

Registration Search

Summary

Acme Movie Fanatics (AMF) is developing an online community using Liferay Portal for its members. The third phase of this project is to provide services to event coordinators.

Objective

AMF would like to give some of their third-party event coordinators the ability to find AMF members in a specific area. This would help them reach movie enthusiasts that can promote the health and participation of the AMF ecosystem.

Requirements

General Specification

- Third-party event coordinators (TEC) are not AMF staff members and should not have administrative access.
- Third-party event coordinators will be given the proper role which will allow them to view and use the features described in this project.
- Permission is needed to access this search feature. TEC's role will be given this permission to perform the search.
- The TEC will be able to search users in a specific region by providing a 5-digit postal code.
- The feature should only search members' primary addresses.
- The list of search results (list of users) should display the following:
 - User's First Name and Last Initial
 - User's Screen Name
 - User's Email Address
- The search results should have a header that includes the 5-digit postal code like the following: Search Results for 90210.
- The search results should be paginated with the default of 5 users per page.

Technical Requirement

- The input text field for entering the 5-digit postal code should be its own portlet.

- The display of search results should be its own (separate from the input) portlet.
- Use the 30/70 layout on the page.
- Place the search input portlet on the 30 column.
 - The search portlet should retain the postal code.
 - Input should be validated to be numeric and contains 5 digits.
 - Search should be done on database only, not search index.
- Place the search results portlet on the 70 column.
 - If there are no results to display, show the following message:

No results found. Please try a different search criteria.
- The portlets should employ the Inter-Portlet Communication feature of the portal.

Wireframe

Below is a mock-up of the two portlets. .

UI

- Refer to the wireframe for general placement of the different UI elements.
- Use as much AUI and Liferay taglibs as possible.
- Use Liferay's pagination feature (which looks a bit different from wireframe).

Non-Functional Requirements

- Module should following naming conventions found in training material and Liferay code base.
- Portlets must be named amf-search and amf-search-results.
- Module must work in Liferay DXP (preferably the latest SP).

Components and Features Used

Service Builder, Portlet, Accessing Liferay Core Services, Validation, Inter Portlet Communication (IPC), AUI, Search Container, Custom Finder, SQL, Pagination.