# DRUPAL 8 MULTILINGUAL POSSIBILITIES FOR CUSTOMIZED CHECKOUT SYSTEM

**Drupal Camp Frankfurt 2017** 

Ahmad Hassan Sr. Web Developer Spotlight Verlag

#### **DRUPAL 8 MULTILINGUAL POSSIBILITIES**

- Customized Checkout system
- Translatable Custom Entities
- Multilingual Entity Form
  - Translate Form Authentication
- Twig Translation
- Block and Menu Translation
- Using PO file for additional Translation.
- Core Possibilities.

#### DRUPAL 8 MULTILINGUAL POSSIBILITIES

# **Customized Checkout system**

- Why it called customized. It has Customized entities, custom blocks, custom cart... almost everything except drupal8 multilingual core support.
- We have designed a Customized Checkout system with custom Content Entity.
- We have used mainly three entities for user interaction to submit their orders.
- Actually for these Entities, we need translation support for atleast five EU languages.
- We need to translate our forms and information about the order.
- This was my first multilingual site but it was easy to manage in drupal 8.
- To achieve all this we need to follow some simple steps...

# Translatable Custom Entities...

After creating new content entity, we need to declare translatable = TRUE in
 Entity annotation. e,g

```
* },
* field_ui_base_route = "adressform.settings",
* translatable = TRUE
*)
*/
```

Drupal 8 provide Interface to select which fields we need to translate. e,g

TRANSLATABLE	ADRESSFORM				
⋖	Adressform				
⋖	Authored by				
<b>⋖</b>	First Name				

# Translatable Custom Entities...

Each Field have to define with label/description with t() function.

```
$fields['name'] = BaseFieldDefinition::create('string')
  ->setLabel(t('First Name'))
  ->setDescription(t('First Name'))
  ->setSettings(array(
    'max length' => 50,
    'text processing' => 0.
  ->setRequired(TRUE)
  ->setDefaultValue('')
 ->setDisplayOptions('view', array(
   'label' => 'above',
   'type' => 'string',
    'weight' => -4.
  ->setDisplayOptions('form', array(
    'type' => 'string_textfield',
    'weight' => -4.
  ->setTranslatable(TRUE)
  ->setDisplayConfigurable('form', TRUE)
  ->setDisplayConfigurable('view', TRUE);
```

#### MULTILINGUAL Entities Form...declaration

- As we have define Entity translatable = True,
   We also need to define setTranslatable(TRUE)
   Over each Field.
- Strings which does not define in core,
   we imported all strings in .po files.
- I have also manage the title of forms to define
   With t() funtion in Entity form

```
'type' => 'string_textfield',
  'weight' => -4,
))
->setTranslatable(TRUE)
->setDisplayConfigurable('form', TRUE)
```

```
$form['#title'] = t("strings");
```

# **MULTILINGUAL Entities Form...** Example

#### Adresse de facturation

				* Nr.	
	* Ville				
Allemagne					
✓ La conse	gna avviene all'	'indirizzo indicato.			
		Allemagne	Allemagne	Allemagne	* Ville Allemagne

# MULTILINGUAL Entities Form... Country names list

- We have taken list of countries from some services by sending language-id in parameter.
- For example if current language is German, I pass 'de' and get country names in German.
- We can get current active language in drupal 8 with language Manager.

\$language = \Drupal::languageManager()->getCurrentLanguage()->getId();

#### MULTILINGUAL Entities Form... form validation

- In form validate function, we can override core form validation
- We can simply define string with \$this->t() function.
- \$form\_state->setErrorByName('Field', \$this->t("Please Enter your Field"));
  - Le champ E-mail est requis.
  - · Le champ Nr. est requis.
  - Le champ Nom est requis.
  - · Le champ Prénom est requis.
  - Le champ Ville est requis.
  - · Le champ CP est requis.
  - · Le champ Rue est requis.

# MULTILINGUAL with Twig ... .twig

 We can also define labels or description strings in twig file as html.

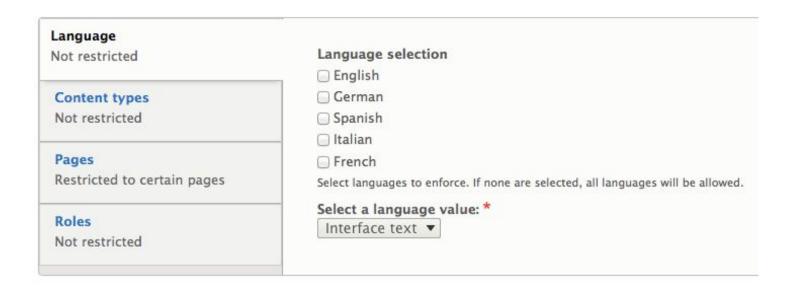
And to translate these string we can just use

```
{% trans %} Please review your order details {% endtrans %}:
```

 And import those strings for other languages with .po files.

#### MULTILINGUAL Custom Block and Menu... form validation

• We can define in visibility, on which languages this block should be visible.



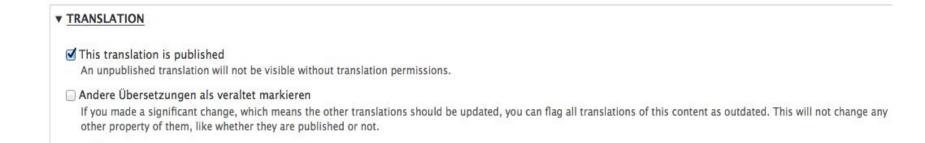
### MULTILINGUAL Custom Block and Menu... Blocks

- In drupal 8, we can define a block and than translate them in other language
- We just need to define title and block content separately for each language.



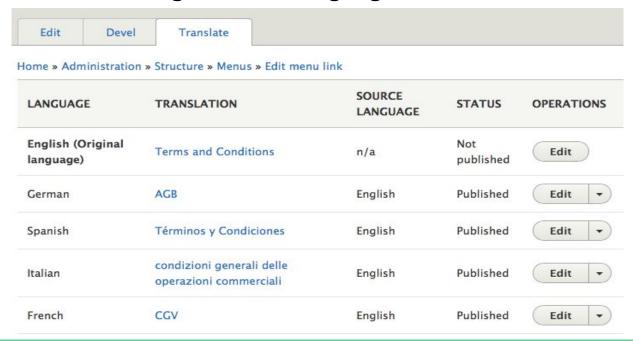
#### MULTILINGUAL Custom Block and Menu... Blocks

- We can also publish or unpublish each translation and use as other contents.
- As well as we make these translation outdated to use some other. E.g,



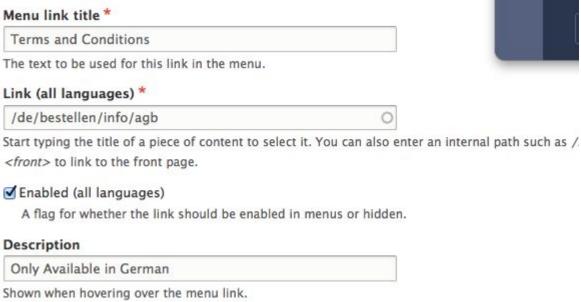
#### MULTILINGUAL Custom Block and Menu... Menu

 Similarly we can define a menu and for each menu element can have different settings for each language.



#### MULTILINGUAL Custom Block and Menu... Menu

- We can create different link title, description for different languages.
- We can also publish/unpublish or outdate menu element translation as blocks.,



# Import strings Using .po files... Import

- I have just copied core .po file and remove all the string and add all my strings and translated string in it.
- Drupal 8 provides import/export feature to update or get all string by interface.
- So no need to update code for just translation. Just define all with t(),
- Add all strings and translation in .po file and import in related language.

# Core Possibilities... settings

- We can install Drupal 8 in any language instead of doing it on later staging.
- In Drupal 8, we can define how current language would be detect, e.g, by Url, Session, browser, user. Depend upon your settings, Im using Url.
- Custom language settings, where we can see a list of translatable Entities.
   Any content type, Entity, user, Profile, custom Entity blocks..
- After Selecting each Entity, we can also select their fields.
- We can also set if these settings should display on view/edit pages.

## Core Possibilities... settings

- We can import and export .po files. I have added my strings with .po files, we can also override in file if already exist.
- The good thing is that once you import all translations you are able to edit any string by interface.
- So instead of just content translation, we have also list of configuration settings. And we can translate configuration.

#### Core Possibilities... Code

• From Entity Obj, we can get translations and then we can get translation of all fields, e.g,

```
$translation = $ent->getTranslation('de');
$titles['de'] = $translation->title;
```

- How we can get the lanuage code:
  - \$language =
     \Drupal::languageManager()->getCurrentLanguage()->getId();
  - To get the language name: \$language =
     \Drupal::languageManager()->getCurrentLanguage()->getName();

# Languageicon... contrib module

- This was the only contrib module we have used in our site.
- This module provide a list of flags of enable language.
- It also provide us block. We can make visible any region of our site.
- Only one click on language can change your page to another language

# DRUPAL 8 MULTILINGUAL POSSIBILITIES FOR CUSTOMIZED CHECKOUT SYSTEM

Thanks

Questions