## About uPortal

uPortal is the leading open source enterprise portal framework built by and for the higher education community.  uPortal continues to evolve through contributions from its global community and is supported by resources, grants, donations, and memberships fees from academic institutions, commercial affiliates, and non-profit foundations.

uPortal is built on open standards-based technologies such as Java and XML, and enables easy, standards-based integration with authentication and security infrastructures, single sign-on secure access, campus applications, web-based content, and end user customization.  uPortal can easily integrate with other enterprise systems and can be customized for specific local needs. The powerful layout management system enables a dynamic, personal view for users with multiple roles. For information on the many portlets available for uPortal, see **[Portlets](http://www.jasig.org/portlets)**. The user experience is further enhanced and made accessible through use of the Fluid skinning system. uPortal is one of the most widely deployed open source enterprise portal frameworks, having been adopted by hundreds of higher education institutions, K-12 schools and research communities worldwide.

uPortal is mobile-ready for a wide variety of mobile devices! A mobile theme is included for out-of-the box compatibility with mobile browsers. Native mobile apps can easily be developed using the companion uMobile framework. This allows for easy deployment of native iPhone or Android campus apps that can include authentication, personalization and user customization.

## Portlet Development and Deployment

uPortal enable developers to integrate as many portlets into it as possible. That provides flexibility as well as efficiency in web-based application development.

Successful enterprise portlets deliver compelling integrations with campus services, combing diverse IT resources to create a unified, personalized user experience. uPortal delivers content through pre-configured portlet types and optional portlets.

Portlets are standards compliant, and portable to other environments.

## Architecture of OOPMS's Portlets

In OOPMS, core features divide into modules. Each module is developed as a portlet separately. In deployment phase, those portlets will be deployed onto one uPortal with flexible size, places and access from user.

## References

<http://www.jasig.org/>