

USING THE ADMISSIONS APPLICATION WEB SERVICES FRAMEWORK TO DEVELOP AN APPLICATION SERVICE

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PRESENTERS

Matt Dumouchel

Manager of Information Systems

School of Graduate and Postdoctoral Studies

mdumouc2@uwo.ca



Teri Hern

Manager of Graduate Admissions

School of Graduate and Postdoctoral Studies

thern2@uwo.ca

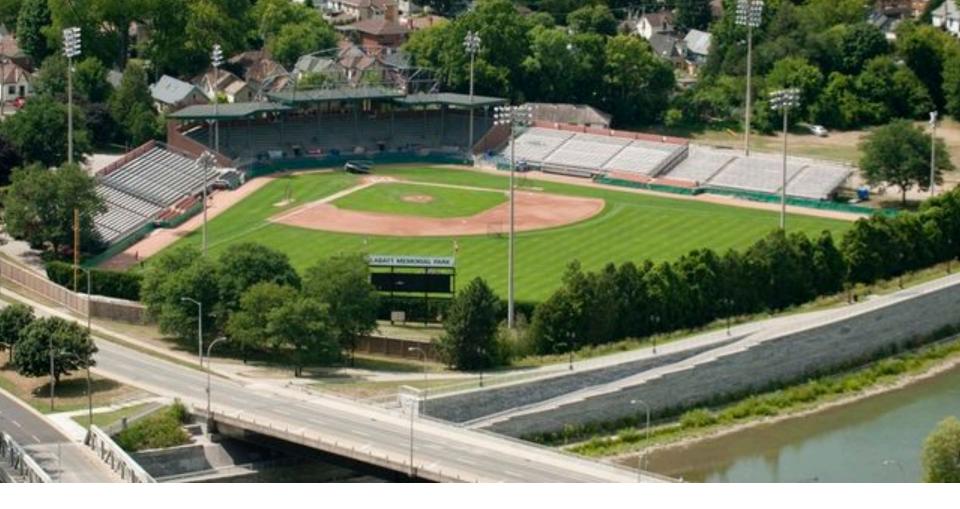


WESTERN UNIVERSITY

Founded: 1878

Graduate students: ~5,500

Graduate programs: 91



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WESTERN & ORACLE

Campus Solutions 9.0 Bundle 26 PeopleTools 8.54.21

GOALS FOR SESSION

We hope to...

- Help you understand what is delivered within the Admission Applications Web Services
- 2. Demonstrate how Western leveraged the technology to create a self-sufficient application network
- Provide you insight into our project and the lessons we learned and continue to learn

ROAD MAP





Why Build Our Own Application?



BRIEF HISTORY – ADMISSIONS

- Relied on digital third-party service since 2002
- Services pushed finished applications to SGPS
- Services took fee per application
- SGPS built services to accommodate third-party



WHY CONSIDER OUR OWN APPLICATION SERVICE?

PROS

- Improved access to information
- Improved access to applicants
- Improved business models
- No more revenue loss

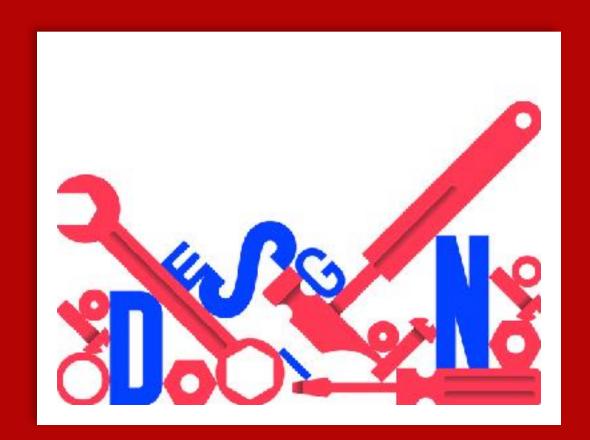
CONS

Responsibility



OPPORTUNITY

- Western was considering installing Campus Solution update bundles 24-27, holding the AAWS infrastructure
- Administration saw opportunity to modernize application service and eliminate third-party involvement





- What is the optimal business model for graduate admissions at Western?
- What can Campus Solutions and AAWS do to achieve this model?

CONSULTATION

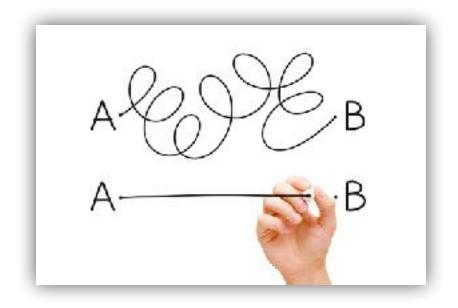
- SGPS began the active engagement of the graduate community
 - Associate Deans
 - Administrative Staff
 - SGPS Staff
 - Students

- Ignore what's been done in the past
- What would you want in an admissions process?



RESULTS

- Fast
- Transparent
- Customizable
- Comprehensive



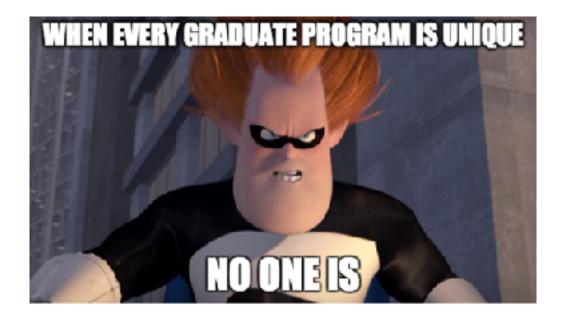
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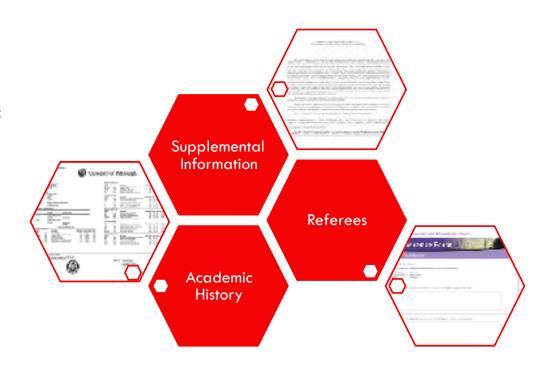
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INVESTIGATION

- SGPS sought guidance regarding the AAWS software
- Attended AAWS sessions at Alliance
- Attended pre-conference workshop on AAWS
- Connected with schools who had already deployed an AAWS solution





WHAT IS AAWS?

From PeopleBooks:

The primary purpose of the Admission Application Web Services (AAWS) suite (introduced in July, 2010) is to provide academic institutions, across the globe, with the ability to capture and move data from separately designed and constructed admissions applications into staging and production tables.

From Us:

Admission Applications
Web Services (AAWS) is
the Oracle delivered
engine that you can build
your own admissions
platform around.

WHAT IS AAWS?

2 Services for Payment Processing

- Initiate Payment
- Complete Electronic Payment

6 Services for Application Processing

- Create Application
- Save Application
- Get Applications
- Get Application
- Get Attachment
- Submit Application



2 Services for User Registration

- User Registration
- User Authentication

1 Service for Calling Lists

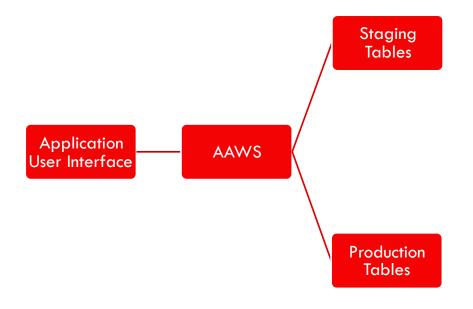
Get List of Values

A Web Service is a service offered by an electronic device to another electronic device, communicating with each other via the World Wide Web.

WHAT IS AAWS?

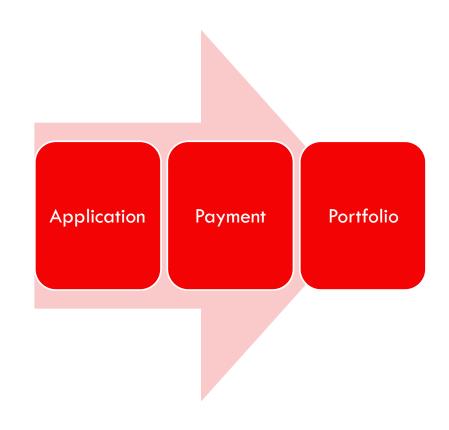
Interfaces

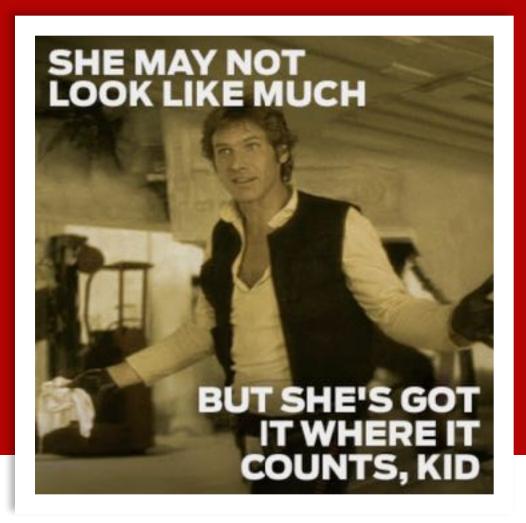
- User Management
- Constituent Transaction Manager
- Admission Application Manager



INITIAL GOALS

- Create the simplest path to admission
- Push all necessary information to the applicant within the application
- Build a customizable UI based on program needs
- Ensure a submitted application is a complete application



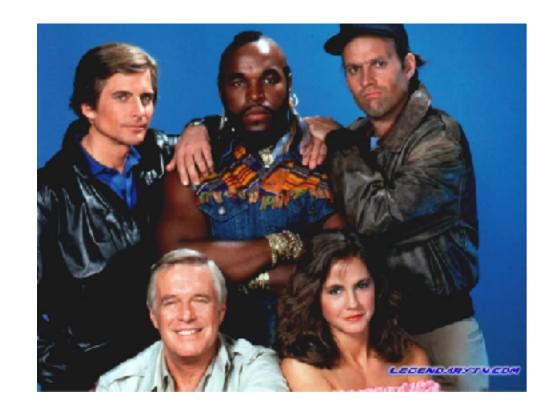




Getting to work.

DEVELOPMENT TEAM

- Three full-time functional staff
- Two full-time developers
- Sequestered into project space for duration of development/testing



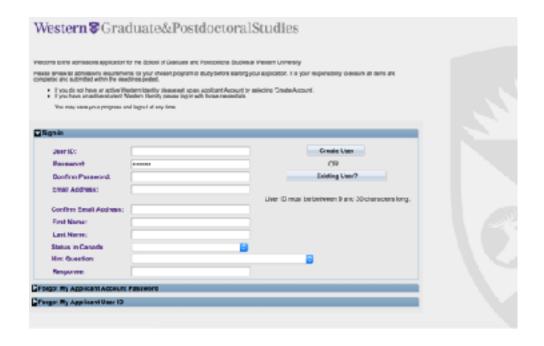
WHAT AAWS IS NOT

IMPORTANT CONSIDERATIONS

- This is not an out of the box, ready-to-use application
- A front-end user interface must be created/purchased
- Customizations might need to be made to conform to your needs

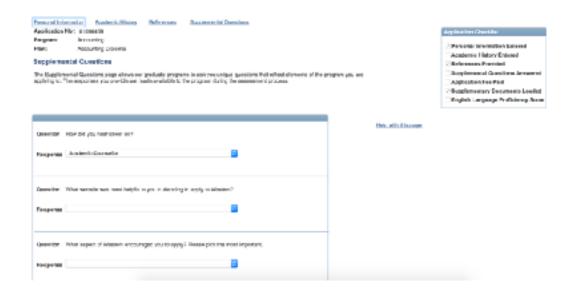


- Guest User Registration
- Application
- Custom Application Setup Tables
- Reference Loader

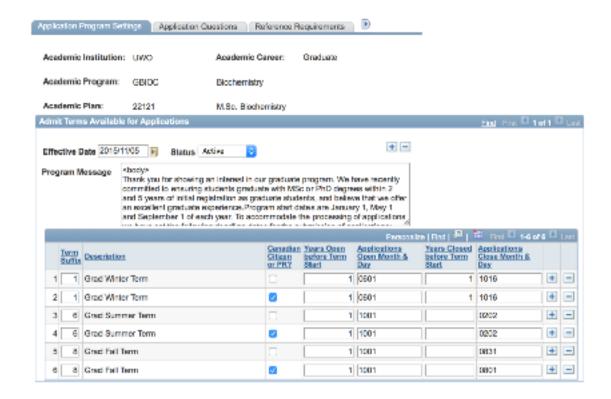




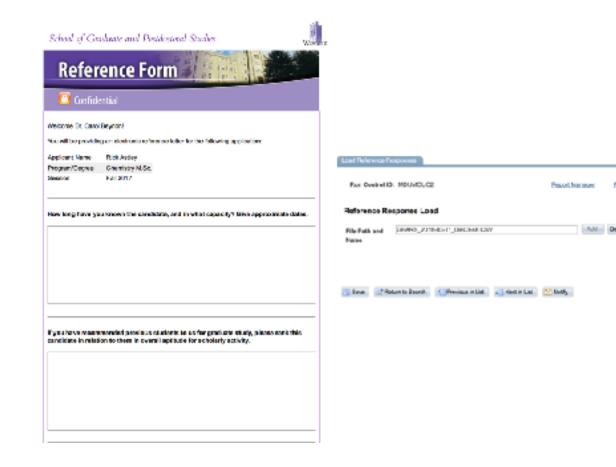
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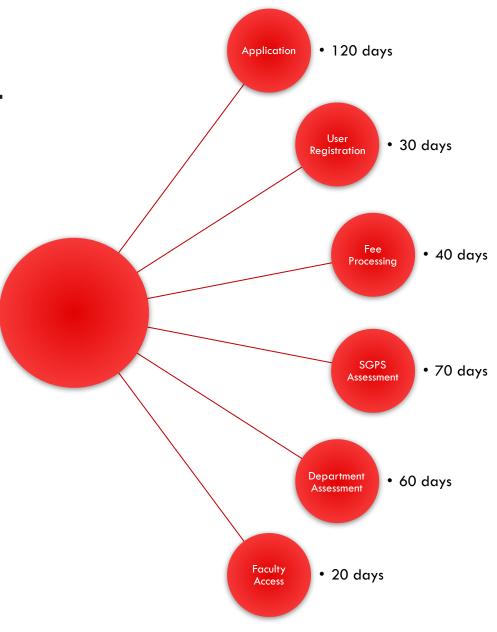


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MANAGING RESOURCES

- Work divided into 6 development packages
- Allowed project to maximize resources and time



MANAGING RESOURCES

- Work consisted of development and unit testing
- Functional and technical resources consistently engaged with development and unit testing

WORK PACKET	START	END
A. Application	Nov 19, 2012	May 3, 2013
B. User Registration	Nov 19, 2012	Dec 20, 2012
C. Fee Processing	Feb 11, 2013	April 5, 2013
D. SGPS Assessment	Jan 30, 2013	May 5, 2013
E. Department Assessment	Feb 27, 2013	May 21, 2013
F. Faculty Assessment	Mar 11, 2013	April 5, 2013

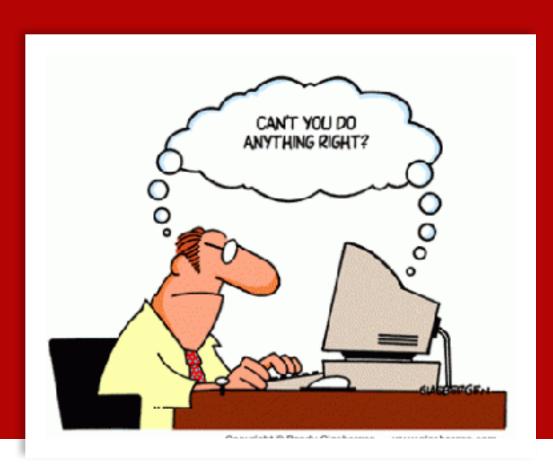
WHAT IS SOLA?

UNPACKING THE SOLA

- The sample online application (SOLA) is designed to showcase how AAWS is designed, organized and managed
- Includes embedded technical annotations
- Critical in instructing technical analysts on AAWS functions



For more details "Working with AAWS and the Sample Online Application (SOLA)"





TESTING

SHORT DESCRIPTION

TESTING

UNIT TESTING

Each work package had a dedicated schedule for unit testing

 Does this package do what it's supposed to?

Each unit testing phase lasted 1 to 3 weeks depending on the complexity of the package

TESTING

INTEGRATED TESTING

Two months allocated to integrated testing.

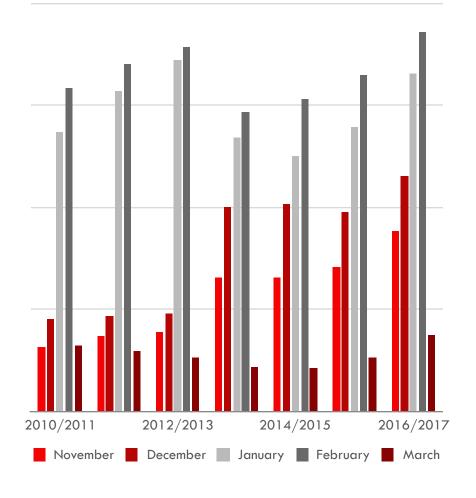
- 34 distinct user scenarios were created
- 113 unique errors/bugs were logged
- Two phases of testing DEV and QAT
- Issues surrounding the migration of fixes were constant

RESULTS After a 28-month project, what did we accomplish?

APPLICATIONS ARRIVE EARLIER

- Overall application numbers maintain steady growth over the years.
- Applicants are submitting applications earlier than ever before.

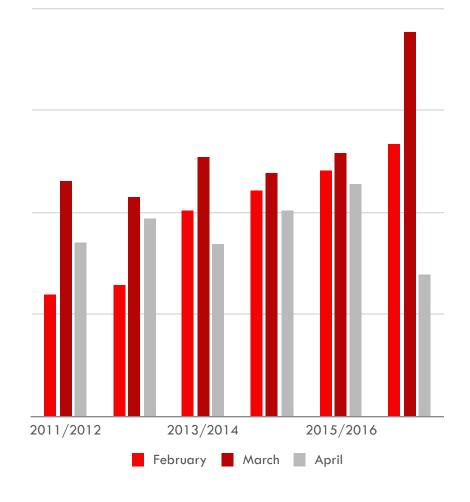
Applications Submitted by Month



OFFERS ARE SENT OUT EARLIER

- Offers are now sent out significantly earlier than prior to project
- Peak offer time has shifted from March/April to now include February

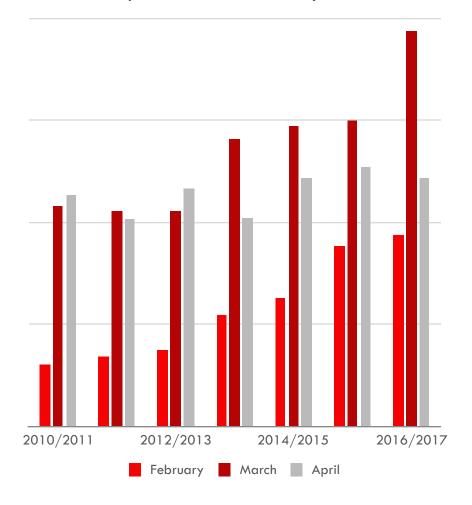
Offers Sent out by Month



DEINS ARE RECEIVED EARLIER

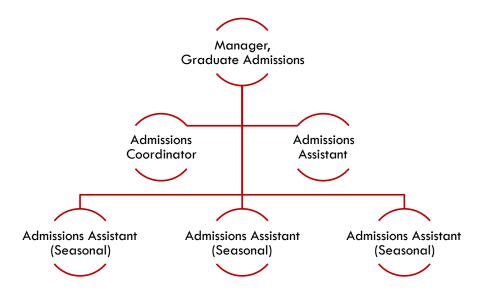
 Acceptances are now received significantly earlier in the admission cycle

Acceptances Received by Month



STAFFING CHANGES

- SGPS now supports a full-time admissions team with seasonal coverage during peak season
- Application fees now collected directly into SGPS manage the costs of the team



LESSONS LEARNED

- You can't test enough to replicate what you will encounter after release
- Don't rush changes into the product
- Don't underestimate the support needed for an application service open 24/7
- Where possible, collect feedback from users
- Plan for a regular schedule of updates to your service

CONCLUDING ANY QUESTIONS?

TO BE CONTINUED ANY QUESTIONS?

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ALL ALLIANCE PRESENTATIONS WILL BE AVAILABLE FOR DOWNLOAD FROM THE CONFERENCE SITE



