

PDSA.com

Solutions for the Real World

UCLA Extension
ECARS

UCLA Extension

One of the nation’s largest and most comprehensive continuing higher education providers, UCLA Extension has served students in Southern California since 1917. Each year UCLA Extension offers over 4,500 courses and programs, linking 65,000 adults of diverse backgrounds to enhanced career, academic, and personal growth opportunities through lifelong learning.

ECARS Software

UCLA extension’s legacy enrollment system was operating on equipment over 25 years old. So, not only was the equipment and software old – requiring continued costly maintenance – the legacy system could not adapt to new and ever-changing business rules required to meet the university’s business goals.

UCLA Extension User: Joe Admin

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Enrollment Process | Student Search | Project Search | Customer Search | Promotions | Discounts | Term Placement

Enrollment Process

1: Projects | 2: Student | 3: Payment | 4: Confirmation

Enrollment Summary

Student ID: 956825 | Enrollment Session #: 317541 | Enrollment Status: Pending
 Student Name: Doe, Jane | Selected Projects: 239-591 | Enrollment Mode: Telephone

Add a Project

Project # / Reg #: | Add Project | View | Search Projects
 Parking Permit Type: [None Selected] | Hold For Pickup | Add Parking

Action	Project #	Details	Fee	Credit Option
	239-591	Z3097 - Strategic Risk Management: Processes, Tools, Analyses MGMNT X 408.811 Class Open CEU: 0.00 Units: 4.00 Online M 12:00 AM-12:00 AM 11 mtgs 01/09/2014 - 03/17/2014 Contact: Aragon, Enrique (310) 794-5470 Final Refund Date: 01/10/2014 Early Fee: Enroll by 12/6/2013 for \$599.00	\$625.00	Credit/Letter Grade

1 Record

PDSA, Inc. was engaged to provide design and architecture services to completely re-engineer the enrollment and accounts receivable processes. PDSA applied its innovative Application Lifecycle Management process to create a high quality design document

including a Use Case specification, technical and business rule specification, report design specification, public web site design, back office web site design, data model, security design specification, test plan, test cases, and .NET prototypes. The entire deliverable suite was used to define the subsequent RFP for the development and implementation phase of the migration project.

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Enrollment Process Student Search Project Search Customer Search Promotions Discounts Term Placement

Student Master (956825)

Student Details		
Last Name: Doe	Date of Birth: <input type="text"/>	Username: <input type="text"/>
First Name: Jane	Badge Display Name: <input type="text"/>	Daytime Phone: (310) 375-4976
Middle Initial: <input type="text"/>	Social Security: <input type="text"/>	Agent: [None Selected]
Gender: Unknown	UC ID: <input type="text"/>	Agent Contact: [None Selected]
Email Address: no-reply@pdsa.com		
Mailing Address		Business Address
Address 1: 1234 Main Street	Address 1: <input type="text"/>	Job Title: <input type="text"/>
Address 2: <input type="text"/>	Address 2: <input type="text"/>	Company Name: <input type="text"/>
Country: United States	Country: United States	Phone: <input type="text"/>
Zip: 90274	Zip: <input type="text"/>	
City: Palos Verdes Es	City: <input type="text"/>	
State: CA	State: <input type="text"/>	
Int'l City/Province: <input type="text"/>	Int'l City/Province: <input type="text"/>	
Postal Code: <input type="text"/>	Postal Code: <input type="text"/>	
Status: Invalid	Status: Valid	
Status Date: <input type="text"/>	Status Date: <input type="text"/>	
Student Attributes		
Ethnicity: [Not Recorded]	Senior Citizen: Not Applicable	Remarks: <input type="text"/>
Lifelong Learning: Not Applicable	Promotion Option: Allow All	
Educational Level: [None Selected]	Financial Hold Type: [None Selected]	
Privacy Level: [None Selected]	Financial Hold Reference: <input type="text"/>	
Force 1098T: <input type="checkbox"/>		
Save		Cancel

UCLA had the forethought and strategic thinking to first develop the necessary design and architecture documents and plans to ensure that the undertaking of a new enrollment system would be a success. The subsequent 'build and test' phase was completed on-time and on-budget. For a system of this magnitude, having a complete and thorough 'blueprint' was essential to meeting and exceeding UCLA's business goals.

Session Search

Credit Card # <input type="text"/> Student L Name <input type="text"/> Project # <input type="text"/> Receipt # <input type="text"/>		Auth # <input type="text"/> Student F Name <input type="text"/> Login ID <input type="text"/>	From <input type="text" value="09/01/2013"/> Student ID <input type="text"/> Session Type <input type="text" value="Refund"/>	To <input type="text"/> Session # <input type="text"/> Status <input type="text" value="[All]"/>
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11 Session(s) found — Show: 10

Action	Session #	Type	Details	Date	Amount	Status
	1056262	Refund	Student # 1719463 Wolfson, Ryan 229-758: 105 BUSINESS ENGLISH ELECTIVE Refund Explanation: Routine Drop Reason for Rebate: Senior Citizen Payee Name: Wolfson, Ryan Address: 5133 Klondike Ave Lakewood CA 90712 US Refund type: Partial Refund Refund Mode: Recharged Account	12/03/2013	\$111.00	Not Posted
	1056260	Refund	Student # 1000799 Yosuiico, Aileen 241-528: Programming Microsoft SQL Server (Using MS SQL Server 2012) Payee Name: Sacramento City Unified School District Address: 5735 47th Ave. Sacramento CA 95824 US Refund type: Full Refund Refund Mode: Student Account	11/25/2013	\$1,075.00	Not Posted

Business Value

By redeveloping this system as a .NET web application we were able to create a system that is very responsive to UCLA’s needs. They are now much more efficient in enrolling students in their courses. In addition, they can modify the new system as new business needs arise.

Special Features

We had to develop a couple of custom features to integrate credit card swiping within a browser application.

Technology Used

- Microsoft Visual Studio ASP.NET
- Microsoft SQL Server Microsoft SQL Server Reporting Services
- C# PDSA .NET Productivity Framework

Contact Information

For more information on this proposal, please contact either Paul D. Sheriff or Michael Krasowski at PDSA.

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