

Custom Registration

Summary

Acme Movie Fanatics (AMF) is developing an online community using Liferay DXP for its members. The first phase of this project is to develop a custom registration feature.

Objective

The registration process needs to gather user information and store them into the database (lportal). Some of the information gathered will be displayed in the user's profile page (The display of user profiles will be a separate exercise.)

Requirements

Assumptions

- Registration is open to US users only.
- This is a new portlet, not replacing the existing Sign-Up functionality.

General Specifications for Registration

- Registration form must be a one-page process, meaning all sign-up elements must be present on the same page.
- The layout/page that the registration is in should have a friendly URL of /signup.
- Terms of Use acceptance must be done on the same registration page (client does not want a separate page for ToU acceptance.) ** Terms of Use does not need to be inlined, but can be linked on the registration interface.
- The registration should be encapsulated in one single portlet. (There's no limit on the number of modules, though it needs to make sense.)
- All collected data must reside in core Liferay database tables if applicable. Only fields not found in Liferay core database tables can be stored in custom table(s).
- Back-end validation (in the service layer) is mandatory. Front-end validation is optional.
- Error message to user must be specific, meaning that if email address is missing, the error message should say that, not *just a* generic message saying input is invalid without specifying what's invalid.
- Logged in user visiting a page with this portlet should not see the signup form, but a message saying that user is logged in already.

- Disable the portal's built-in Sign-Up feature.

Data Gathering for Registration

The following is a list of information AMF would like to gather during the registration process. The table below also includes whether a field is **required**, its **validation rule**, and the **input field name** to use.

Basic Info

Field	Req'd	Validation	Input Name
First Name	Yes	Alphanumeric, max 50 characters	first_name
Last Name	Yes	Alphanumeric, max 50 characters	last_name
Email Address	Yes	Alphanumeric, max 255 characters	email_address
Username	Yes	Alphanumeric, min 4 chars, max 16 chars, must be unique	username
Male	Yes		male
Birthday	Yes	must be at least 13 to register	b_month, b_day, b_year
Password	Yes	minimum 6 characters, must contain one uppercase, one number, one special character	password1
Confirm Password	Yes	must match Password field	password2

Phone

Field	Req'd	Validation	Input Name
Home Phone	No	must be 10 digits long	home_phone
Mobile Phone	No	must be 10 digits long	mobile_phone

Billing Address (US-Only)

Field	Req'd	Validation	Input Name
Address 1	Yes	Alphanumeric, max 255 characters	address
Address 2	No	Alphanumeric, max 255 characters	address2
City	Yes	Alphanumeric, max 255 characters	city
State	Yes	must use Liferay's State code	state
Zip Code	Yes	must be a 5 digit number	zip

Misc.

Field	Req'd	Validation	Input Name
Security Question	Yes	Must choose one of the following	security_question
		What is your mother's maiden name?	
		What is the make of your first car?	
		What is your high school mascot?	
		Who is your favorite actor?	

Field	Req'd	Validation	Input Name
Answer	Yes	Alphanumeric, max 255 characters	security_answer
Terms of Use	Yes	Must be checked	accepted_tou

The **Terms of Use** checkbox should contain the following text as its label:

I have read, understand, and agree with the Terms of Use governing my access to and use of the Acme Movie Fanatics web site.

UI

- All input fields should be grouped in their respective sections.
- Use as much AUI taglibs as possible.

Non-Functional Requirements

- Module should follow naming conventions found in training material and Liferay code base.
- Portlet for the sign-up must be named amf-registration.
- Module must work in Liferay DXP (preferably the latest SP).

Components and Features Used

Service Builder, Portlet, Accessing Liferay Core Services, Validation, Portlet End-to-end, AUI, Taglib.