



Joget DX8

Localizing your Joget

Prerequisites

- Understand various components of Joget and able to build application as a Joget App Developer
- Understand Hash Variables

Content

1. Localizing Joget
2. User Locales
3. Localizing App Using Advanced Tools
4. Localizing App Using Hash Variable



Chapter 1

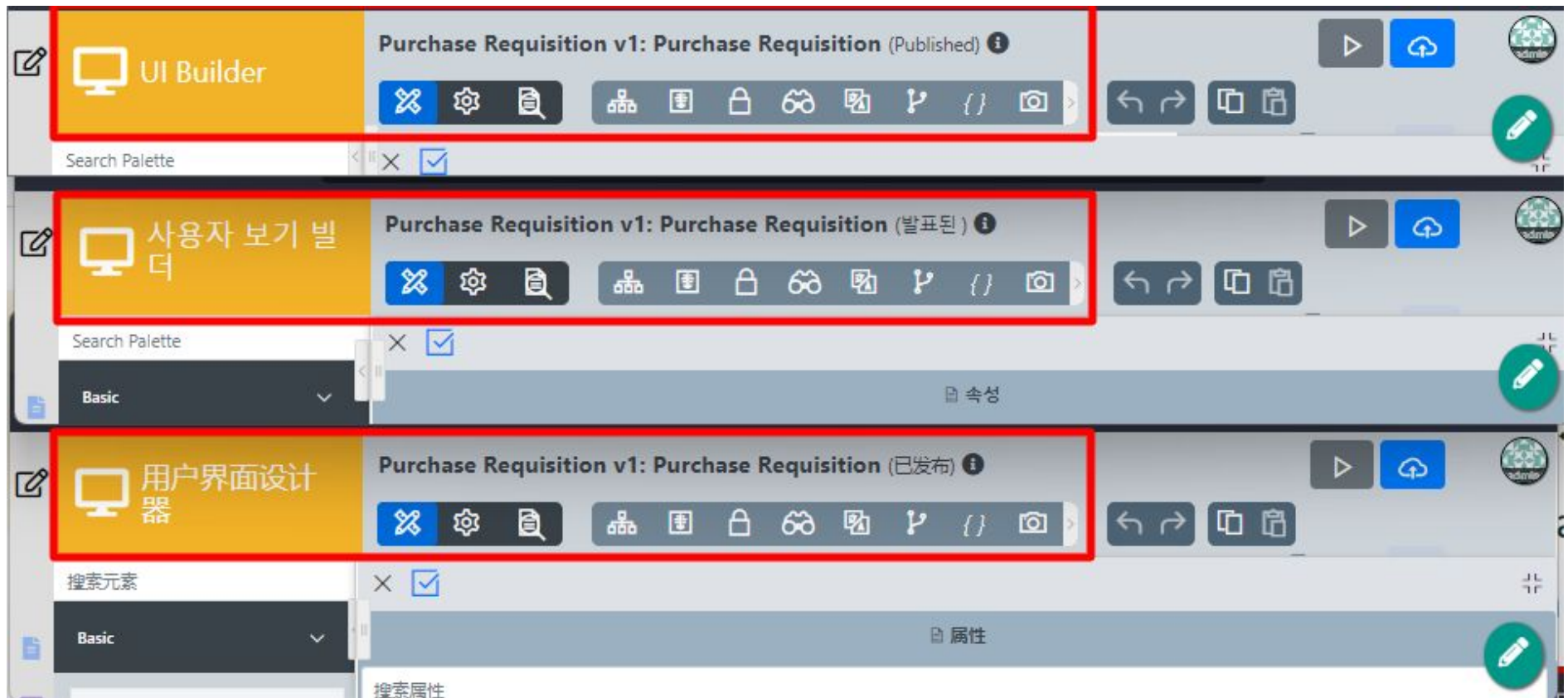
Localizing Joget

Internationalization Support on Joget App

- You may support multiple locales on your designed apps as defined in the system settings.
- User may opt for their own preferred locale set by the settings.

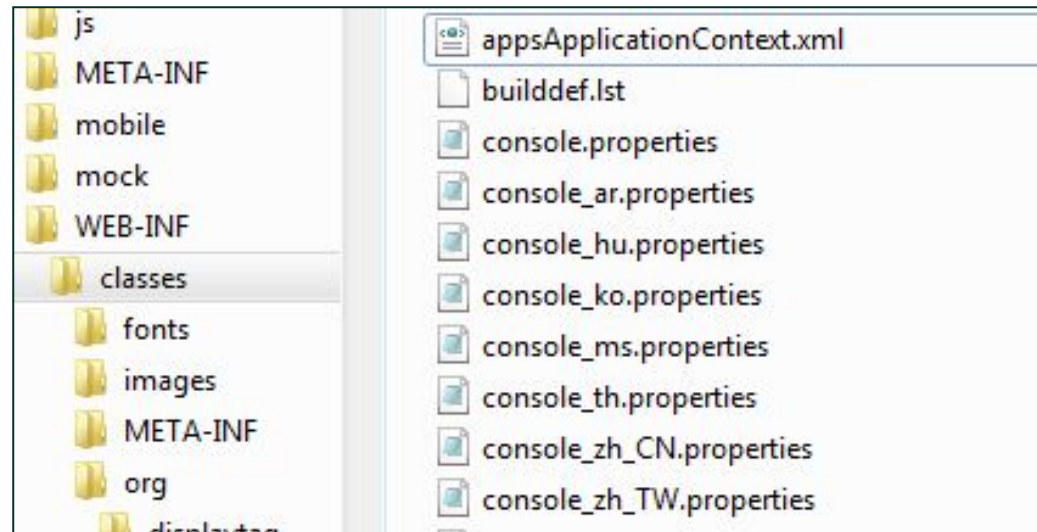
Localizing Joget Into Your language

- By default, Joget has a set languages embedded.
- Maintained at translate.joget.org



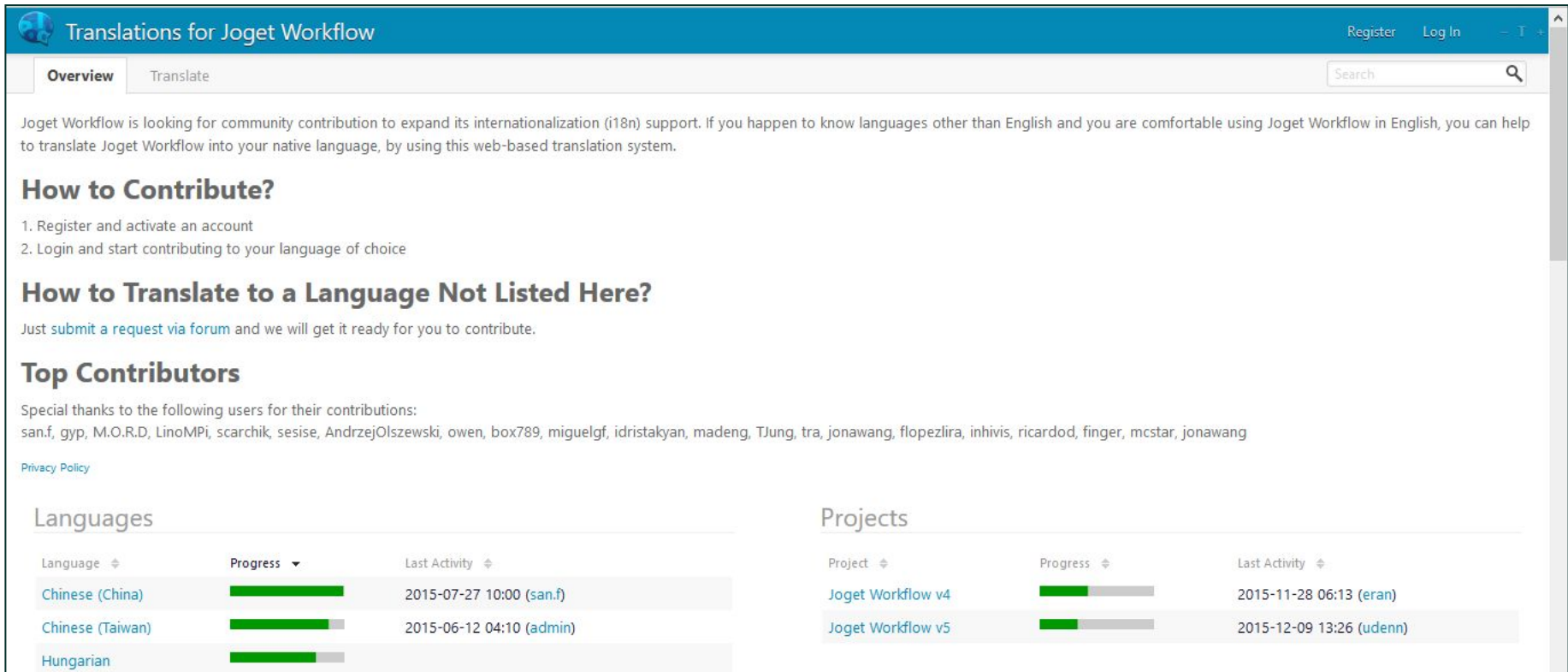
How to Inspect Available Languages?

- Check for .properties files in
 \tomcat\webapps\jw\WEB-INF\classes
- Check for **postfix** of the .properties files
 denoting the locale.



Translation Community

- You are welcomed to join the online translation community at translate.joget.org



The screenshot shows the 'Translations for Joget Workflow' website. The header is blue with the Joget logo and navigation links for 'Register' and 'Log In'. Below the header, there are tabs for 'Overview' and 'Translate'. The main content area includes a welcome message, a 'How to Contribute?' section with two steps, a 'How to Translate to a Language Not Listed Here?' section with a link to submit a request, and a 'Top Contributors' section listing several users. At the bottom, there are two tables: 'Languages' and 'Projects', both showing progress bars and last activity dates.

Translations for Joget Workflow

Register Log In

Overview Translate

Search

Joget Workflow is looking for community contribution to expand its internationalization (i18n) support. If you happen to know languages other than English and you are comfortable using Joget Workflow in English, you can help to translate Joget Workflow into your native language, by using this web-based translation system.

How to Contribute?

1. Register and activate an account
2. Login and start contributing to your language of choice

How to Translate to a Language Not Listed Here?

Just [submit a request via forum](#) and we will get it ready for you to contribute.

Top Contributors

Special thanks to the following users for their contributions:
san.f, gyp, M.O.R.D, LinoMPi, scarchik, sesise, AndrzejOlszewski, owen, box789, miguelgf, idristakyan, madeng, TJung, tra, jonawang, flopezlira, inhivis, ricardod, finger, mcstar, jonawang

[Privacy Policy](#)

Languages

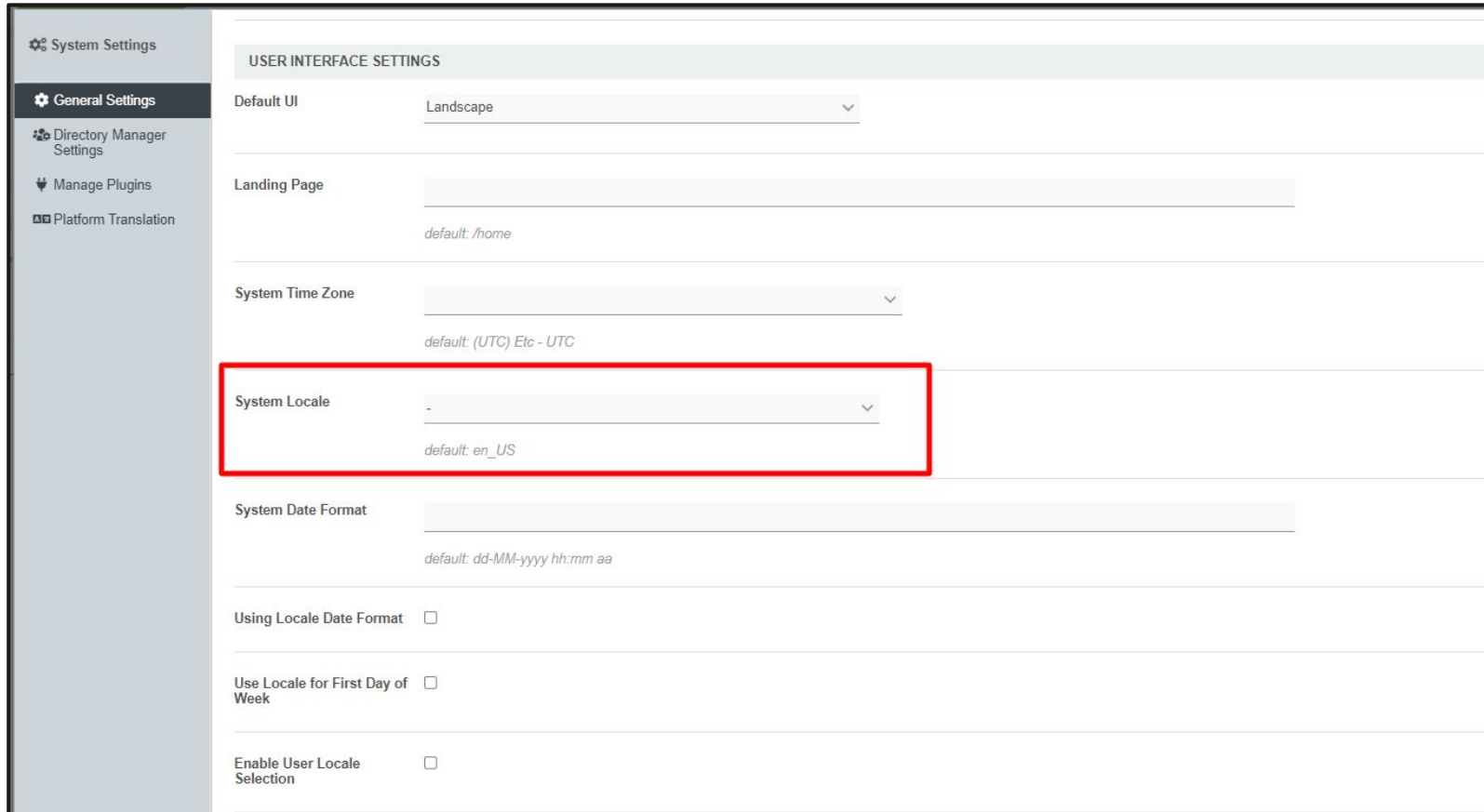
Language	Progress	Last Activity
Chinese (China)	<div><div></div></div>	2015-07-27 10:00 (san.f)
Chinese (Taiwan)	<div><div></div></div>	2015-06-12 04:10 (admin)
Hungarian	<div><div></div></div>	

Projects

Project	Progress	Last Activity
Joget Workflow v4	<div><div></div></div>	2015-11-28 06:13 (eran)
Joget Workflow v5	<div><div></div></div>	2015-12-09 13:26 (udenn)

Switching System Locale

- Settings --> General Settings --> System Locale



The screenshot displays the 'System Settings' interface. On the left sidebar, 'General Settings' is selected. The main content area is titled 'USER INTERFACE SETTINGS'. The 'System Locale' option is highlighted with a red rectangular box. Below it, the 'System Date Format' is also visible. The 'Using Locale Date Format', 'Use Locale for First Day of Week', and 'Enable User Locale Selection' options are all unchecked.

USER INTERFACE SETTINGS	
Default UI	Landscape
Landing Page	<input type="text"/>
	default: /home
System Time Zone	<input type="text"/>
	default: (UTC) Etc - UTC
System Locale	<input type="text"/>
	default: en_US
System Date Format	<input type="text"/>
	default: dd-MM-yyyy hh:mm aa
Using Locale Date Format	<input type="checkbox"/>
Use Locale for First Day of Week	<input type="checkbox"/>
Enable User Locale Selection	<input type="checkbox"/>

Exercise: Switching Locale

- Switch to one of the available languages found in the system files earlier.
- System may take a few moments to refresh its cache.

Exercise: Importing PO File

- Go to *translate.joget.org*
- **Select** a language
- **Download** the .po files
- Select the downloaded file and upload. Go to **System Settings -> Platform Translation -> Import PO File**
- Switch to the new locale and observe.
- NOTE: Do **NOT** upload .zip bundle file.

Chapter 1 Review

- Change Joget locale.
- Import new locale.



Chapter 2

User Locales

User Locale

- Joget administrator may define multiple locales available for selection by the end users.
- User may opt for their own preferred locale based on the selections above in his/her profile.
 - E.g. **cat** navigates the web console in **English**, while **clark** is able to navigate the same page in **Chinese**.

Note: User locale will take precedence over the system locale

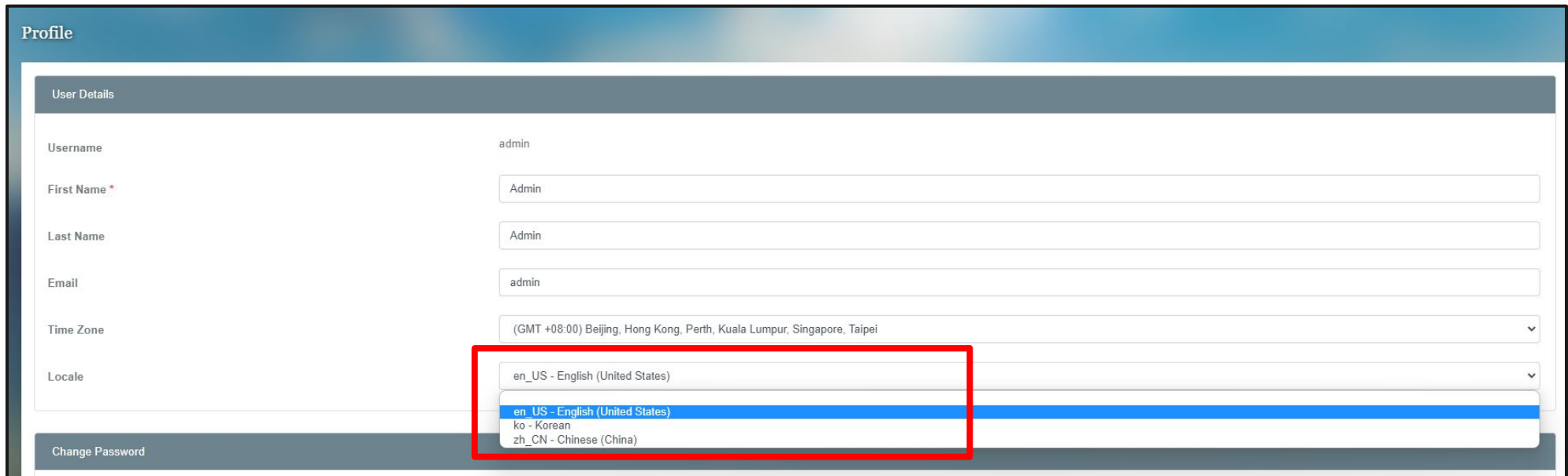
Enable User Locale Options

- Settings -> General Settings

Enable User Locale Selection	<input checked="" type="checkbox"/>
User Locale Options (Language code, separated by comma ',')	en_US,zh_CN,ko

User Profile UI Menu

- User locale selection can also be found in the UI itself through the **User Profile UI Menu**.



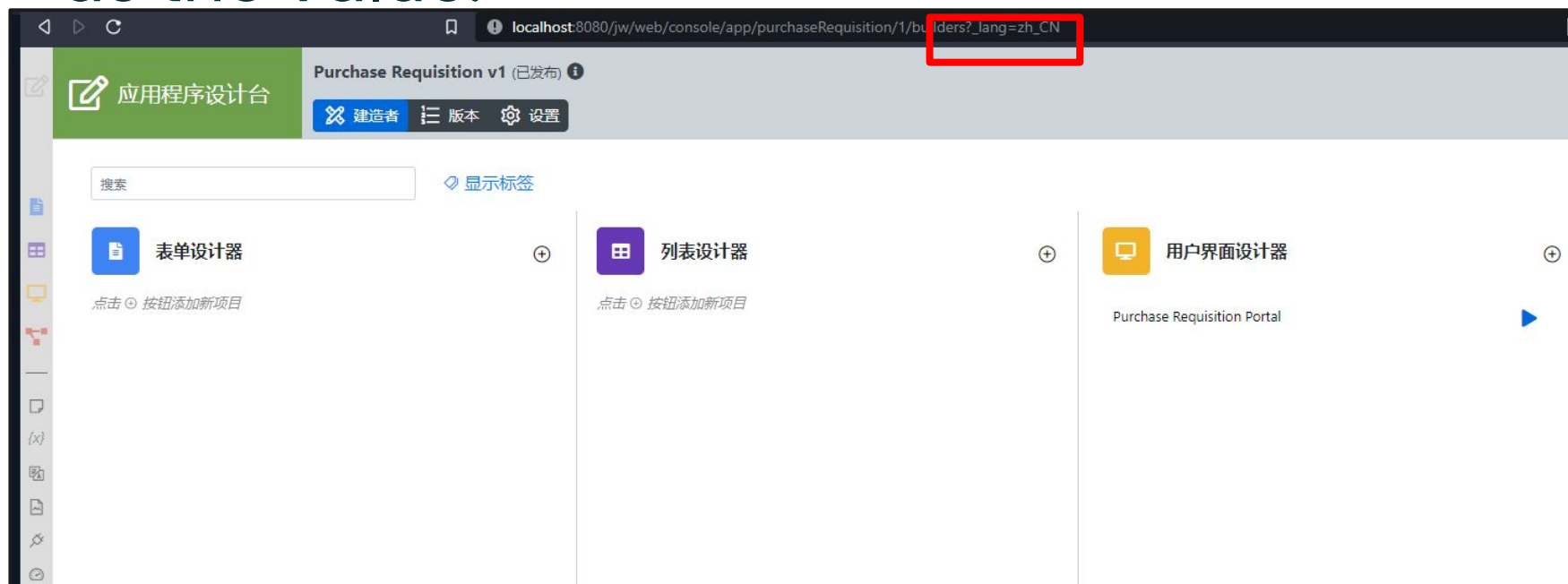
The screenshot displays the 'Profile' page with a 'User Details' section. The 'Locale' field is highlighted with a red box, and its dropdown menu is open, showing three options: 'en_US - English (United States)' (highlighted in blue), 'ko - Korean', and 'zh_CN - Chinese (China)'. The other fields in the 'User Details' section are: Username (admin), First Name (Admin), Last Name (Admin), Email (admin), and Time Zone ((GMT +08:00) Beijing, Hong Kong, Perth, Kuala Lumpur, Singapore, Taipei).

User Details	
Username	admin
First Name *	<input type="text" value="Admin"/>
Last Name	<input type="text" value="Admin"/>
Email	<input type="text" value="admin"/>
Time Zone	<input type="text" value="(GMT +08:00) Beijing, Hong Kong, Perth, Kuala Lumpur, Singapore, Taipei"/>
Locale	<div><div>en_US - English (United States)</div><div>en_US - English (United States)</div><div>ko - Korean</div><div>zh_CN - Chinese (China)</div></div>

[Change Password](#)

Note

- You can easily switch the locale by manipulating any URL served by Joget.
- Add “**_lang**” parameter with the locale code as the value.



Chapter 2 Review

- Enable User Locale Options.
- Experience the changes as End User.

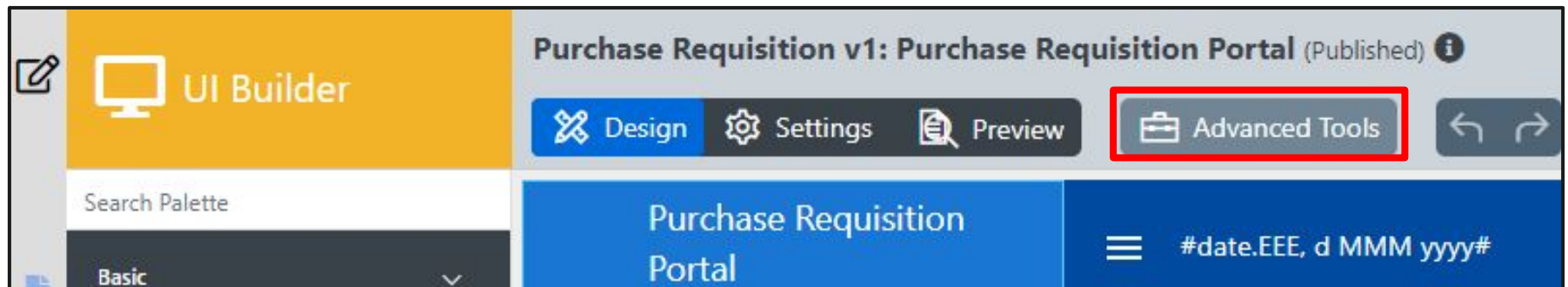


Chapter 3

Localizing App using Advanced Tools

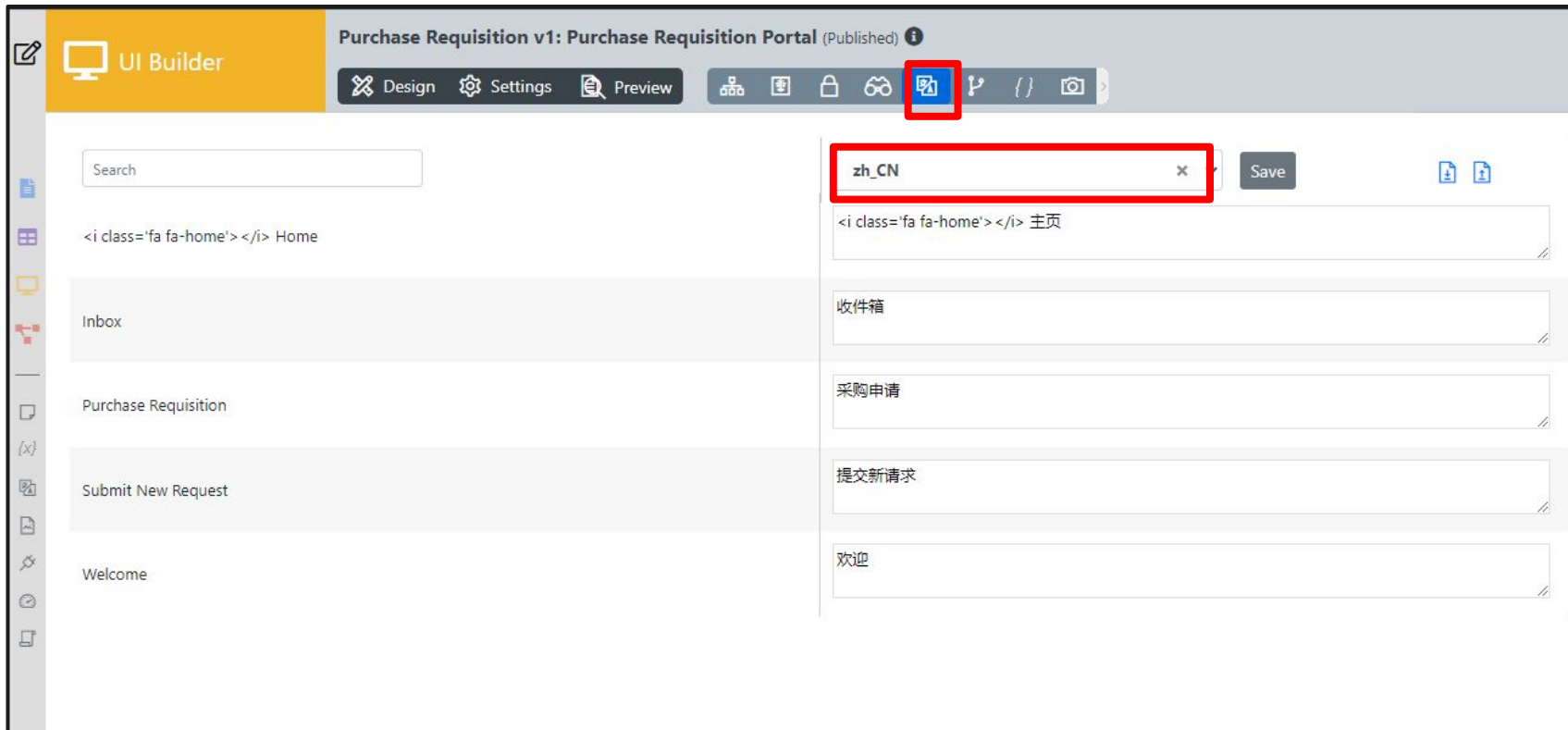
Accessing i18n Tab

- From your Form/List/UI Builder, click on **Advanced Tools** to access i18n tab.



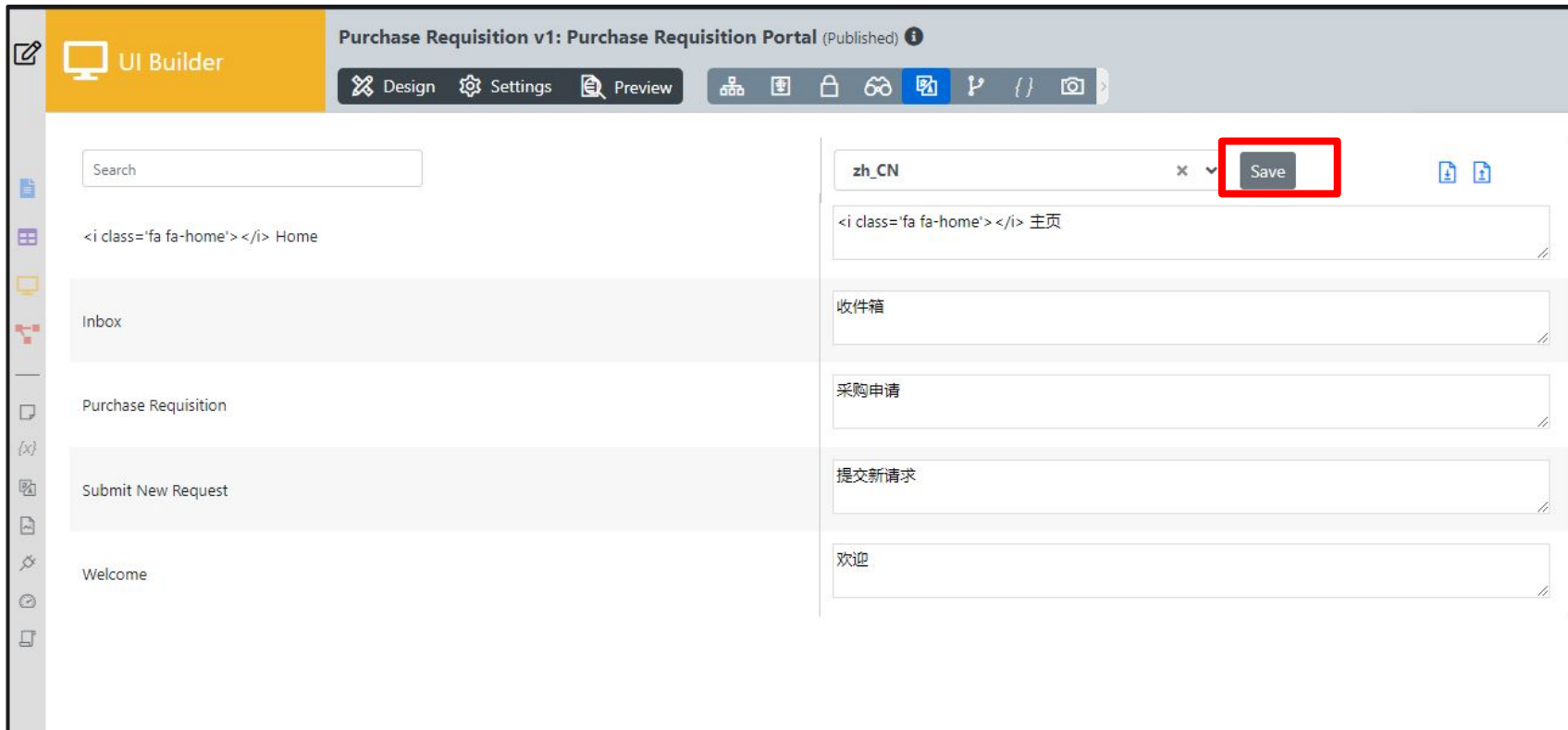
Accessing i18n Tab

- Click on the i18n tab, choose a language and start translating.



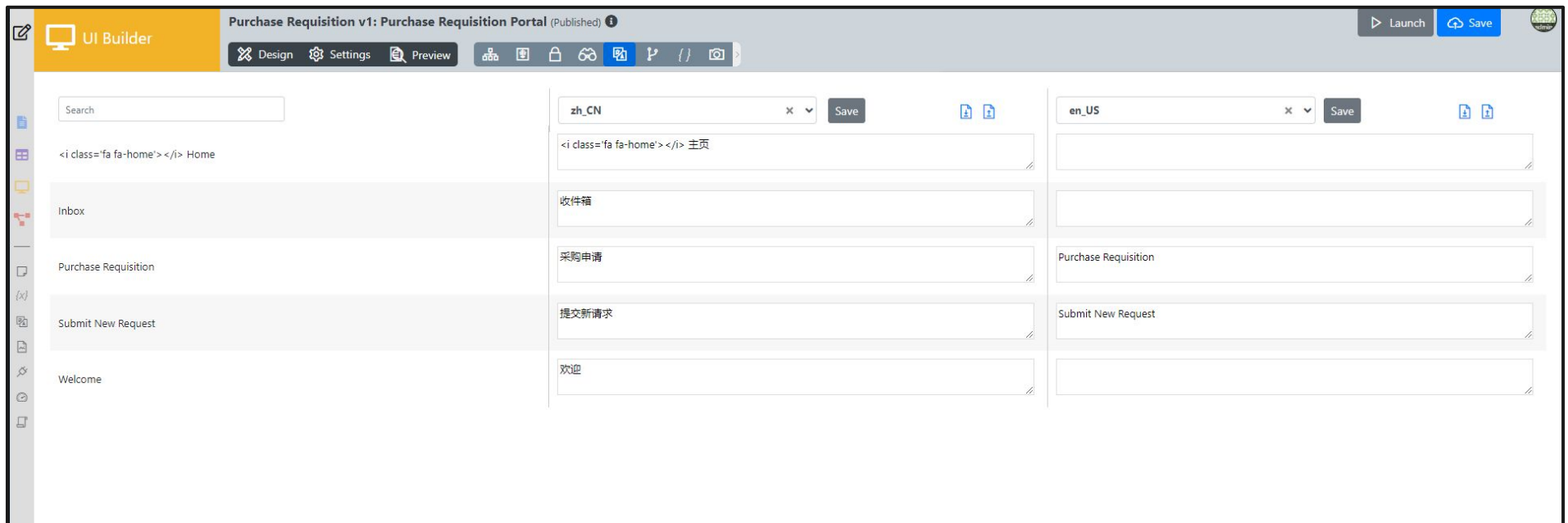
Accessing i18n Tab

- Remember to click **Save** when you are done.



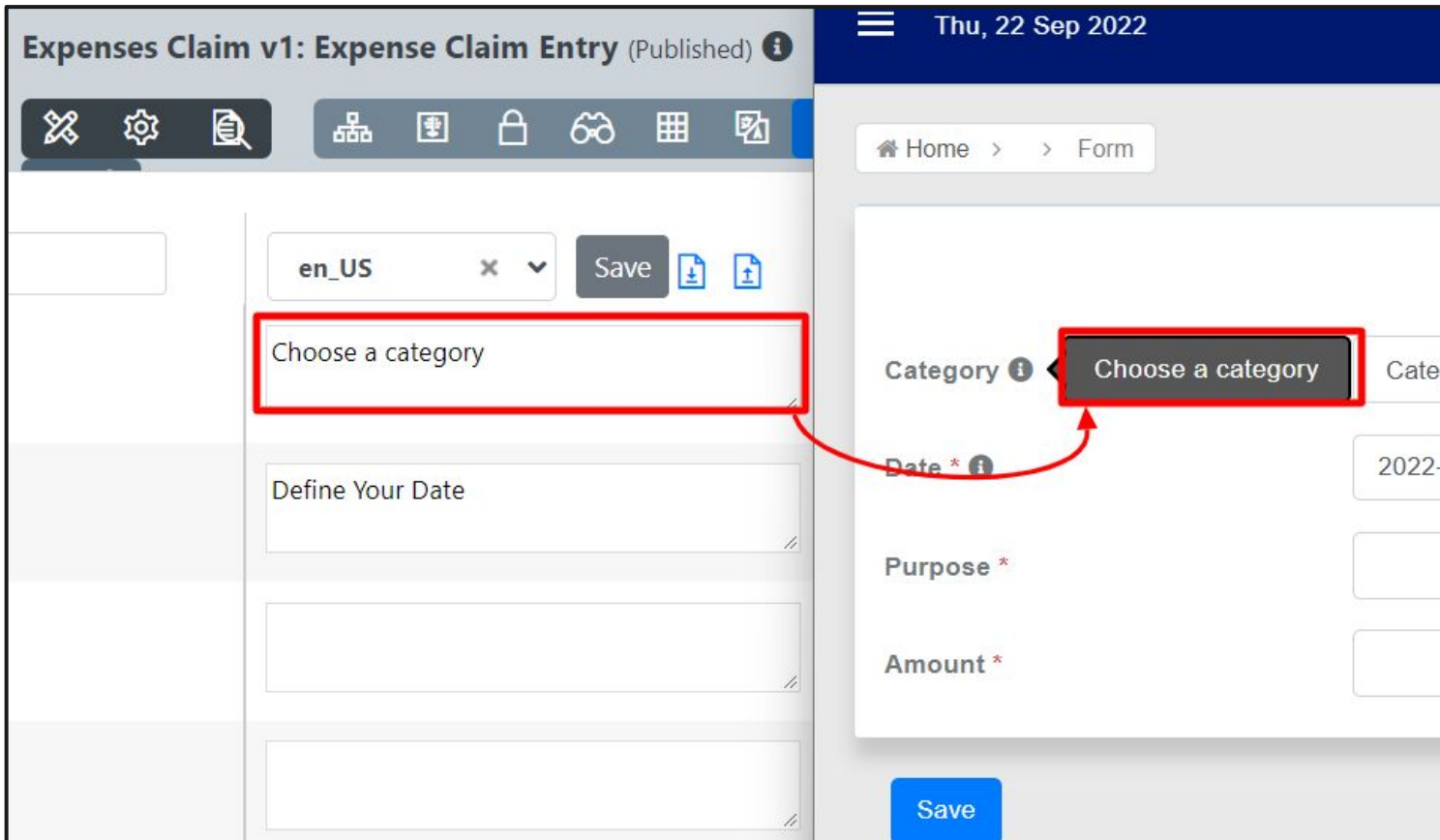
Accessing Tooltip Tab

- Click on the Tooltip tab, choose a language and start adding tooltips.



Tooltip i18n

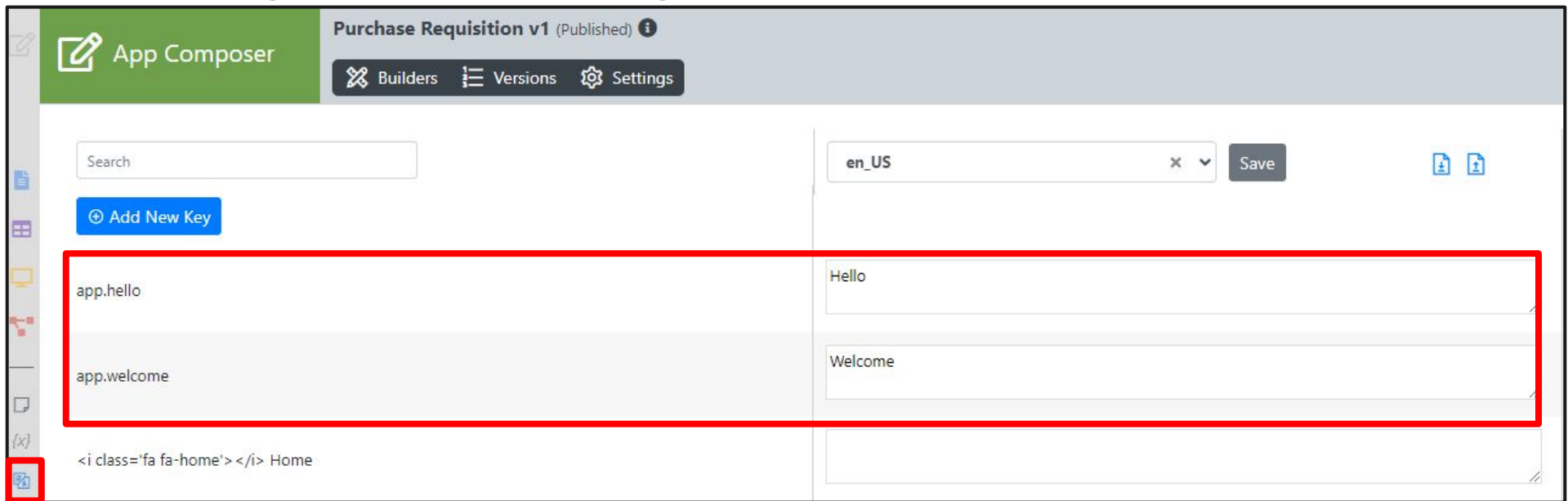
- Tooltip on each element supports internationalization too.



The screenshot displays the 'Expenses Claim v1: Expense Claim Entry' form in a web application. The form is titled 'Expenses Claim v1: Expense Claim Entry (Published)' and includes a date 'Thu, 22 Sep 2022'. The form contains several input fields and a 'Save' button. A red box highlights the 'Choose a category' dropdown menu, which is part of the 'Category' field. A red arrow points from this dropdown to a tooltip that also says 'Choose a category', demonstrating the tooltip's internationalization support. The form also includes fields for 'Date', 'Purpose', and 'Amount', each with a red asterisk indicating required fields. The 'Save' button is located at the bottom right of the form.

Viewing Translations

- All translations made will be saved into the app's message.
- You can verify translated messages by going to App Settings->App Messages.



Purchase Requisition v1 (Published) ⓘ

App Composer Builders Versions Settings

Search

+ Add New Key

en_US x Save

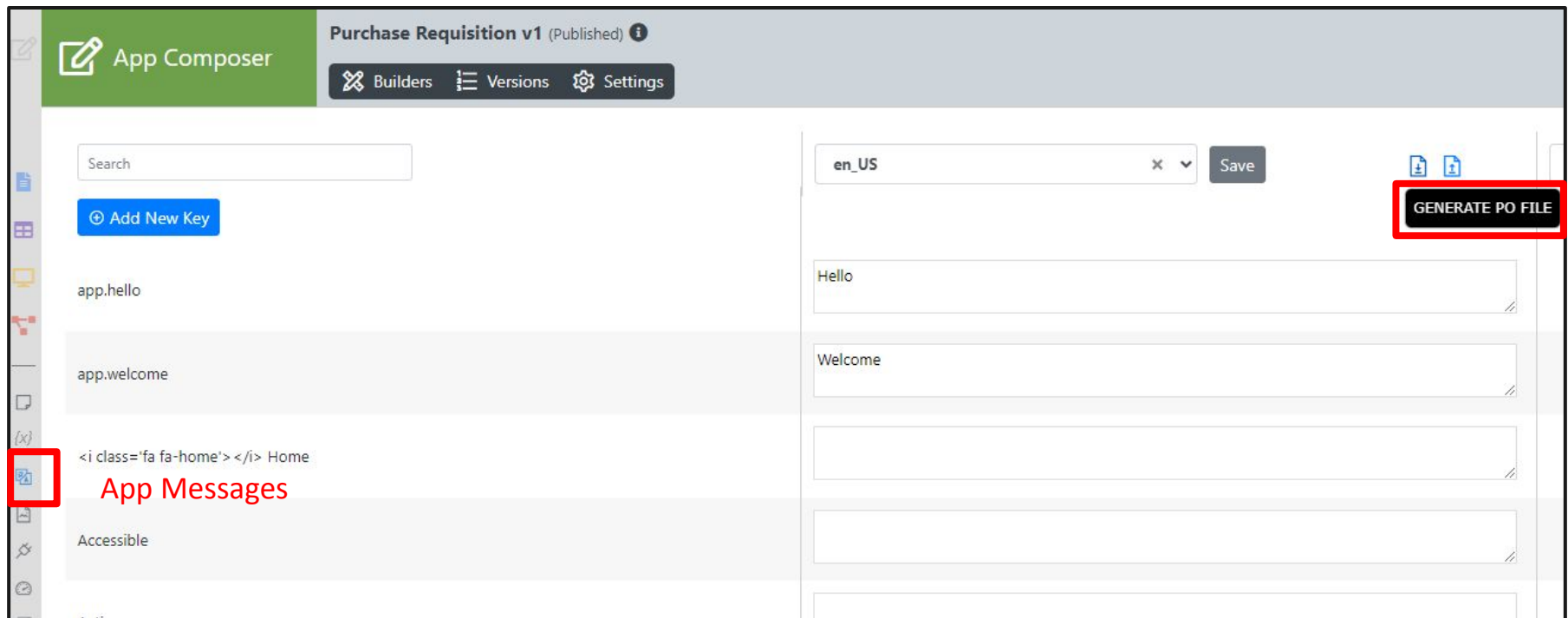
app.hello	Hello
app.welcome	Welcome

<i class='fa fa-home'> </i> Home

App Messages

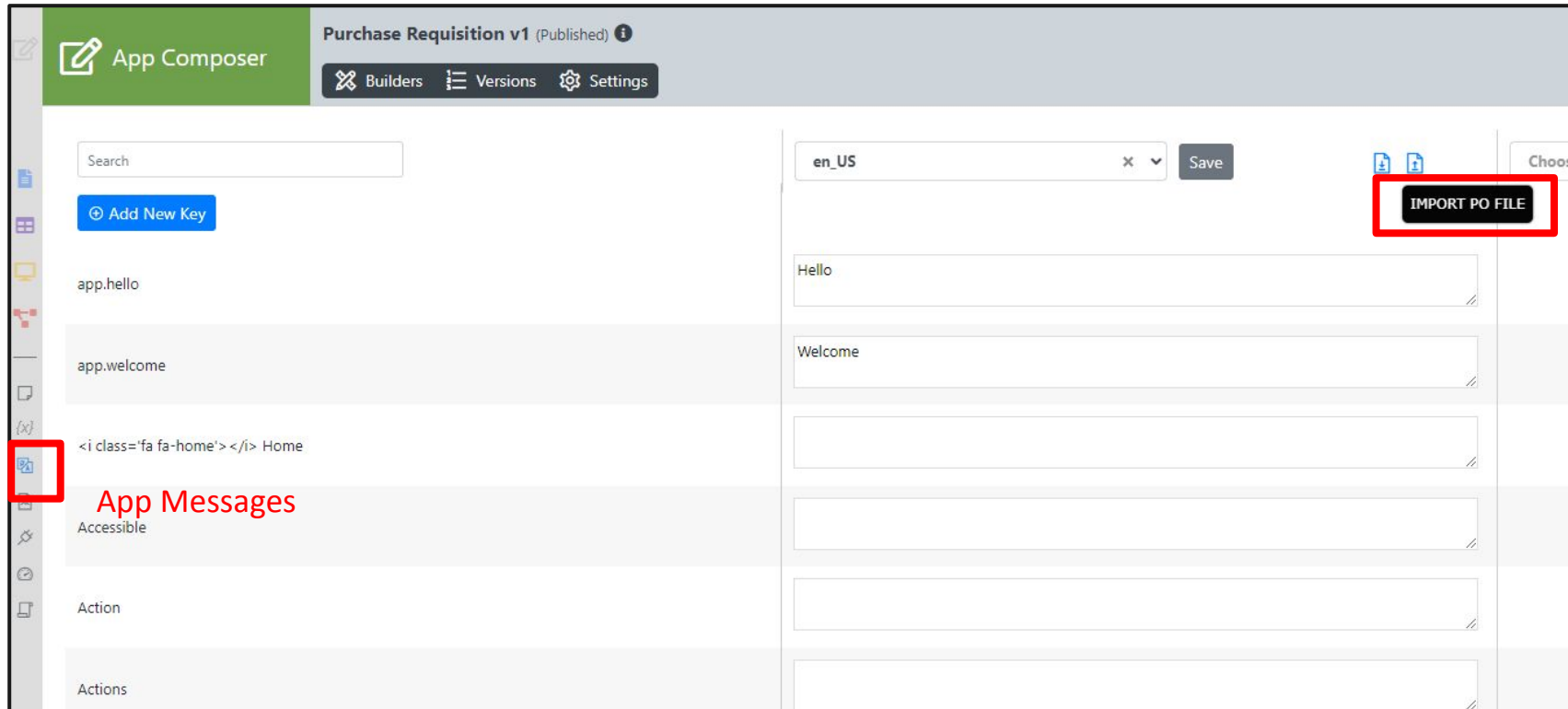
Generate PO File

- You can Generate PO File by going to App Settings->App Messages-> Generate PO File



Import PO File

- You can Import PO File by going to App Settings->App Messages-> Import PO File



Chapter 3 Review

- Internationalize/Localize your own Joget App using Advanced Tools.



Chapter 4

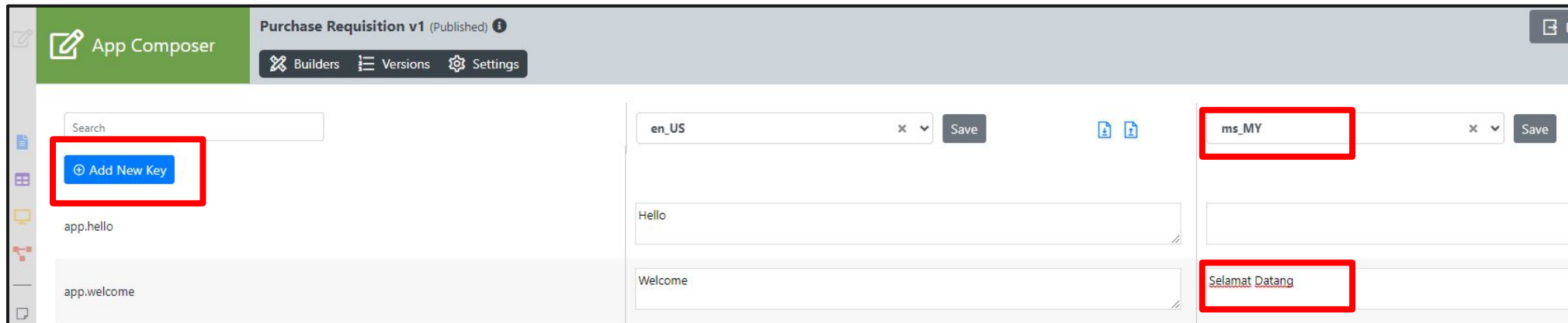
Localizing App using Hash Variable

Difference Between Using Advanced Tools and Hash Variable

- Advanced Tools covers **App-level** only.
- Hash Variables can cover BOTH **App** and **Platform-level**, not just limited to Form / List/ UI Builder.
- For example, email message can be localized too.

Defining Message Keys (App)

- Go to **App Composer** –> **App Messages**
- Define set of message keys as shown below.

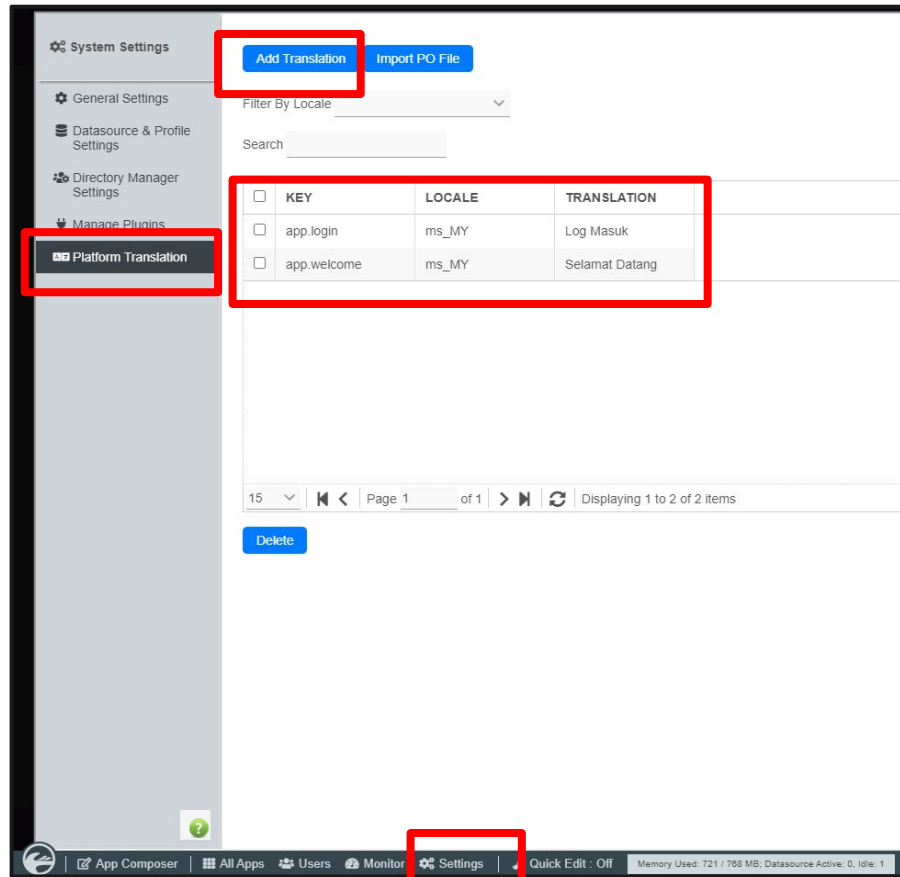


The screenshot displays the Joget App Composer interface for an application named "Purchase Requisition v1 (Published)". The interface is divided into several sections:

- Left Sidebar:** Contains a search bar and a list of message keys. The "Add New Key" button is highlighted with a red box. The list includes "app.hello" and "app.welcome".
- Top Bar:** Shows the application name "Purchase Requisition v1 (Published)" and navigation tabs for "Builders", "Versions", and "Settings".
- Main Content Area:** Displays message key definitions for two locales: "en_US" and "ms_MY".
 - en_US:** Shows a dropdown menu with "en_US" selected, a "Save" button, and two text input fields containing "Hello" and "Welcome".
 - ms_MY:** Shows a dropdown menu with "ms_MY" selected, a "Save" button, and two text input fields containing "Selamat Datang". The "ms_MY" dropdown and the "Selamat Datang" text are highlighted with red boxes.

Defining Message Keys (Platform)

- Go to **System Settings** –> **Platform Translation**
- Define set of message keys as shown below.



System Settings

Add Translation **Import PO File**

Filter By Locale ▼

Search

<input type="checkbox"/>	KEY	LOCALE	TRANSLATION
<input type="checkbox"/>	app.login	ms_MY	Log Masuk
<input type="checkbox"/>	app.welcome	ms_MY	Selamat Datang

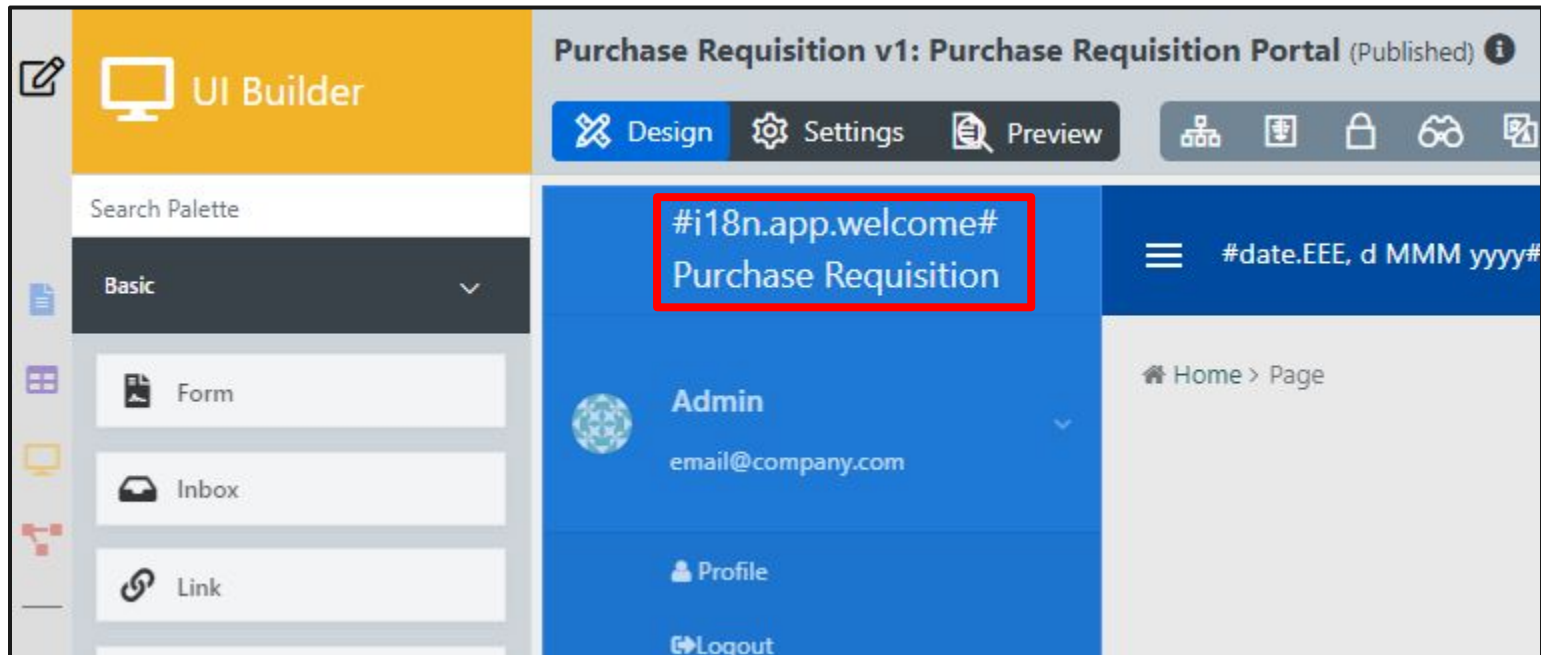
15 ▼ ⏪ ⏩ Page 1 of 1 ↺ ↻ Displaying 1 to 2 of 2 items

Delete

App Composer All Apps Users Monitor **Settings** Quick Edit : Off Memory Used: 721 / 768 MB; Datasource Active: 0; Idle: 1

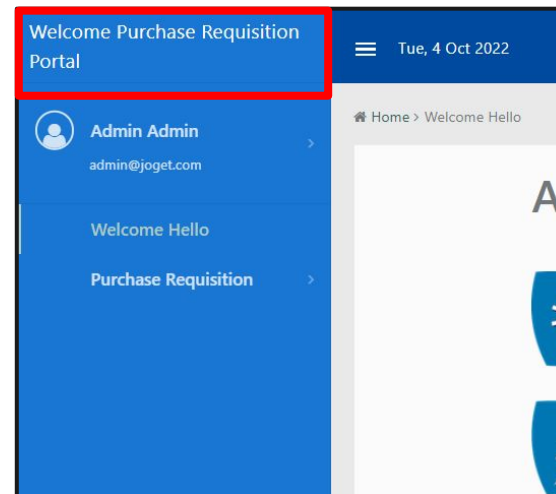
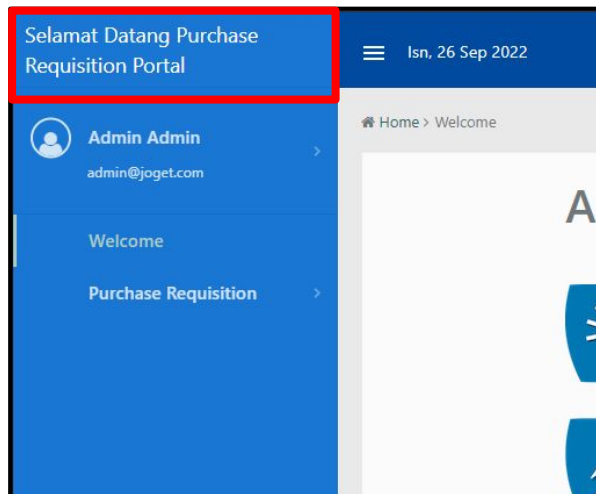
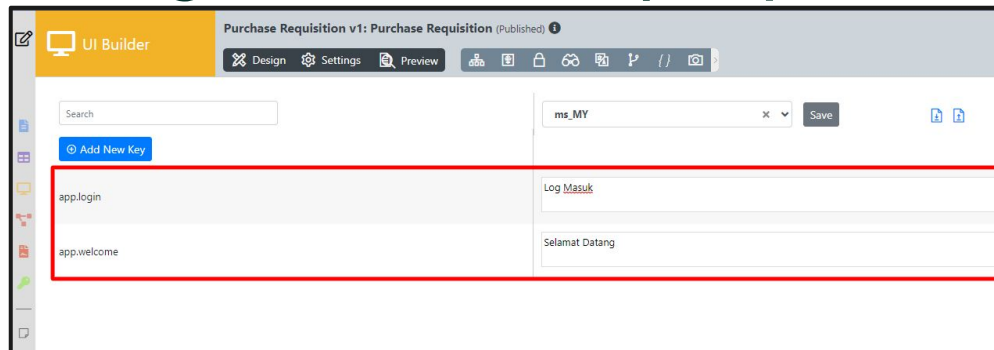
Utilizing Message Keys

- By using the **#i18n# hash variable**, we can utilize the key values set earlier.



Viewing the Message Keys in Action

- Depending on the choice of locale the user is in, the message will be displayed accordingly.



Mini Exercise

Let's say we want to change all the "Submit" button labels in all Form UI menus throughout the entire Joget platform. How can we do that?

- **general.method.label.save**

This key can be found in **console.properties**

Navigate to

<https://github.com/jogetworkflow/jw-community/find/8.0-SNAPSHOT>,

search for "console.properties".

Question

How do we change locale if the user is anonymous?

<https://dev.joget.org/community/display/DX8/Change+User+Locale+In+UI+Header>

Chapter 4 Review

- Internationalize/Localize your own Joget App using Hash Variable.
- Handle internationalization on app-level and platform-level.
- Contribute translations as a part of Joget community.

Module Review

- Localizing Joget
- User Locales
- Localizing App Using Advanced Tools
- Localizing App Using Hash Variable

Recommended Further Learning

- Learn more languages

Stay Connected with Joget

- www.joget.org
- community.joget.org
- twitter.com/jogetworkflow
- facebook.com/jogetworkflow
- youtube.com/jogetworkflow