



Company: University of Wisconsin - Madison

Location: Madison, WI

Url: <http://scholarships.wisc.edu/>

Industry: Higher Education

Oracle Products & Services:

- Oracle JDeveloper / Oracle ADF 11g
- ADF Faces Rich Client
- ADF Task Flows
- ADF Business Components
- Oracle WebLogic Server 11g
- PeopleSoft Web Services
- Oracle Database 10g

Related Software

- Spring 3.0
- Spring Batch
- JasperReports
- Velocity
- Aspose Total for JAVA
- Perceptive Software ImageNow

Project Scale:

- Campus-wide

Metrics:

- 100-300 concurrent users
- Available nearly 24/7
- 28,960 Undergraduates - Fall, 2009

UW-MADISON

“With no staff expertise in Oracle ADF or JDeveloper, we had qualms when we settled on this set of tools for developing our Scholarship system. We did hit a few bumps in the road, but our overall experience with the Oracle products has been very positive. Our customers were impressed early on with the professional look and feel of the user interface using ADF Faces. Our technical team was impressed with the robustness of the ADF Framework and JDeveloper. The drag-and-drop development environment minimized the amount of coding our programmers needed to do for the user interface, allowing them to put most of their effort on implementing the business needs of our customers“. Karen Gunderson, Technical Project Lead, CSA Project, UW-Madison

Executive Summary

The University of Wisconsin-Madison had never had a central scholarship system which would allow students to apply for all applicable scholarships in one place. Students, especially new students, did not know where to look for scholarship opportunities. Schools, Colleges, and even Departments had their own scholarship systems, many of them still paper-based. Because students had difficulty identifying and applying for applicable scholarships, Scholarship Officers sometimes could not find qualified applicants for scholarship awards.

With the Common Scholarship Application (CSA), Scholarship Officers can specify the student attributes that they are looking for, students can indicate an interest in applying for scholarships and CSA will match those students with the scholarships they are eligible to apply for, giving students a clear roadmap of how to apply for scholarships at UW-Madison and increasing the pool of qualified candidates for each scholarship.

Organization

The University of Wisconsin-Madison is a public, 4-year, land grant institution with over 42,000 students. The university includes 7 undergraduate schools and colleges and dozens of departments within those schools and colleges.

The Business Issue

Scholarship Officers at UW-Madison saw the need to provide a central place for students to apply for scholarships, helping students more easily find the necessary funds to attend UW-Madison and to ensure that all scholarship dollars were being awarded to qualified students.

Key Challenges

- Determining which toolset to adopt for building CSA. Top contenders were Oracle ADF and Spring.
- Training existing staff, some with little to no Java experience, to become productive with the ADF Framework and JDeveloper. With no prior ADF experience UW-Madison development needed to develop standards from

- 550+ Scholarship Definitions
- 8,500 Completed Student Scholarship Applications each year
- 50+ Administrative users
- 16,000+ Student Visitors
- 3,500+ Recommenders

- scratch and rely on their own problem-solving skills.
- With a short development cycle before go-live, determining the priority of features to implement and getting stakeholder buy-in was a challenge.
- UW-Madison development had about 6 months from the time development started until the go-live date.
- Accessing student data in the campus PeopleSoft system in order to match students to scholarships. UW-Madison development was looking at a web service solution on the PeopleSoft system, but no one on campus had experience developing a web service on PeopleSoft.
- Integrating the campus identity and authentication system with the CSA application.
- The end users of the application vary from on-campus staff and students to high school teachers and parents. The application had to support a wide range of browsers and user skill levels.

Solution

Once UW-Madison IT decided on Oracle ADF, they began to focus on the implementation strategies with the toolset.

- UW-Madison IT developed a web service on the PeopleSoft system to access student data and used JDeveloper to build a proxy client for use within their ADF application.
- To address the training staff development issue, UW-Madison IT relied on the Fusion Developer's Guide, JDeveloper/ADF forums, and Oracle support, but mostly on their own problem-solving ability to overcome challenges.
- To integrate CSA into the existing identity management and authentication system, UW-Madison IT implemented identity assertion and login modules for WebLogic Server.
- UW-Madison IT used Trinidad JSF components for the web site that required compatibility with older browsers; they used ADF Rich Faces for the student and on-campus staff users, which required the richest UI experience, and went with a JSP solution for a public-facing catalog of scholarship information.
- To tackle the short development cycle and prioritization, UW-Madison IT held regular meetings with the stakeholders to determine which use cases to implement and to what extent to implement them in order to have a core implementation.
- UW-Madison IT worked closely with a core group of Scholarship Officers to define common needs for a central scholarship system.
- UW-Madison IT settled on Oracle ADF as it provided a way to develop a robust user application within a very short timeframe.

Business Value

- The most visible affect of this new application is in the number of applications we received – over 1200 for our College of Letters and Science Incoming Freshman Application! This is nearly three times the number we have received previously.
- Students and parents find it easier to locate and apply for scholarships
- One of our undergraduate schools has been able to use CSA as part of their recruitment effort – allowing incoming students to apply for scholarships and be offered scholarships before they are admitted to UW-Madison.
- As other undergraduate schools, colleges and departments see the success of CSA, they are making plans to move their scholarship processes to CSA.

Credits:

Todd Hill
Ed O'Connor-Giles

Application View

Scholarship ID	Original Name	Updated By	Updated On	Operations
2691	Random Money to Give Away	jlcht	7/9/2010	Edit Delete
2688	Small Scholarship	amarcks	7/8/2010	Edit Delete
2687	Education,LS Scholarship	amarcks	7/8/2010	Edit Delete
2686	Alyssa's Scholarship for Outstanding Students	amarcks	7/8/2010	Edit Delete
2665	Temp	jlcht	6/29/2010	Edit Delete
2651	ws test 2 mark	jlcht	6/28/2010	Edit Delete

Details | Criteria | Yes/No Questions | Aid Year | PWS Listing

[Public] = Appears on Public Scholarship Website

Scholarship ID 2688
 Original Name: Small Scholarship
 Administered By Organization: College of Letters and Science
 Duration
 Funding Source
 Recipient: Undergraduate
 Scholarship Class: Scholarship
 Is Need Based [Public]: No
 Send Award Letter to Donor: No
 Send Thankyou Letter To Donor: No
 Limited to S/C: Yes

Scholarship Administration - Awarding

Home | Award By AppBulk Actions | Overview | College of Letters and Science | Log out

Finalists for Scholarships by Awarding

Aid Year: 2013

View | Apply Filter | Reset

Award Id	Scholarship	Award Year	Accepted Amt.	Offered Amt.	# Terms	Term Awards	Note	Status
57	Virginia E. Tenuta Scholarship	2013	\$0.00	\$0.00	6	View	View Cancelled	
83	Carolyn B. Knapp and Charl...	2013	\$0.00	\$750.00	2	View	View Plan to Offer	
75	Charles Carman Wurth Scho...	2013	\$1,699.00	\$0.00	2	View	View Accepted	

Joey test4 joey4's Awards

View | New Award Action

Award Actions

View | Virginia E. Tenuta Scholarship

Type	ActionDate	Updated by	Note
Cancel the Award	05/24/2010 10:38...	arowcavage	
Override Award St...	03/17/2010 13:11...	arowcavage	revoked
Override Award St...	03/17/2010 13:10...	arowcavage	scholarship revoked
Send Award Notifi...	03/17/2010 09:08...	arowcavage	

Exit Awarding

Scholarships@UW-Madison

Home | Log out | My Profile

Test Test Welcome

Welcome to Scholarships@UW-Madison

Scholarships@UW-Madison has been built to simplify your campus scholarship search and application process. This website will guide you through the following steps:

1. Verify your information.
2. Answer yes/no questions that will aid in matching you with scholarships.
3. View a list of eligible scholarships for which you may apply.
4. Apply for the scholarships you select.
5. Submit your application for consideration.


Click "Start Scholarship Search" button to begin.

[Start Scholarship Search!](#)

At this time, the following schools and Colleges are using Scholarships@UW-Madison:
 If you do not have a major in one of these Schools or Colleges, you may not see any scholarship results.
 If you'd like information about Scholarships from a School or College not listed above, please visit <http://scholarships.wisc.edu>.
 If you need help using Scholarships@UW-Madison, please [click here](#) to access the KnowledgeBase.

[Return to Administrative Application](#)

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Scholarships @ UW-Madison

Student Name **Application Status**

Welcome to Scholarships@UW-Madison

The table below displays the status of your applications.


To search for additional scholarships, click the "Start Scholarship Search!" button. To resume work on an application, click its name.

Scholarship Application(s)	Action(s)		Deadline Date	Recommendations Requests Sent	Recommendations Received	Resume Status	Applica Stat
Curriculum & Instruction Undergraduate Scholarship Application	Continue Application	Cancel Application	4/15/2010	0	0 of 2	N/A	In Prog
Psychology Department: Research Applications	Continue Application	Cancel Application	4/7/2010	1	0 of 1	Submitted	Submit

At this time, the following schools and Colleges are using Scholarships@UW-Madison:
 School of Education
 College of Engineering
 Karen's School
 Joey's Department

If you do not have a major in one of these Schools or Colleges, you may not see any scholarship results.
 If you'd like information about Scholarships from a School or College not listed above, please visit <http://scholarships.wisc.edu>.
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Scholarships @ UW-Madison

Student Name **Start Page**

joey524app



Welcome to the Scholarship Application Process. In the following pages, you will:

1. Answer application question(s)
2. Request recommendation(s)
3. Update your Profile
4. Upload a Resume
5. Confirm your Application

Please Note: This Application will close on 05-07-2106.

The blue boxes above allow you to navigate through the application. Your work is saved automatically as you navigate from page to page. You may also click the "HOME" link in the upper right corner of each page to save your work at any time.

