**Z513 – Information Architecture for the Web: Requirement Analysis**

*Pallavi Murthy*

*MIS - Indiana University Bloomington*

[*murthyp@indiana.edu*](mailto:murthyp@indiana.edu)

**The Organization and its Context**

IUScholarWorks is a service of the IU Libraries of Indiana University Bloomington (IU Bloomington) which is a public research university located in Bloomington, Indiana, in the United States, with additional technology support from University Information Technology Services to make the work of IU scholars freely available and to ensure that these resources are preserved and organized for the future. IUScholarWorks website provides a platform for scholars, students and faculty to deposit their scholarly works, publish an online journal and increase the availability of research data. The objectives of this website are:

* Increase the number of IU faculty and student who deposit their research data.
* Increase the number of items deposited.
* Increase the visibility and usage of IUScholarWorks.
* Increase the number of readership for online journal
* Provide easy navigation for IU faculty and students to deposit their research data and for public users to access the journals and articles.

Indiana University has a combined student body of more than 110,000 students, including approximately 43,000 students enrolled at the [Indiana University Bloomington](http://en.wikipedia.org/wiki/Indiana_University_Bloomington) campus and approximately 31,000 students enrolled at the [Indiana University – Purdue University Indianapolis](http://en.wikipedia.org/wiki/Indiana_University_%E2%80%93_Purdue_University_Indianapolis) (IUPUI) campus.University wide counts sums up to 8,733 Academic staff, 110,436 students and 21,260 postgraduates. In addition to its two core campuses, Indiana University comprises six smaller campuses and three centers/extensions spread throughout [Indiana](http://en.wikipedia.org/wiki/Indiana).

IU faculty, students and scholars from all over the above mentioned campuses access IUScholarWorks- a  suite of services from the Indiana University Libraries and the Digital Library Program that includes an institutional repository, journal publishing, and data management options. The IUScholarWorks mission is to expand the dissemination and ensure long-term preservation of IU scholarship.

The current website is not visually pleasing and does not allow for easy access. It is important to note the information Architecture of this website in order to provide easy navigation and search ability of contents with user experience perspective. The functional requirements for IUScholarWorks website are:

* Enable easy upload of the materials
* Raise awareness and educate users about(data) repository
* Easy to find tabs such as create journal, find journal, deposit data and help.
* Find description about every action instead of just mentioning contact us.
* Highlight the current events in scholarly communication
* Provide a discussion forum to bring all scholars together.
* Bring in new widgets for the articles from scholars.
* Search engine Optimization
* Create FAQ’s with different use cases.
* Give one line message or pop-up when re- directing users from main page to the selected campus page
* Show small tutorial on the page for creating journals and depositing research works.

Create direct links like create |deposit|find|help

* Reduce redundancy of data

**Users**

1) Depositor (Publisher)

* Journal Editor
* New Journal Startup
* Data Depositor
* Potential Author/Researcher who would like to make their research available
* Both published or unpublished

2) Inquirer (person coming to the site with questions)

* Specific questions (know about us, but want to know more) specific to deposit publish
* Services
* Questions about how to use the information
* Info, OA, Copyright, Author Rights
* You want to publish a journal, what do I need
* About us, staff members, about the Scholarworks, scholarly communications
* Limitations of use of the materials

3) Reader Viewer Extractor (Would like to do something with the information found in the Journals)

* How do I use the materials
* Why use it
* Rights of use

**Personas**

**User 1 (Depositor)**

|  |  |  |
| --- | --- | --- |
| Jason Miller  1st year PhD  SoIC | Background   * Studies at IU * Has peer-reviewed articles or other submissions | Goals   * Deposition * Browsing * Uploading |
| Preferences   * Easy uploading * Tutorial to create|deposit journal articles * FAQ page * Discussion Forums | Does not prefer   * Contact us link for simple doubts * Plain and boring website |

**User 2 (Inquirer)**

|  |  |  |
| --- | --- | --- |
| Mike James  UX Team  IUSW Dept | Background   * Works at IU * Interested in know about IUSW | Goals   * Specific questions (know about us, but want to know more) specific to deposit publish * Questions about how to use the information |
| Preferences   * Easy accessibility to tutorials * FAQ page * Discussion Forums | Does not prefer   * Contact us link for simple doubts * Plain and boring website * Easy navigation through information |

**User 3 (Reader)**

|  |  |  |
| --- | --- | --- |
| James Mathew  Media Communication Professor  Informatics | Background   * Teaches at IU * Wants some information found to be used in his teachings | Goals   * Reading * Viewing * Extracting |
| Preferences   * How do I use the materials * Why use it * Rights of use | Does not prefer   * Contact us link for simple doubts * Too much of text |

\*\* *All the images used in this report is fetched from google images where the persons are models for blazer lining and other commercial for public use.*