × Standard HTML inputs
- × Advanced HTML inputs
- × File uploads
- × Signatures
- × Buttons
- × Rating
- × Image selection
- × Addresses
- × Entity references

- × Select menu enhancement
- × Computed values
- × Tooltips
- × Slideouts
- × Input masks
- × Word/character counter
- × Regex validation
- × Access controls
- × Unique values

THE WEBFORM MODULE SHIPS WITH REASONABLE DEFAULT SETTINGS,

BUT EVERYTHING IS CUSTOMIZABLE

THERE ARE A LOT OF CONFIGURATION SETTINGS

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THERE IS A STILE-GUIDE WHICH SHOWS **EVERY AVAILABLE** WEBFORM ELEMENT

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ARE THERE GOOD

4.

EXAMPLES OF WEBFORMS?

LEARN FROM THE EXAMPLES & TEMPLATES

- × Elements & Composites (75+ Elements)
- × Computed Elements (Twig & Tokens)
- × Multi-step Wizard (Pager with Progress Tracker)
- × Multicolumn Layouts (Flexbox)
- × Conditional Logic (#States API)
- × Reusable Templates (Forms & Elements)

FINDING & CHOOSING ELEMENTS & COMPOSITES

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PERFORMING CALCULATIONS USING COMPUTED ELEMENTS



BREAKING DOWIN LONG FORMS INTO



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WHAT ARE THE ALTERNATIVES TO THE WEBFORM MODULE?

5.



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WHAT IS THE YAML SOURCE MODE?

6.

YAML PROVIDES A SIMPLE & EASY TO LEARN MARKUP LANGUAGE FOR BUILDING & BULK EDITING A WEBFORM'S ELEMENTS

THIS IS AN EXAMPLE **OF THE** VIML SOURCE **BEHIND A** WEBFORM'S ELEMENTS

name: '#title': 'Your Name' '#type': textfield email: '#title': 'Your Email' '#type': email subject: '#title': 'Subject' '#type': textfield message: '#title': 'Message' '#type': textarea

0
ANSWERING THE WHY, WHAT, & HOW QUESTIONS

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WHAT IS A FORM API (FAPI) RENDER ARRAY?

7.

FORM API (FAPI) RENDER ARRAYS

- × Define renderable (displayed) elements.
- × Described using properties.

- × Properties begin with a hash (#).
- × Elements have keys.

THIS IS A RENDER ARRAY 15 V41/1 name: '#title': 'Your Name' '#type': textfield email: '#title': 'Your Email' '#type': email subject: '#title': 'Subject' '#type': textfield message: '#title': 'Message' '#type': textarea

0

THIS IS A RENDER ARRAY AS PHP

```
$form['name'] = [
 '#title' => $this->t('Your Name'),
 '#type' => 'textfield',
];
$form['email'] = [
 '#title' => $this->t('Your Email'),
 '#type' => 'email',
];
$form['subject'] = [
 '#title' => $this->t('Subject'),
 '#type' => 'textfield',
];
$form['message'] = [
 '#title' => $this->t('Message'),
 '#type' => 'textfield',
];
```

•





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HOW DO YOU ALTER FORMS & ELEMENTS?

8.

EVERYTHING & ANYTHING CAN BE ALTERED

IN DRUPAL

ALTERING FORMS & ELEMENTS

- × Form & element alter hooks (aka functions) http://dgo.to/a/hook_form_alter
- * Preprocessing functions https://www.thirdandgrove.com/theming-form-elements-drupal-8
- × Themes & Twig templates http://dgo.to/2792967 http://drupal-bootstrap.org
- × Asset libraries (CSS/JS) http://dqo.to/27929672216195

FORM HOOKS

hook_webform_submission_form_alter

ELEMENT HOOKS

 $\verb+hook_webform_element_alter+$

OPTION HOOKS

hook_webform_options_alter

HANDLER HOOKS

hook_webform_handler_invoke_alter

ENTITY HOOKS

hook_webform_submission_insert hook_webform_submission_load hook_webform_submission_save hook_webform_submission_delete etc...

MORE HOOKS...

hook_webform_libraries_info_alter hook_webform_access_rules_alter

@see webform.api.php

@see webform.api.php

/**

* Act on a webform handler when a method is invoked.

*

- * @param \Drupal\webform\Plugin\WebformHandlerInterface \$handler
- * A webform handler attached to a webform.
- * @param string \$method_name
- * The invoked method name converted to snake case.

```
* @param array $args
```

```
* Argument being passed to the handler's method.
*/
```

```
function hook_webform_handler_invoke_alter($handler, $method_name, array &$args) {
   $webform_id = $handler->getWebform()->id();
   $handler_id = $handler->getHandlerId();
   // If contact webform email confirmation has been saved.
   if ($webform_id === 'contact'
        && $handler_id === 'email_confirmation'
        && $method_name === 'post_save') {
        $webform_submission = $handler->getWebformSubmission();
        // Do something with the webform submission.
```

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HOW TO PUBLISH A WEBFORM?

9.

PLACING WEBFORMS ON YOUR WEBSITE

Node

Webforms can be attached to a node with the node's form submissions collected in a dedicated 'Results' tabs.

Block

Webforms can be placed on your site as a block. The URL and source entity for each submission is automatically tracked.

Custom

Webforms can be added to a render array, which can be easily altered using custom hooks and/or plugins.

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

PLACING MEBFORM BLOCKS

			-			-		
Content	👬 Structure	Appearance	Extend	d 🔧 Configuration	People People	Reports	🕜 Help	
lock layou	ut ជ							
Block layout	Custom blo	ock library						
Bartik	Claro Se	even						
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lock placement is emonstrate block BLOCK Header Place	specific to each regions (Bartik) e block	theme on your site. Cl	EGORY	REGION		OPERATIO	Show roo	w weigh

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

CREATING INEBEORIA NODES

6	Content	Structure	Appearance	Extend	Configuration	I People	Reports	Help	
							Unmasquerade	My account	Log o
1		ويتعادده والمحاد							
		orm Demo							
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Home	Denio. Even								
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View Your Nat webmas Your Em	Test Res me * ster nail * itz@users.nor		Settings Reference	Export	Devel				
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ANSWERING THE WHY, WHAT, & HOW QUESTIONS

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- 19. How to manage submissions? 🖈
- 20. <u>How to distribute submissions?</u> \star
- 21. How to extend the Webform module? \star
- 22. How to stop SPAM?
- 23. <u>How to test webforms?</u>
- 24. How to get help? ★

WHAT IS A SOURCE ENTITY?

10.

A SOURCE ENTITY TRACKS & CREATES A RELATIONSHIP TO THE DRUPAL ENTITY

FROM WHICH A WEBFORM WAS SUBMITTED

SOURCE ENTITY OVERVIEW

- × Allows a webform to be reused multiple times
- × Determined via the current route or query string
- × Webform nodes use source entities
- Webform blocks use source entities
- × Even paragraphs use source entities

ARE SOURCE ENTITIES

THESE

	• <u> </u>	anage 🌟 Sh	ortcuts 👤	webmaster 🗘	Devel				
Demo: Event Registration 🕁									
View	Test	Results	Build	Settings	References	Export D	evel		
Submis	sions	Download	Clear	Log					
annotated.		video		w of a webform's s	ubmissions. Subm	issions can be re	/iewed, updated, flagged a	nd/or	
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THE SOURCE ENTITY CAN BE USED TO TRACK

× Site Feedback

A form that tracks which page the comments are related to.

× Event Registration

A registration form that tracks which event a user has registered for.

× Application Evaluation An evaluation form attached to applications.

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HOW TO IMPROVE A FORM'S USER EXPERIENCE?

11.

IMPROVE A FORM'S **USER EXPERIENCE BY ADJUSTING** FORM BEHAVIORS



RECOMMENDED FORM BEHAVIORS

- Prepopulate using query string parameters
- × Warn users about unsaved changes
- Prevent duplicate submissions
- Display required indicator
- × Autofocus the first element

RESPOND TO USER INTERACTION BY LEVERAGING CONDITIONAL LOGIC

Contact ☆		Edit Your Nar	ne element			
Build		General	Conditions	Advanced	Access	Collapse al
Elements Source		CONDITION	L LOGIC			
Home » Administration » Stru	cture » Webforms	STATE	ELEMENT		TRIGGER/V	VALUE
The Elements page allows us	ers to add, update,	Visible 🔻	if All ▼ o	f the following is	met:	$\oplus \odot$
Watch video	and wizard pages.		Your Email	[Email]	▼ Filled	• ⊕ ⊝
+ Add element + Add + Add layout 7	page Show row weights	Requirec 🔻	if All 🔻 o	f the following is	met:	$\oplus \bigcirc$
Show all columns			Your Email	[Email]	▼ Filled	• -
TITLE	Edit •	Add anoth		lit source		
🕂 Your Email	Edit •		ote when an elem		vill not be required	d.
🕆 Subject	Edit -					

•

CONDITIONAL LOGIC TIPS & TRICKS

- × Can be applied to containers, pages, and cards
- × Hidden elements can trigger conditions
- × Prepopulated elements can trigger conditions
- × Use the pattern trigger for multiple values

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HOW TO IMPROVE AN ELEMENT'S USER EXPERIENCE?

12.

PROVIDE **EXPLANATIONS** USING TITLES, PLACEHOLDERS, DESCRIPTIONS. MORE, SHEP

This is a title ?

This is a placeholder

0

This is a description

► More

LABELING TIPS

- × Placeholders provide guidance
- Description (text) provides extra information
- × More (link) provides a lot of extra information
- × Help (tooltip) provides information in tight spaces
- × Placeholders should not replace labels
- Vse more (link) and help (tooltip) cautiously
| SET |
|---------------------|
| EXPECTATIONS |
| USING |
| INPUT MASKS, |
| COUNTERS, |
| TELEPHONE. |
| & SELECT |
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(212)				
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DON'T FORGET THAT YOU CAN PREVIEW AU AVAILABLE ELEMENTS





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HOW TO USE WEBFORM TEMPLATES?

13.

TEMPLATES ARE FORMS THAT CAN BE COPIED TO CREATE NEW FORMS

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

WEBFORM TEMPLATES **CAN BE USED** AN EXAMPLE OR **A STARTING** POINT

Cont	tent 👬 Struct	ure 🔇 Appearar	ice 🔥 Extend	Configuration	L People	Repor	rts 🕜 Help	1
/ebforr	ms ជ							
Forms	Templates	Submissions	Options	Configuration	Access	Add-ons	Help	
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WHAT IS THE ANATOMY OF A FORM & ITS ELEMENTS?

14.

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/Cards

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

THE ANATOMY OF A FORM ELEMENT

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

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HOW DO YOU CHANGE THE LOOK-N-FEEL OF A WEBFORM?

15.

CUSTOM CLASSES, STYLES, & ATTRIBUTES

× Classes

Apply reusable theme specific design

- × Style Tweak layout and look-n-feel
- × Attributes Advanced attributes and tracking codes

DEFINE **CUSTOM** CLASSES, STYLES, & ATTRIBUTES

-		Edit Your Name element	
Contact 🕁			
Build		▼ WRAPPER ATTRIBUTES	
Elements Sour	ce	Wrapper CSS classes 🕜	
ome » Administration » S	tructure » Webforms	Wrapper CSS style 👔	
he Elements page allows uplicate and delete eleme		Wrapper custom attributes (YAML) 7	
+ Add element + A + Add layout 7	Show row weights	▼ ELEMENT ATTRIBUTES	
+ Add layout		▼ ELEMENT ATTRIBUTES Element CSS classes ②	
+ Add layout	Show row weights		
+ Add layout 0 TITLE	Show row weights OPERATIONS		
+ Add layout 0 TITLE Your Name	Show row weights OPERATIONS Edit •	Element CSS classes 👔	



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

ADDING CUSTON CSS & MUASCRIPT

Contact	~						
View	Test	Results Bui	ld Settings	References	Export D	evel	
General	Form	Submissions	Confirmation	Emails / Handle	rs CSS / J	S Access	
	low CSS and J			nd JavaScript to a webfo			
		porder: 1px solid	#333; padding: 20	ipx}			
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HOW DO LIMIT ACCESS TO A WEBFORM?

16.

LEVELS OF ACCESS CONTROLS

× Permissions

Access to all webforms, submissions, and advanced editing

- * Form access controls Access to a specific webform
- × Element access controls Access to a specific webform element
- * Webform access module Access to a webform nodes

DEFINING MEDFORM PERMISSIONS

Content	Structure	Appearance	Extend	🔧 Configura	tion 🤦 Peop	ole Reports	🕜 Help
PERMISSION					ANONYMOUS USER	AUTHENTICATED USER	ADMINISTRATOR
Vebform							
Warning: Giv} A webform's co	onfiguration includ	on ly; this permission ha ies all settings and ha rs and applications to	ndlers which car	n contain			
Warning: Give A webform's co sensitive inform	onfiguration includ	ly; this permission ha les all settings and ha rs and applications to	ndlers which car	n contain			
	bform overview p w of all webforms.	age					
	bform user submi o view their submi	ssion page ssions via 'Submissior	ns' tab on their p	profile page.			
	bform element ac	cess to certain roles and u					

•



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 a webform and submissions

SETTING FORM & SUBMISSION LEVEL ACCESS CONTROLS

View	Test	Results	Build	Settings	References	Export	Devel		
General	Form	Submis	sions	Confirmation	Emails / Ha	ndlers	CSS / JS	Access	
Roles Anonyn Authen	ious user								
🗹 Anonyn	icated user				0				

ALLOWING FLEMENT LEVEL ACCESS CONTROLS

					Q Sea				-		
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or	ntact ය										
V	/iew	Fest	Results	Build	d S	ettings	References	Export	Devel		
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ome	» » Administr	ation »	Structure » 1	Nehforms							
ome	e » Administr	ation »	Structure »	Webforms							
					dunlicate	and delete	elements and wiza	urd pages	Watch video	1	
					duplicate :	and delete	elements and wiza	rd pages. 🕕	• Watch video)	
he E		je allow				and delete		ard pages. 🕕	• Watch video) Sho	ow row weights
he E	lements pla	je allow	s users to a	dd, update,				urd pages. 🕕	• Watch video) Sho	ow row weights
he E	ilements page	je allow	s users to a	dd, update,		+ Add Iayo		urd pages. 🕕	• Watch video	Sho	
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HOW TO SHARE A WEBFORM?

17.

WEBFORMS

SHARING

Back to s	ite =	Manage	* Shortcuts	🔍 Search 👤	webmaster 🔅 D	evei			
	Content	👬 Structu	re 🔇 Appeara	nce 🛃 Extend	Configuration	People	Reports	🕜 Help	1
Webfo	orms a	~7							
Forms	Те	emplates	Submissions	Options	Configuration	Access	Add-ons	Help	
lome » A	dministrat	tion » Structu	re				۲		
The Form	Webform	module's Ope	en Collective.		involved, consider join		and an and		× status.
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Fhe Form Wat + Add w V FILT Filter	Webform s manage tch video vebform ER WEBFC by title, d	module's Operation of the second seco	en Collective. Its all available web ements, user na	forms, which can b Filter by categor	e filtered by the follow	ing: title, descr	ption, elements		

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- 19. How to manage submissions? 🖈
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- 21. How to extend the Webform module? \star
- 22. How to stop SPAM?
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- 24. <u>How to get help?</u> ★

18. HOW TO SECURE WEBFORM SUBMISSIONS?

SECURING SUBMISSION DATA

Webform Encrypt module Provides the ability to encrypt fields/components. <u>https://www.drupal.org/project/webform_encrypt</u>

Disable the saving results

Completely prevents submission data from reaching the database. Submissions must be sent via an email or processed using a webform handler.

WEBFORM ENGRIPT NODULE

Ξ

Download & Extend		Add Issues for Webform Encrypt to dashboa
Drupal Core Distributions Modules Themes		
Vebform Encrypt		
View Version control View history Automated testing	1	
y th_tushar on 16 May 2011, updated 8 June 2017		★ Star 14 🖂 No mail
his module creates the ability to encrypt	Encryption	
elds/components from the Webform module. Each /ebform component can be marked as "Encrypted" and very time a user submits the webform, the encrypted value with the component will be caude instead of the crisical	Encrypt this field's value Click here to edit encryption settings.	Maintainers for Webform
or that component will be saved instead of the original alue.	Validation	Encrypt
		vijaycs85 – 5 commits last: 1 week ago, first: 1 year ago
ncryption is provided by the Encrypt module.		Manuel Garcia – 11 commits
he 7.x branch of this module requires Webform 4.x and Encry	ypt 2.x. It will not work with older	last: 4 months ago, first: 1 year ago
ersions of Webform		th_tushar - 5 commits last: 11 months ago, first: 2 years ago
roject information		Rob Holmes - 1 commit last: 1 year ago, first: 1 year ago
Module categories: Security		

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6

DISABLE THE SAWING OF SUBMISSIONS

	 Source Source Basic email contact webform. Category None - Allow this webform to be used Disable saving of submissions is disabled, submission setting submission limits, purging and the saving of drafts we disabled. Submissions must be sent via an email or submission setting and the set via an email or submissions must be sent via an email or submissions. 	Administrative description	
Category - None - ■ Allow this webform to be used Disable saving of submissions is disabled, submission setti submission limits, purging and the saving of drafts w disabled. Submissions must be sent via an email or	Category Disable saving of submissions - None - If saving of submissions is disabled, submission setti submission limits, purging and the saving of drafts widisabled. Submissions must be sent via an email or processed using a custom webform handler.		
 None - Allow this webform to be used Allow this webform to be used 	 None - Allow this webform to be used Archive this webform ? 	Basic email contact webform.	
 Allow this webform to be used Allow this webform to be used 	 Allow this webform to be used Archive this webform ? 	Category	Disable saving of submissions
Allow this webform to be used disabled. Submissions must be sent via an email or	 Allow this webform to be used disabled. Submissions must be sent via an email or processed using a custom webform handler. 	– None – 💌	If saving of submissions is disabled, submission setting of drafts we
Archive this webform ? processed using a custom webform handler.		Allow this webform to be used	
	Disable saving of submissions ?	Archive this webform ?	processed using a custom webform handler.

ANSWERING THE WHY, WHAT, & HOW QUESTIONS

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- 24. How to get help? \bigstar

HOW TO MANAGE SUBMISSIONS?

19.

DOWINLOAD (OR UPLOAD) SUBMISSIONS

li	Content	👬 Structure	A	ppearance	Extend	d 🔧 Co	onfiguration	Je P	eople	Reports	🕜 Help	1
Con	itact ය											
Vie	ew T	est Resu	ts	Build	Settings	Referer	nces	Export	Devel			
Sul	ubmissions	Download	i l	Jpload	Clear							
he Su	ubmissions	ntion » Structure page displays a Vatch video			of a webfor	n's submiss	sions. Subm	issions ca	n be reviewed	l, updated,	, flagged and/or	
he Sunnota	ubmissions (ated. W TER SUBMIS	page displays a Vatch video	customiza	ble overvi¥w	r of a webforn [50]	n's submiss		issions ca	n be reviewed	l, updated,	flagged and/or	
Fill Fill	ubmissions (ated. W TER SUBMIS	page displays a Vatch video SIONS	customiza	ble overvi¥w				issions ca	n be reviewed	l, updated,	, flagged and/or	
The Sunnota	ubmissions ated. TER SUBMIS Iter by subm ustomize	page displays a Vatch video SIONS itted data and/c	customiza	ble overvi¥w	[50]	Filt			n be reviewed		flagged and/or	SUE

VIEWING & MANAGING SUBMISSIONS

- × Global submissions
- × Webform results
- Webform node results
- Webform user submissions
- Vser submissions
RESULTS TABLE WITH OR WITHOUT VIEWS

CUSTOMIZABLE

)	Conte	nt 🞜	Structure	🔦 Appearanc	e Extend	🔧 Configuratio	on 🤦 Pe	ople	Reports 🕜 H	lelp	
Со	ntact	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~									
1	/iew	Test	Results	Build	Settings	References	Export	Devel			
Hom The S anno	Submissio	stration ns page ▶ Watch	n video		Clear	s submissions. Sub	missions can	be reviewed,	updated, flaggec	d and/or	
Hom The S anno	e » Admini Submissio tated.	stration ns page > Watch JBMISSIG	» Structure » ' displays a cu: 1 video	Webforms stomizable overv			missions can	be reviewed,	updated, flagged	d and/or	
Hom The S anno	e » Admini Submissio tated.	stration ns page > Watch JBMISSIC	» Structure » ¹ displays a cu n video DNS	Webforms stomizable overv	iew of a webform's		missions can	be reviewed,	updated, flagged	d and/or	
Hom The S anno	e » Admini Submissio tated. FILTER SU Filter by su	stration ns page > Watch JBMISSIC bmitted	» Structure » ¹ displays a cu n video DNS	Webforms stomizable overv	iew of a webform's		missions can	be reviewed,	updated, flagged	d and/or	
Hom The S anno	e » Admini Submissio tated. () FILTER SL Filter by su Customize	stration ns page Watch JBMISSIC bmitted	» Structure » 1 displays a cu: 1 video DNS data and/or r	Webforms stomizable overv	iew of a webform's			be reviewed,	updated, flagged		SUB

REPLACE THE DEFAULT RESULTS TABLE WITH CUSTOM WEBFORM VIEWS

Conte	ent 🔒 Structur	re 🔇 Appearanc	e E xtend	🔧 Configurat	ion 🦺 People	Reports	Help	
ebforn	ns: Submiss	ions configu		main content				
Forms	Templates	Submissions	Options	Configuration	Access	Add-ons	Help	
Forms	Elements	Submissions	Handlers	Variants	Exporters	Libraries	Advanced	
Submissi		re » Webforms » Conf page a ¹ ows adminis NGS		submissions setti	ngs, behaviors and	messages. (► Watch video	apse all
Submissie SUBMISSIO	ons configuration	page atows adminis		submissions setti	ngs, behaviors and	messages. (apse all
Submissi SUBMISSIO	ons configuration N GENERAL SETTI cess denied messi	page atows adminis	trators to manage			messages. (apse all
Submissio SUBMISSIO Default acc Format	ons configuration N GENERAL SETTI cess denied messi	page allows adminis NGS age * $\mathbf{x}^{a} \mid \mathbf{\Xi} \mid \Omega \mid \boldsymbol{\varpi}$	trators to manage			messages. (apse all

ANSWERING THE WHY, WHAT, & HOW QUESTIONS

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HOW DO YOU DISTRIBUTE A WEBFORM SUBMISSION?

20.

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

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

Debug Debug webform submission

SEND & ROUTE EMAILS USING AN



SEND **SUBMISSION** DATA OUT OF **DRUPAL USING A REMOTE POST** HANDLER

									Unmasquerade	My account	L
1											
				o Site							
	A form	i builder ar	nd submiss	ion managei	r for Drupal	8.					
Home	Demo:	Events									
Home » A	dministra	tion » Struc	ture » wed	torms							
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View	Test	Results	Build	Settings	Reference	s Export	Devel				
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jrockow	itz@user	s.noreply.g	github.com	n							
Subject											
Message	*										

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HOW TO EXTEND THE WEBFORM MODULE?

21.

ADD-ONS ARE DRUPAL MODULES & PROJECTS THAT EXTEND & PROVIDE ADDITIONAL FUNCTIONALITY TO THE WEBFORM MODULE & DRUPAL'S FORM API

INSTALL MEBFORM ADD-ONS

Webform	ıs: Add-on	s ☆					
Forms	Templates	Submissions	Configuration	Access	Add-ons	Help	
API. If you wou Watch vi Filter by keyw 115 add-ons V ELEMENT O Address Provides https://w	Id like a module or ideo rord	r project to be includ	that extend and provi led in the below list, pl	ease submit a r	equest to the We		iodule and Drupal's Form le's issue queue. Collapse
			qate which integration v	vith Loqate (prev	iously PCA/Addr	essy) <mark>address</mark>	lookup. Soloqate
	Slider ion with http://rang ithub.com/baikho/Rang						

TYPES OF WEBFORM ADD-ONS

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

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

ANSWERING THE WHY, WHAT, & HOW QUESTIONS

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22. How do to stop spam?

SPAM PROTECTION: ADD-ONS

Honeypot

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

Antibot

Prevent forms from being submitted without JavaScript enabled. <u>https://www.drupal.org/project/antibot</u>

CAPTCHA

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

SPAM PROTECTION: TIPS & TRICKS

- × CAPTCHA works the best but it is the most annoying
- Honeypot can be good enough without annoying users
- SPAM protection modules may disable page caching

A GOOD SPAM PROTECTION **RECIPE IS** HONETPOT **SANTIBOT**

			Appearance	Extend	Configuration	People	Reports	Help My account	Log
							Unmasquerade	My account	LOG
	Drupal 8	8: Webfor	n Demo	Site					
6		and submission m							
Home	Demo: Events								
Home » A	dministration » Str	ructure » Webforms							
		anganananan ang ang ang ang ang ang ang							
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View	Test Build	-	erences Expo	rt Devel					
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jrockow	itz@users.norepl [,]	y.github.com							
Subject	*								

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23. HOW TO TEST WEBFORMS?

TESTS CONFIRM

EXPECTATIONS

WEBFORM TESTS CONFIRM

- × Rendering: Check an element's markup
- * Processing: Check an input's default value
- × Validation: Check required error messages
- × Settings: Check labels and layout
- × Access: Check user access controls

THE WEBFORM MODULE HAS A LOT OF TESTS WHICH YOU CAN **LEVERAGE IN YOUR CUSTOM PROJECTS.**



TESTING BEST PRACTICES

- × Create a test module with exported webforms
- × Write tests for every element and setting
- × Establish repeatable testing patterns
- × Organize tests into groups/subdirectories
- × Having easy-to-repeat manual tests is okay
- × Some tests are better than no tests

ANSWERING THE WHY, WHAT, & HOW QUESTIONS

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HOW TO GET HELP WITH THE WEBFORM MODULE?

24.

GETTING HELP

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



DEVELOPMENT, OR HIRE ME PROFESSIONAL SUPPORT

INVOLUED,



Download & Extend

Drupal Core Distributions

Modules Themes General projects

0

Webform



Version control Automated testing

By jrockowitz on 26 April 2004, updated 7 April 2021

The Webform module allows you to build any type of form to collect any type of data, which can be submitted to any application or system. Every single behavior and aspect of your forms and their inputs are customizable. Whether you need a multi-page form containing a multi-column input layout with conditional logic or a simple contact form that pushes data to a SalesForce/CRM, it is all possible using the Webform module for Drupal 8/9.

Watch an introduction to Webform

* 310

Maintainers for Webform

Q ()

jrockowitz - 3075 commits last: 17 hours ago, first: 4 years ago

Liam Morland - 162 commits last: 3 weeks ago, first: 6 years ago

DanChadwick - 575 commits last: 7 months ago, first: 7 years ago

torotil - 15 commits last: 11 months ago, first: 6 years ago

quicksketch - 2237 commits last: 6 years ago, first: 15 years ago

