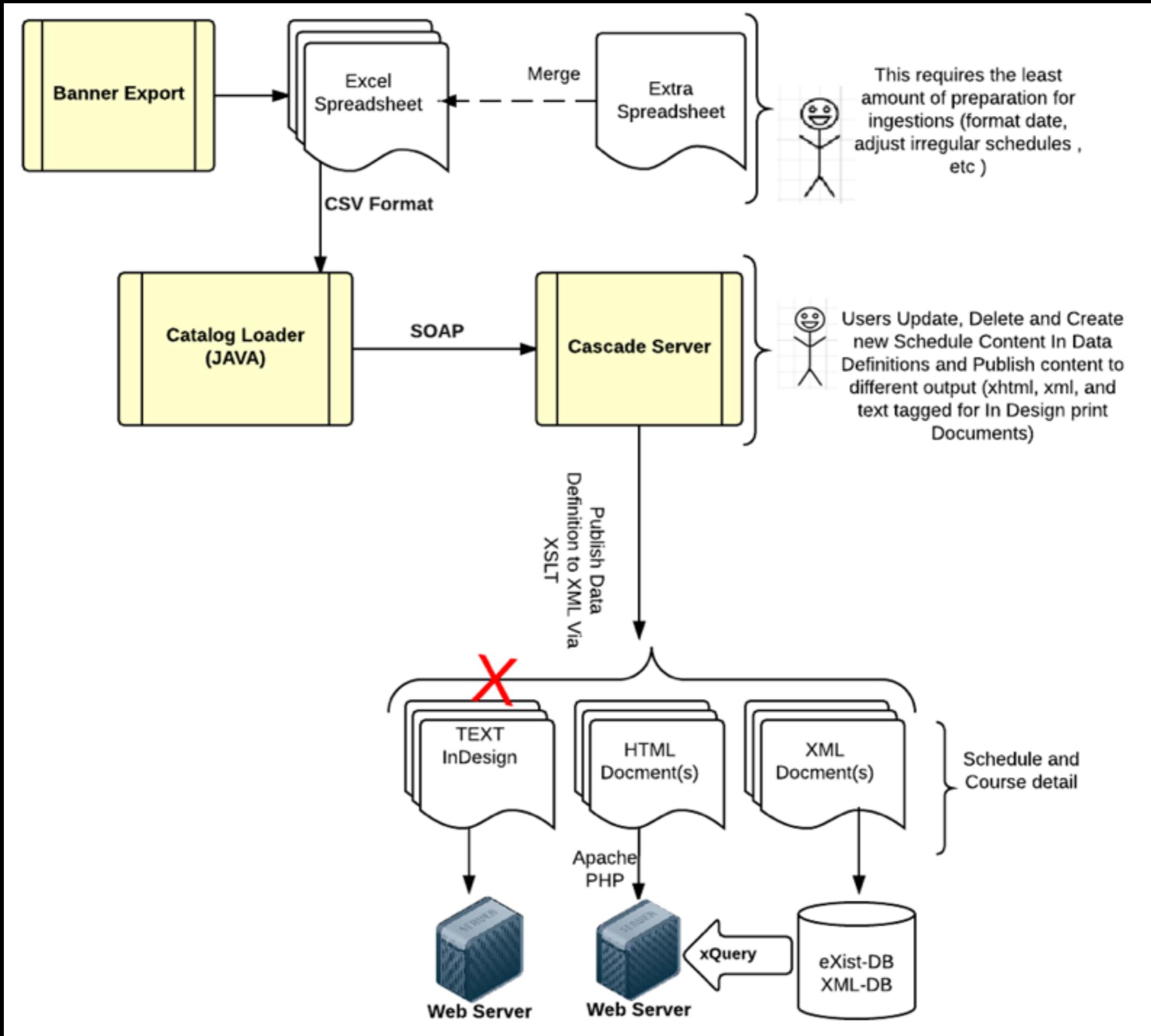


Ingesting external Data into Cascade **(Schedule Classes)**

Alem Areki
Sr.Web Programmer

UNIVERSITY OF RICHMOND

Ingesting Banner output Schedule classes into Cascade - Workflow



Alem Areki

Senior Web Programmer



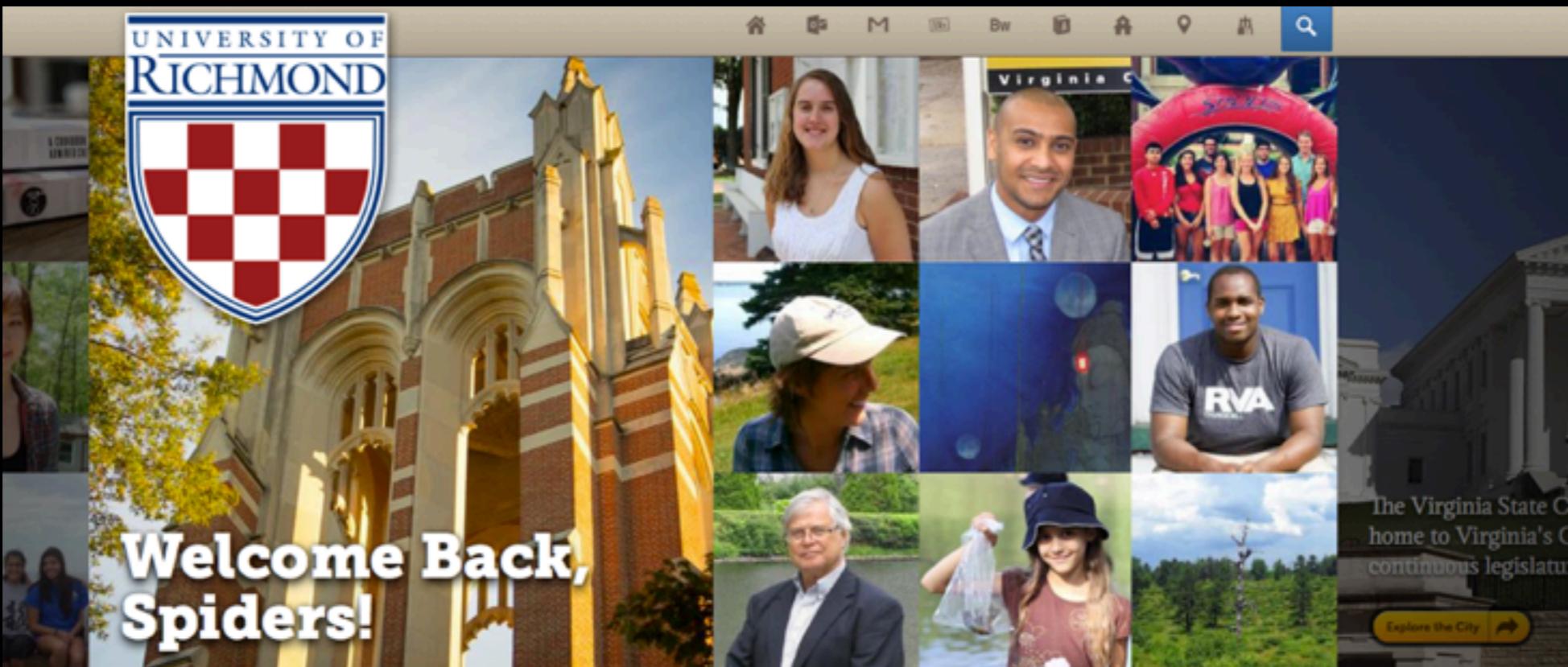
Alem Areki

Senior Web Programmer



* *Mathematics - Computer Science - UCSD**
* *University of Richmond* *
* *Family* *
* *Web* *
* *PT Freelance Developer* *

Who are we?



The image shows the homepage of the University of Richmond's website. At the top left is the university's logo, featuring a red and white checkered shield with the words "UNIVERSITY OF RICHMOND" above it. The main banner features a large image of a Gothic-style brick building with arched windows and a steeple, overlaid with the text "Welcome Back, Spiders!". To the right of the banner is a collage of various campus photos, including students, faculty, and staff. The top navigation bar includes icons for home, search, and other site functions. Below the banner is a blue navigation bar with links to Academics, Admission & Aid, Student Life, Arts, Athletics, Visit, Research & Internships, International, Alumni, and Giving. On the left side, there is a sidebar with a large "UR" logo and a circular graphic divided into segments representing different aspects of university life. The right side features two prominent U.S. News rankings: "#14 Great Schools at Great Prices" and "#25".

UNIVERSITY OF
RICHMOND

Welcome Back,
Spiders!

Academics Admission & Aid Student Life Arts Athletics Visit Research & Internships International Alumni Giving

Register for Family Weekend Sept. 19-21, 2014

Application Timeline Our step-by-step checklist walks you through the application process.

Be Part of the Promise Support the Campaign for Richmond.

#14
U.S. News

Great Schools at Great Prices

#25
U.S. News

Who are we?

- Private, highly selective, liberal arts university founded in 1830
- Five Schools offering undergraduate, master's, MBA, and law degrees

Who are we?

Schools of Arts and Sciences

UNIVERSITY OF RICHMOND SCHOOL OF ARTS & SCIENCES

Dean's Office Majors Departments Student Research Faculty Research Teaching Academic Resources Contact Us

Arts & Sciences Features
@richmondas on Twitter
Arts & Sciences Events
Arts & Sciences News

RICHMOND School of Arts & Sciences



Emma Materne, '14 ►
Emma Materne, '14, came to Richmond to study business but soon discovered that science and medical school are her passions.

Writers Series ►

New Faculty Orientation ►

Summer Experiences in the Social Sciences ►

Free Music Concert Series ►

David Evans Award Winners ►

Faculty Job Postings ►

Who are we?

Robins School of Business

GMAIL FAC/STAFF EMAIL BANNERWEB BLACKBOARD HR LIBRARY IS

UNIVERSITY OF RICHMOND ROBINS SCHOOL OF BUSINESS

Undergraduate MBA Executive Education International Business Centers People Speakers About Us Contact

Robins Feature Stories 24 Robins School Events In the News Robins School on Twitter


The Robins Debate
In the first ever Robins Debate, eight teams of students came together on March 21 to debate current international business issues for the chance to win \$2,000.

 The Richmond MBA
 The Robins Career Roadmap
 The Richmond MBA, Graduate Reflections
 International Business Programs
 Executive Education 14 in 2014
 Newsletters

Who are we?

Jepson School of Leadership Studies

GMAIL FAC/STAFF EMAIL BANNERWEB BLACKBOARD HR LIBRARY IS

UNIVERSITY OF RICHMOND

JEPSON SCHOOL OF LEADERSHIP STUDIES

Academics Research Faculty Students Alumni Conferences & Lectures About Jepson Deans Contact Us

 Jepson School Feature Stories

 Jepson News

 SEP 22 Jepson School Events

 Jepson School on Twitter

 JEPSON
School of Leadership Studies

SEP 22 Ethical Leadership in Combat and Prison
4:00 PM - 5:00 PM
When his wingman's plane was shot down over North Vietnam in 1967, Col. Leo Thorsness fought back. He relayed its position to search and rescue personnel, used his plane to distract the enemy while fellow airmen parachuted to the ground, destroyed two aircraft and turned back three others. Less than two weeks later he

SEP 30 Jepson Leadership Forum: Robert Thurman
7:00 PM - 8:30 PM
The Jepson Leadership Forum presents Buddhist scholar Robert Thurman for a discussion on Conflict and Anger. Thurman, the Jey Tsong Khapa Chair in Indo-Tibetan Buddhist Studies at Columbia University, will discuss "Conflict Between and Within: A Buddhist Perspective" on Tuesday, Sept. 30 at 7 p.m. in the Robins Pavilion in the

[View more events](#)


How to Apply


Fall Timeline


Conversation on Leadership with Playwright and Director Moisés Kaufman


Jepson Leadership Forum 2014-15


Jepson Newsletter: Summer 2014


Careers and Outcomes

Who are we?

University of Richmond School of Law

The screenshot shows the homepage of the University of Richmond School of Law website. At the top, there is a dark blue header bar with the school's logo (a red and white checkered shield) and the text "RICHMOND School of Law". Below the header, a navigation menu includes links for Academics, Admissions, Faculty, Current Students, Career Development, Library, Alumni & Giving, and Contact. A search bar is located in the top right corner. The main content area features a large photograph of five people in professional attire (three women in gowns and two men in suits) standing in front of an American flag. Below this image, a banner reads "Professors as Advocates". To the right of the banner, there are three promotional boxes: "2014-15 One Book, One Campus Selection", "Upcoming Alumni Events", and "Summer 2014 Issue of Richmond Law". At the bottom of the page, there are two columns: "Feature Stories" on the left and "Law Briefs" on the right. The "Feature Stories" column includes a story about Mary Caudill and another about Professors as Advocates. The "Law Briefs" column highlights research by Prof. Noah Sachs on the garbage crisis in India.

GMAIL FAC/STAFF EMAIL BANNERWEB BLACKBOARD HR LIBRARY IS

RICHMOND School of Law

Academics Admissions Faculty Current Students Career Development Library Alumni & Giving Contact

Professors as Advocates

2014-15 One Book, One Campus Selection

Upcoming Alumni Events

VIRGINIANS AT RISK

Summer 2014 Issue of Richmond Law

Mary Caudill

Mary Caudill retires after 28 years of service to Richmond Law's Admissions Office

Professors as Advocates

Richmond Law Professors Argue Supreme Court Case for 1L Students

Law Briefs

PROF. NOAH SACHS RESEARCHES GARBAGE CRISIS IN INDIA

Fulbright grant recipient Prof. Noah Sachs conducted research in India during the spring of 2014, learning and teaching at the National Law School in Bangalore. Read Prof. Sachs's recent article on the garbage crisis in Bangalore, [Garbage Everywhere](#)

Who are we?

School of Professional & Continuing Studies - SPCS (Complicated)

The screenshot shows the homepage of the University of Richmond School of Professional & Continuing Studies (SPCS). The top navigation bar includes links for GMAIL, FAC/STAFF EMAIL, BANNERWEB, BLACKBOARD, HR, LIBRARY, and IS, along with icons for user profile, search, and other site functions.

The main header features the text "UNIVERSITY OF RICHMOND" and "SCHOOL OF PROFESSIONAL & CONTINUING STUDIES". Below the header is a horizontal menu with links for About, Degree Programs, Certificates, Noncredit, Online, Centers & Institutes, Osher, Summer School, and Contact.

On the left side, there is a sidebar with a blue arrow pointing right, containing links for "SPCS Features", "SPCS News", "SPCS Events", and "SPCS on Facebook". Below this is the "RICHMOND School of Professional & Continuing Studies" logo.

The central content area features a large image of three people standing next to a white van labeled "elmont Center" and ".org". Below this image is a section titled "Youth Life REMIX" with a subtext about a teacher launching a teen program. To the right of the main content are several smaller images arranged in a grid, including one for "DULL CARE" and another for "I ❤ U".

At the bottom of the page, there are three main call-to-action buttons: "Apply to a Degree Program", "Class Schedules & Catalog", and "Professional Development for Teachers". There are also two smaller images at the bottom left and a video player for "SPCS Reflections 2014 (1 of 3)" at the bottom right.

Who are we?

School of Professional & Continuing
Studies (SPCS)

- Summer School
- Evening School
- Non-traditional students of all ages
 - Think Again
 - Osher Program

Who are we?

TEAM

Web Services

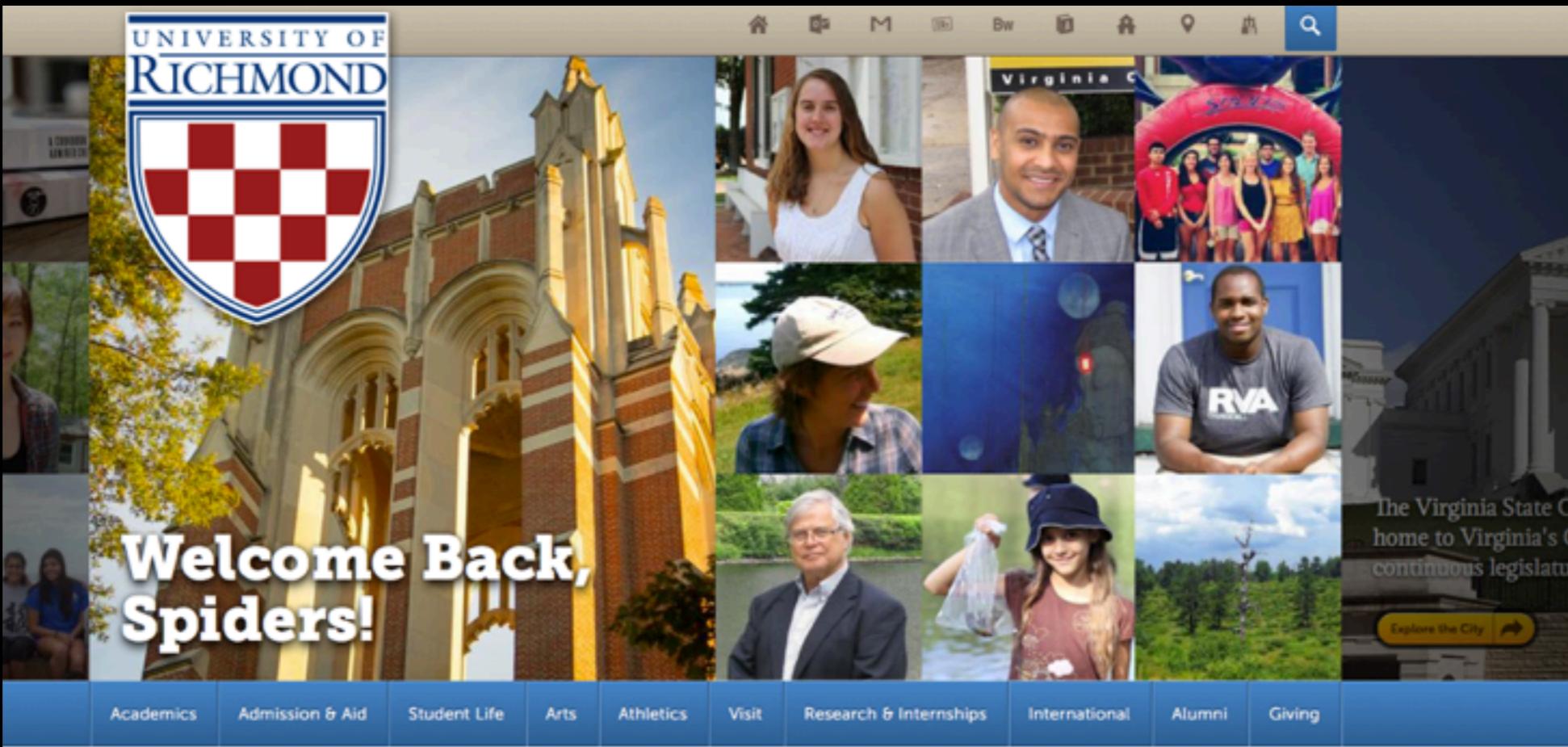
(Team of three - Back-end Developers, Server Infrastructure)

University Communications

(Front-end Developers, Designers, Web Editors)



What we do at UR



The image shows the homepage of the University of Richmond's website. At the top left is the university's crest featuring a red and white checkered shield with the words "UNIVERSITY OF RICHMOND". The main banner features a large image of a Gothic-style brick building with the text "Welcome Back, Spiders!" overlaid. To the right of the banner is a collage of various campus photos, including students, faculty, and staff. The top navigation bar includes icons for home, search, and social media, along with links for "Bw", "A", "C", and "D". Below the banner is a blue navigation bar with links for Academics, Admission & Aid, Student Life, Arts, Athletics, Visit, Research & Internships, International, Alumni, and Giving. On the left side, there is a sidebar with a circular graphic containing a spider and the letters "UR". It includes links for "Register for Family Weekend" (Sept. 19-21, 2014), "Application Timeline" (with a description of a step-by-step checklist), and "Be Part of the Promise" (supporting the Campaign for Richmond). On the right side, there are two large blue numbers: "#14" followed by "Great Schools at Great Prices" and "#25" followed by "U.S. News". Below these are links for "Welcome Week", "Academic Calendar", "Get Involved On Campus", "URWell Services", and "Sleep".

UNIVERSITY OF
RICHMOND

Welcome Back,
Spiders!

Academics Admission & Aid Student Life Arts Athletics Visit Research & Internships International Alumni Giving

Register for Family Weekend
Sept. 19-21, 2014

Application Timeline
Our step-by-step checklist walks you through the application process.

Be Part of the Promise
Support the Campaign for Richmond.

#14
U.S. News

Great Schools at Great Prices

#25
U.S. News

Welcome Week Academic Calendar Get Involved On Campus URWell Services Sleep

What we do at UR

What we do at UR

**We do the Public
Web**

What we do at UR

What we do at UR

Web Redesign + Artemis
Backend

5 Guiding Principles

Artemis as a Project



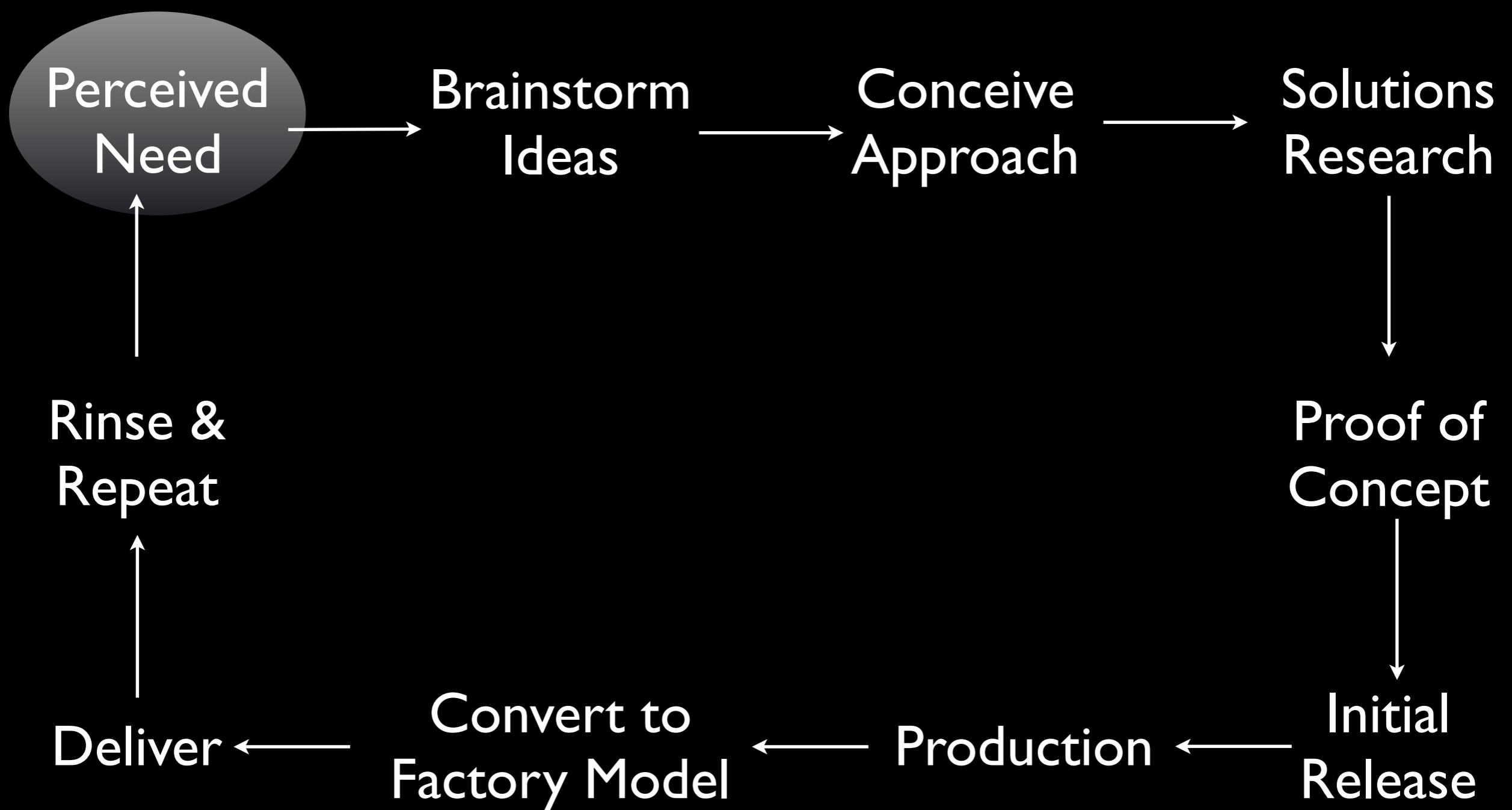
Self Identified Single Source Content Type → Integrate Related Content → Deliver
COPE (Create Once Publish Everywhere)

Web Redesign + Artemis Backend

5 Guiding Principles

- Shared Single Sourced Content
- Highly Flexible, Integrated (semantically linked) Content Types
- Exceptional Clear and Simple Wayfinding (nav + related content)
- Strong Storytelling (Experiences) over Marketing
- Facilitate Business Process Improvements with Artemis/Web

An innovation-to-factory cycle



What we do at UR

- We do almost *everything* in Cascade Server
- Cascade Server is a key part of our success

What we do at UR

- In Cascade Server
 - We manage & maintain more than 140 websites
 - More than 44 Integrated content Types are managed & maintained

More than 44 Integrated Content Types in our CMS

A word cloud visualization where the size of each word represents its frequency or importance. The words are color-coded by category:

- Catalog** (Yellow)
- Courses** (Yellow)
- Calendar** (Green)
- Schedules** (Orange)
- PropsDatabase** (Green)
- PCI** (Yellow)
- SwamDatabase** (Green)
- Bios** (Yellow)
- Menus** (Red)
- Exibitions** (Yellow)
- Promos** (Red)
- PressReleases** (Red)
- Infographics** (Green)
- Hours** (Red)
- FeatureArticles** (Yellow)
- PDF** (Red)
- Departments** (Red)
- InDesign** (Green)
- LibraryDatabases** (Yellow)
- TourGuide** (Green)
- AdmissionBlogs** (Red)
- Partners** (Red)
- CampusUnits** (Red)
- Programs** (Red)
- AcademicCalendar** (Yellow)
- ResearchDatabase** (Green)
- News** (Green)
- Quotes** (Blue)
- Students** (Red)
- Stats** (Red)
- SpiderdiariesBlog** (Orange)

Integrated Single Source Content Types

Major & Minor → Schedule Class → Faculty Bio → Courses

This screenshot shows the 'Fall 2014 Schedule of Classes' page. It features a large image of students in a classroom at the top. Below it is a search form with fields for Subject (Education - EDUC), Class Days (Instructor), and Course Times (8:00 AM - 11:00 AM). A sidebar on the right lists various course offerings under 'EDUC 3000: Content and Pedagogy for Elementary Science and Social Studies'.

This screenshot shows the 'Schedule of Classes' page. It has a search form for Subject (Education - EDUC), Class Days (Instructor), and Category. Below the search form is a 'Course Times' section with a slider from 8:00 AM to 11:00 AM. A sidebar on the right shows a list of courses, including 'EDUC 3000: Content and Pedagogy for Elementary Science and Social Studies'.

This screenshot shows a detailed view of a course offering for 'EDUC 3000: Content and Pedagogy for Elementary Science and Social Studies'. It includes information such as the date (August 25, 2014 through December 15, 2014), time (Wednesday, 4:00 - 6:40 pm), instructor (Patricia Stohr-Hunt), room (1000), seats (3), fees (\$1,440), and a description of the course.

This screenshot shows the 'Education Courses' page. It lists various course categories like 'EDUC 3000: Partners in the Arts', 'EDUC 3000: Foundations for Elementary Science and Social Studies', and 'EDUC 3000: Content and Pedagogy for Early Literacy Instruction'. On the right, there's a 'Teacher Licensure Preparation' section with a 'Complete our online application' button.

This screenshot shows the 'Teacher Licensure Preparation' page. It details the TLP program requirements, including a Bachelor's degree in Early Childhood Education or a related field, and a minimum of 120 semester hours. It also mentions the 'Undergraduate Concentration in Education (TLP)' and 'Graduate Concentration in Education (TLP)'.

This screenshot shows the 'Faculty/Staff Bio' page for Dr. Patricia M. Stohr-Hunt. It includes her profile picture, contact information (phone: 804-289-8427, email: psch@richmond.edu), publications, presentations, and areas of expertise (Science teaching and training, Using children's literature across the curriculum, Environmental education).

Integrated Single Source Content Types

UNIVERSITY OF RICHMOND
SCHOOL OF PROFESSIONAL & CONTINUING STUDIES

About Degree Programs Certificates Noncredit Online Centers & Institutes Osher Summer School Contact



Fall 2014 Schedule of Classes

Registration for Fall 2014 is now open.

- Most classes begin Monday, August 25, 2014
- Classes for teacher professional development begin Tuesday, September 2.

Search classes, review schedules and prepare a list of CRNs for registration. Register online using [BannerWeb](#).

Note: Schedules are tentative and may change without notice. [BannerWeb](#) is the University's authoritative schedule and registration application.

 [Schedule of Classes](#)

 [Search for Courses](#) [Clear Search Criteria](#)

Subject: Education (EDUC) Level:

Class Days: Instructors:

Category:

Course Times: 8 A.M. to 11 P.M. (A horizontal timeline with a red bar indicating the time range.)

Keyword:

[Search for Courses](#)

Schedule of Classes

[Online & Hybrid Courses](#)
[Recently Added Courses](#)

Forms & Applications

- Registration
 - Opens July 8, 2014
- SPCS students
 - Register in [BannerWeb](#)
 - Call the [School](#) to be re-admitted if necessary.
- Admissions & applications
 - [Undergraduate, graduate & TLP](#)
 - [Professional development for teachers](#)
- Additional information
 - [Schedule of fees](#)
 - [Financial aid options](#)
 - [For current students](#)
 - [For new students](#)
 - [For prospective students](#)

Need to Print a Schedule?

As part of our sustainability effort, we've shifted our class schedules entirely online.

Print your own custom schedule:

- Conduct a search. To include all classes, enter no search criteria.
- Click 'Print Courses.' The link is at the top of the search results.
- Select your printer and options. The printable version and print dialogue will open in a new window or tab.

Share this...  

Integrated Single Source Content Types

Schedule of Classes

Search for Courses

Subject: Education (EDUC) Level:

Class Days: Instructors:

Category:

Course Times: 6 A.M. to 11 P.M.

Keyword:

[Print Courses](#) [Search for Courses](#)

Courses Matching Your Criteria:

- [+] EDUC 306U Content and Pedagogy for Elementary Science and Social Studies
- [+] EDUC 318U Diverse Learners
- [+] EDUC 324U Reading Foundations for Early Literacy Instruction
- [+] EDUC 326U Assessment, Intervention and Literacy Strategies for Elementary Readers
- [+] EDUC 327U Content and Pedagogy for Elementary Mathematics
- [+] EDUC 338U Instructional Technology Applications for the Classroom
- [+] EDUC 342U Teaching in Middle and Secondary Schools
- [+] EDUC 343U Seminar in Middle and Secondary Teaching
- [+] EDUC 358U Classroom and Behavior Management
- [+] EDUC 475U Student Teaching, Elementary (PreK-6)
- [+] EDUC 477U Student Teaching, Secondary (6-12)
- [+] EDUC 478U Student Teaching, Comprehensive (PreK-12)
- [+] EDUC 485U Student Teaching Seminar
- [+] EDUC 506U Content and Pedagogy for Elementary Science and Social Studies
- [+] EDUC 509U Understanding Poverty
- [+] EDUC 517U Foundations of Education
- [+] EDUC 518U Diverse Learners
- [+] EDUC 524U Reading Foundations for Early Literacy Instruction

For prospective students

Need to Print a Schedule?

As part of our sustainability effort, we've shifted our class schedules entirely online.

Print your own custom schedule:

1. Conduct a search. To include all classes, enter no search criteria.
2. Click 'Print Courses.' The link is at the top of the search results.
3. Select your printer and options. The printable version and print dialogue will open in a new window or tab.

Share this...

Integrated Single Source Content Types

 Schedule of Classes

 Search for Courses Clear Search Criteria

Subject: Education (EDUC) Level
Class Days: Instructors
Category: Course Times

Course Times: 6 A.M. to 11 P.M.

Keyword:

Print Courses Search for Courses

Courses Matching Your Criteria:

[–] EDUC 306U Content and Pedagogy for Elementary Science and Social Studies

Course Offerings (1)

August 25, 2014 through December 13, 2014
Wednesdays: 4:00 - 6:40 pm
Instructor: [Patricia Stohr-Hunt](#)
CRN: 15822 (section: 1)
Semester hours: 3
Fee: \$1,320
Departmental approval required.

Description

In-depth examination of core elementary science and social studies concepts and subject-specific pedagogy. Course content emphasizes and integrates state and national standards, problem-solving approaches, curriculum integration strategies, content area literacy, and current research.

- [For new students](#)
- [For prospective students](#)

Need to Print a Schedule?

As part of our sustainability effort, we've shifted our class schedules entirely online.

Print your own custom schedule:

1. Conduct a search. To include all classes, enter no search criteria.
2. Click 'Print Courses.' The link is at the top of the search results.
3. Select your printer and options. The printable version and print dialogue will open in a new window or tab.

Share this...  

Integrated Single Source Content Types

UNIVERSITY OF RICHMOND DIRECTORY

Faculty/Staff Bios FAQ and Help Sustainability Efforts Directory Feedback

 Dr. Patricia M. Stohr-Hunt
Assistant Professor of Elementary Education
Chair, Department of Education

[Profile](#) [Publications](#)

[Presentations](#)

Stohr-Hunt, P.M. & Joyce, K.P. (2003, March). Designing and developing WebQuests. Presentation at the meeting of the Virginia Society for Technology in Education, Crystal City, VA.

Stohr-Hunt, P.M. (2003, March). Rethinking elementary science teacher preparation: Views from the field. Paper presented at the meeting of the National Association for Research in Science Teaching, Philadelphia, PA.

Campus Directory ►

Education
Ph.D., SUNY Buffalo

Contact Information
pstohrhu@richmond.edu
[309 North Court](#)
(804) 289-8432
(804) 287-6369 (Fax)

Areas of Expertise
Science teaching and training
Using children's literature across the curriculum
Environmental education

 [Printer-friendly version](#)

 Maps & Directions © 1995-2014 Legal Notices Site feedback	GENERAL INFO UR Facts Bookstore Media & Public Relations Emergency Information University Police	SCHOOLS Arts & Sciences Business Leadership Studies Law Professional & Continuing Studies	ADMINISTRATION President's Office Communications Office Provost's Office Student Development Human Resources	COMMUNITY Civic Engagement UR Downtown Modlin Center Public Calendar Community Education
---	---	--	---	---

Integrated Single Source Content Types

UNIVERSITY OF RICHMOND
SCHOOL OF PROFESSIONAL & CONTINUING STUDIES

About Degree Programs Certificates Noncredit Online Centers & Institutes Osher Summer School Contact



Teacher Licensure Preparation

Our Teacher Licensure Preparation (TLP) program offers the coursework required by the Virginia Department of Education to become a licensed Virginia teacher. Our licensure programs are approved by the Virginia Board of Education and nationally accredited by TEAC.

We offer a graduate certificate for adult students who already have a bachelor's degree, along with an undergraduate concentration for adult students seeking the School's Bachelor of Arts in Liberal Arts (BALA). Admission is open to qualified applicants with a bachelor's degree and to applicants earning the BALA.

We offer [endorsements](#) in elementary education (grades preK-6), secondary content areas (grades 6-12) and comprehensive content areas (grades preK-12). Students in the program may pursue an optional add-on endorsement in Gifted Education or a dual endorsement in English as a Second Language or Special Education: General Curriculum by adding courses and/or practicum experiences in consultation with an advisor.

Students who complete the graduate TLP program are eligible to apply a portion of their coursework and experiences toward the M.Ed. in Curriculum and Instruction.

Course of Study

[Undergraduate Concentration](#) [Graduate Certificate](#)

Undergraduate Concentration in Education (TLP)

Undergraduate students may opt for an additional concentration in education toward teacher licensure preparation while working toward a Bachelor of Arts in Liberal Arts (BALA) degree.

Professional Studies - All Candidates

12 semester hours. All candidates must complete the following courses.

[EDUC 317U Foundations of Education](#)
[EDUC 318U Diverse Learners](#)
[EDUC 338U Instructional Technology Applications for the Classroom](#)
[EDUC 358U Classroom and Behavior Management](#)

Professional Studies—Elementary

12 semester hours. Elementary candidates only.

[EDUC 306U Content and Pedagogy for Elementary Science and Social Studies](#)

EDUC 306U In-depth examination of core elementary science and social studies concepts and subject-specific pedagogy. Course content emphasizes and integrates state and national standards, problem-solving approaches, curriculum integration strategies, content area literacy, and current research.

[EDUC 324U Reading Foundations for Early Literacy Instruction](#)

Education

[Teacher Licensure Preparation](#)
[Curriculum & Instruction](#)
[Education Leadership & Policy Studies](#)
[Endorsements & Concentrations](#)
[Admissions](#)
[Courses](#)
[Faculty](#)
[Professional Development](#)
[Teacher Institutes](#)

[Complete our Online Application](#)

[Gainful Employment Disclosure](#)

Join our Contact List

Include address to receive packet by mail.

* = Required Field

* First Name

* Last Name

* Email

* Program of Interest

Street

City

State ZIP

VA - Virginia

Submit

Professional & Continuing Studies

Department of Education
North Court
28 Westhampton Way

Integrated Single Source Content Types

UNIVERSITY OF RICHMOND
SCHOOL OF PROFESSIONAL & CONTINUING STUDIES

About Degree Programs Certificates Noncredit Online Centers & Institutes Osher Summer School Contact

Education Courses

Lists all Education courses. Specific offerings by term, including specific selected topics, can be viewed for [spring](#), [fall](#) and [summer](#) terms.

[+] EDUC 303U Partners in the Arts

[–] EDUC 306U Content and Pedagogy for Elementary Science and Social Studies
Semester hours: 3
Description
In-depth examination of core elementary science and social studies concepts and subject-specific pedagogy. Course content emphasizes and integrates state and national standards, problem-solving approaches, curriculum integration strategies, content area literacy, and current research.

[+] EDUC 317U Foundations of Education

[+] EDUC 318U Diverse Learners

[+] EDUC 324U Reading Foundations for Early Literacy Instruction

[+] EDUC 326U Assessment, Intervention and Literacy Strategies for Elementary Readers

[+] EDUC 327U Content and Pedagogy for Elementary Mathematics

[+] EDUC 338U Instructional Technology Applications for the Classroom

[+] EDUC 342U Teaching in Middle and Secondary Schools

[+] EDUC 343U Seminar in Middle and Secondary Teaching

[+] EDUC 350U Content Area Literacy

[+] EDUC 358U Classroom and Behavior Management

[+] EDUC 398U Selected Topics

[+] EDUC 475U Student Teaching, Elementary (PreK-6)

[+] EDUC 477U Student Teaching, Secondary (6-12)

[+] EDUC 478U Student Teaching, Comprehensive (PreK-12)

[+] EDUC 485U Student Teaching Seminar

[+] EDUC 503U Partners in the Arts

Education

[Teacher Licensure Preparation](#)

[Curriculum & Instruction](#)

[Education Leadership & Policy Studies](#)

[Endorsements & Concentrations](#)

[Admissions](#)

[Courses](#)

[Faculty](#)

[Professional Development](#)

[Teacher Institutes](#)

[Complete our Online Application](#)

Professional & Continuing Studies

Department of Education
North Court
28 Westhampton Way
University of Richmond, VA 23173
Phone: (804) 289-8427
spca@richmond.edu

Artemis Achieves

Artemis Achieves Single source content Developments

Artemis Achieves Single source content Developments

**Delivery targeted
content to the users!**

Artemis Achieves

**Single source
content Developments**

**Delivery targeted
content to the users!**

**Supports our
factory model!**

Artemis Achieves

**Single source
content Developments**

**Delivery targeted
content to the users!**

**Supports our
factory model!**

**Makes content
discovery easy!**

Cascade Server enabled us to fully manage & maintain the University Catalog and most Schedules as a single source delivery system that channels into multiple outputs.

Stopped Printing Course Catalogs & Schedules

No longer printing
20,000+ books a year!

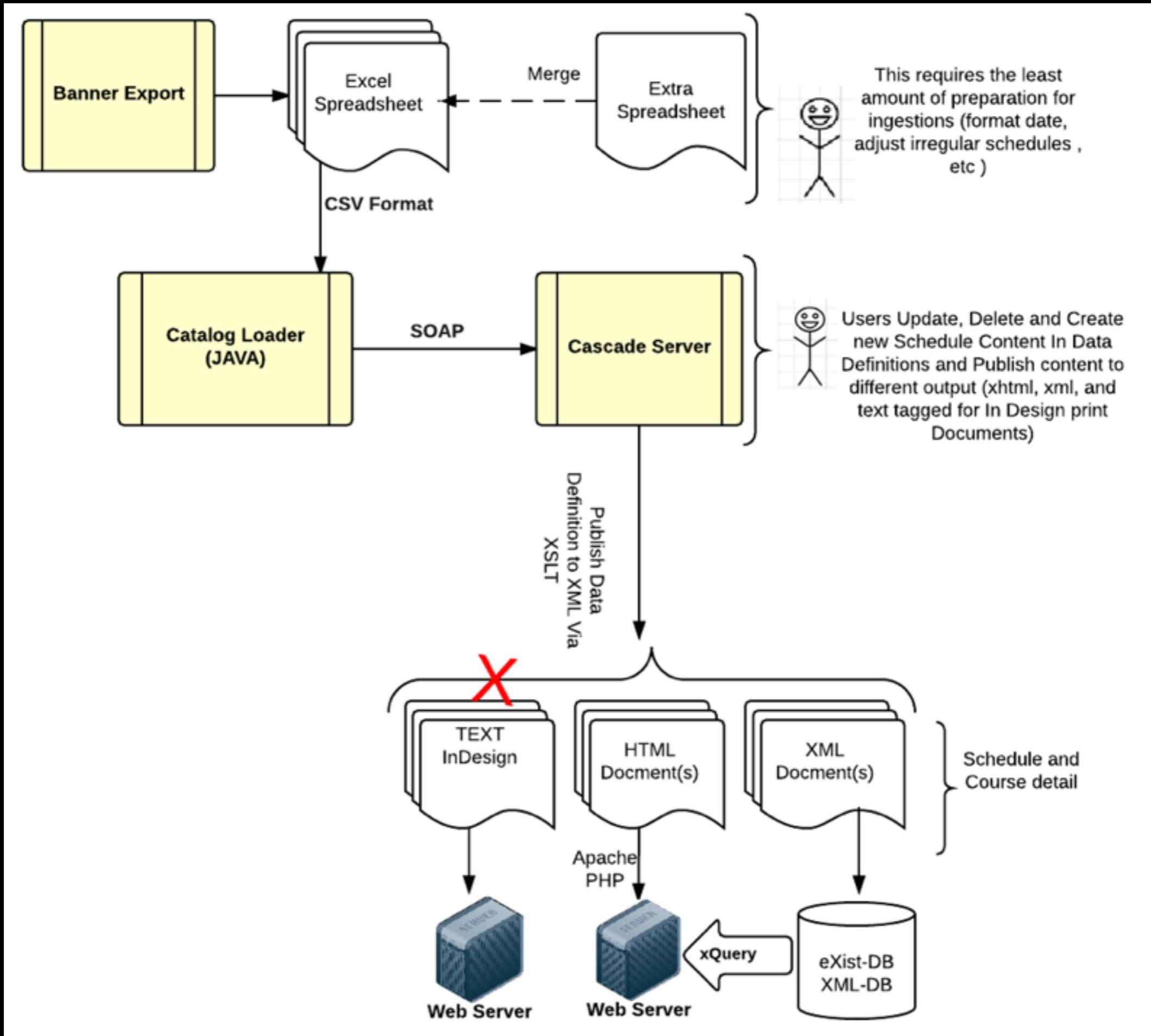


How to ingest SPCS Evening School Schedule Classes into Cascade Server

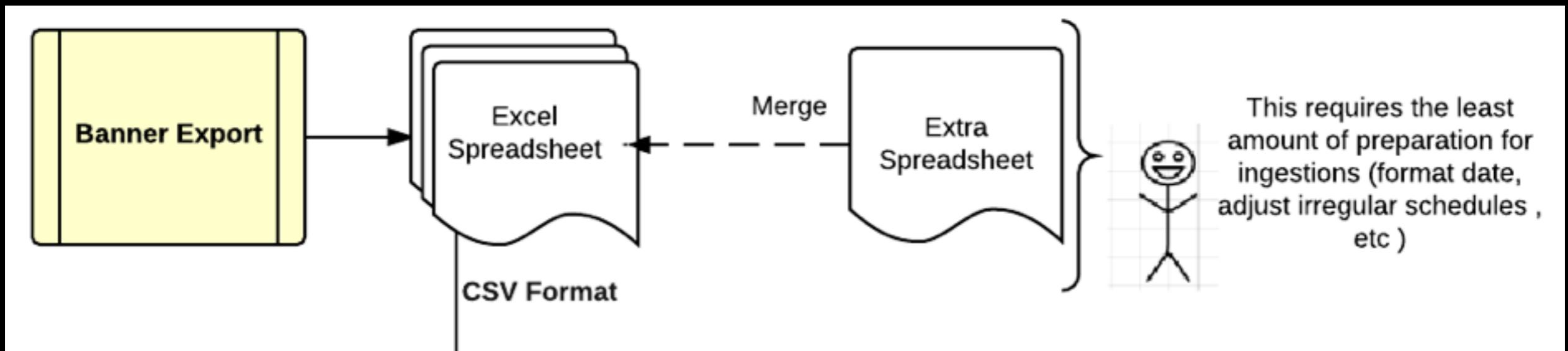
Overview prior to ingesting Schedule Data

- SPCS Schedule Data comes from a number of sources (Banner and Other)
- The Data has to be manually improved
- The Data exists in excel spreadsheets and uploaded to mySQL after manual improvements (Time consuming procedures)
- Other Catalog are being migrated to Cascade + eXist-db Artemis Infrastructure

Ingesting Banner output Schedule classes into Cascade - Workflow

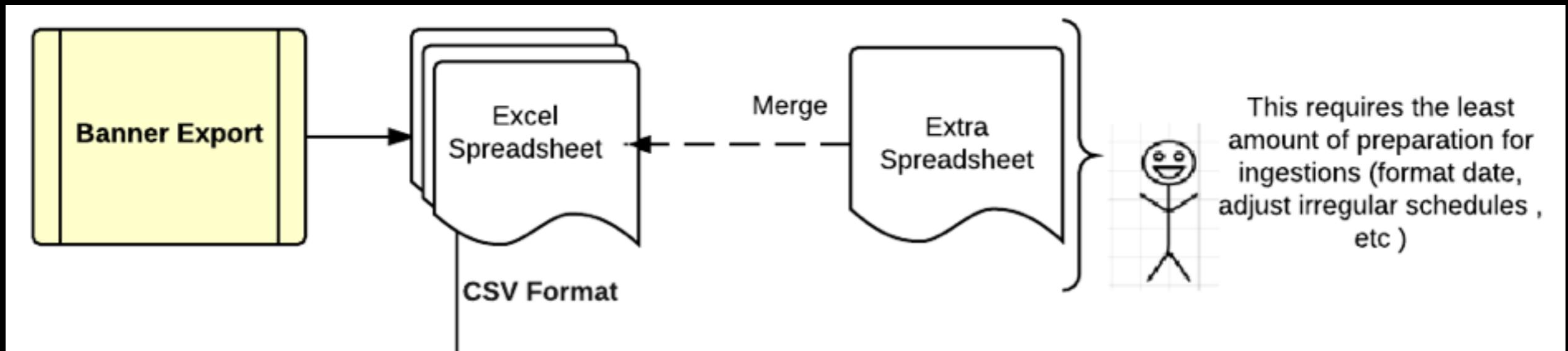


Preparing Schedule data for XML ingestions (Phase one)



CSV → XML → Data Definition

Preparing Schedule data for XML ingestions (Phase one)



CSV → XML → Data Definition

- Understand Data Flow
- Understand schedule data structure (Banner output)
- Mapping Schedule Data (CSV file) into Cascade XML - (*Create DD based on CSV file Data Structure Normalize & Prioritize Schedule Data*)

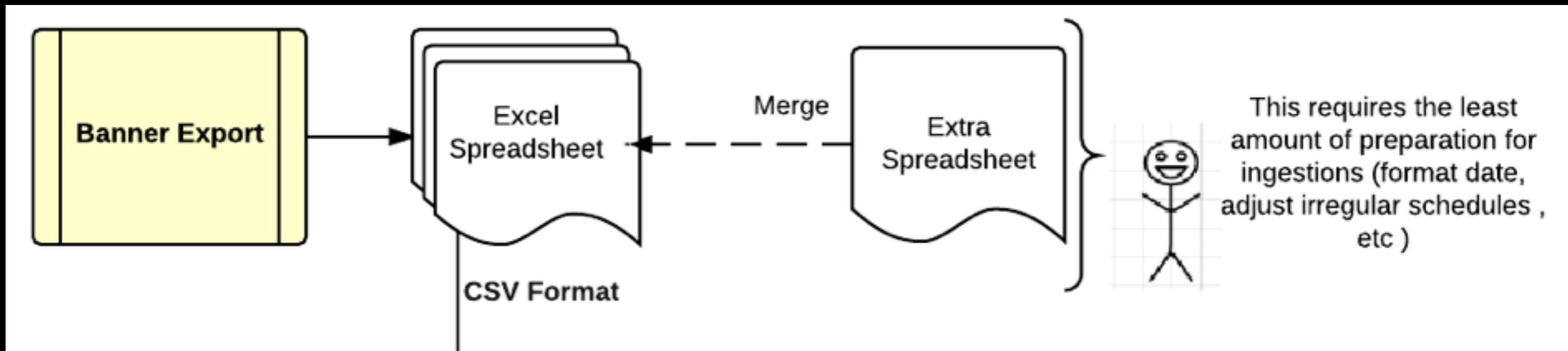
Evening Class Original Banner output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	
	Department	Term	PTRM	Camp	XLST	CRN	SUBJ	CRSE	SEQ	TITLE	MAX LEVEL	ENRL	HOURS	START DATE	END DATE	U	M	T	W	R	F	S	START TIME	END TIME	BLDG	ROOM	INST 1	LAST NAME 1	FIRST NAME 1	INST ID 2	LAST NAME 2	
1	Liberal Arts	201120	U	SCS	20016	ADED	201U	01	PORTFOLIO SUBMISS/ASSESSM	15	0	0																				
2	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3	14-Jan-12	14-Jan-12			S	0900	1430	VAB	213	57725987	Alley	John								
3	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3	28-Jan-12	28-Jan-12			S	0900	1430	VAB	213	57725987	Alley	John								
4	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3	11-Feb-12	11-Feb-12			S	0900	1430	VAB	213	57725987	Alley	John								
5	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3	25-Feb-12	25-Feb-12			S	0900	1430	VAB	213	57725987	Alley	John								
6	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3	17-Mar-12	17-Mar-12			S	0900	1430	VAB	213	57725987	Alley	John								
7	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3	31-Mar-12	31-Mar-12			S	0900	1430	VAB	213	57725987	Alley	John								
8	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3	14-Apr-12	14-Apr-12			S	0900	1430	VAB	213	57725987	Alley	John								
9	Liberal Arts																															
10	Liberal Arts	201120	U	SCS	23445	ART	300U	01	COLOR PHOTOGRAPHY	15	0	3																				
11	Liberal Arts																															
12	Liberal Arts	201120	U	SCS	A1	23446	ART	398U	01	ST: GREAT DISASTERS & IMPACT	3	0	3	09-Jan-12	28-Apr-12		T		1900	2140	RYLH	203	45258069	Wray	Elisabeth	57725987	Alley					
13	Liberal Arts																															
14	Liberal Arts	201120	U	SCS	22660	ARTS	115U	01	ART NON-MAJ INTRO TO PAINT	20	0	3	09-Jan-12	28-Apr-12		R		1900	2140	VAB	310	18497615	Lane	Kelley								
15	Liberal Arts																															
16	Liberal Arts	201120	U	SCS	23169	BIOL	221U	01	ENVIRONMENTAL BIOLOGY	20	0	3	09-Jan-12	28-Apr-12		R		1900	2140	GOTW	C200	28889043	Maurakis	Eugene								
17	Liberal Arts																															
18	Liberal Arts	201120	U	SCS	23448	ENGL	340U	01	BLACK WOMEN WRITERS	20	0	3	09-Jan-12	28-Apr-12	M			1900	2140	JPSN	107	77181791	Herweyer	Cathy								
19	Liberal Arts																															
20	Liberal Arts	201120	U	SCS	23038	ENGL	398U	02	ST:LITERATURE OF THE CIVIL	15	0	3	09-Jan-12	28-Apr-12	T			1900	2140	RYLH	204	12289132	Gruener	Mark								
21	Liberal Arts																															
22	Liberal Arts	201120	U	SCS	23447	GSCI	302U	01	GREAT IDEAS IN SCIENCE	20	0	3	09-Jan-12	28-Apr-12	W			1900	2140	GOTW	D308	14470463	Brown	James								
23	Liberal Arts																															
24	Liberal Arts	201120	U	SCS	A1	23449	HIST	315U	01	GREAT DISASTERS&IMPACT:18	8	0	3	09-Jan-12	28-Apr-12	T			1900	2140	RYLH	203	45258069	Wray	Elisabeth	57725987	Alley					
25	Liberal Arts																															
26	Liberal Arts	201120	U	SCS	H1	23461	HIST	322U	01	MOMENTS IN TIME II:HIST/AM	10	0	3	09-Jan-12	28-Apr-12	M			1830	2110	RYLH	205	67552459	Roberts	Daniel							
27	Liberal Arts																															
28	Liberal Arts	201120	U	SCS	23450	HIST	323U	01	WESTWARD HO!	20	0	3	09-Jan-12	28-Apr-12	R			1900	2140	RYLH	205	45258069	Wray	Elisabeth								
29	Liberal Arts																															
30	Liberal Arts	201120	U	SCS	23452	HIST	398U	03	ST: CREATION OF MODERN EU	20	0	3	09-Jan-12	28-Apr-12	M			1900	2140	RYLH	203	12978242	Contrada	Christine								
31	Liberal Arts																															
32	Liberal Arts	201120	U	SCS	H2	23451	HIST	398U	02	ST: THE ITALIAN RENAISSANC	10	0	3	09-Jan-12	28-Apr-12	W			1900	2140	RYLH	212	12978242	Contrada	Christine							
33	Liberal Arts																															
34	Liberal Arts	201120	U	SCS	22663	HUM	313U	01B	CAREER AND LIFE DEVELOPM	15	0	3	09-Jan-12	28-Apr-12									ONLINE		60380816	Banks	Jada					
35	Liberal Arts																															
36	Liberal Arts	201120	U	SCS	20112	IDST	302U	01	REALM OF IDEAS II-SLF,SCTY,S	20	0	3	09-Jan-12	28-Apr-12	M			1900	2140	JPSN	G23	14470463	Brown	James	17722143	Moegan						
37	Liberal Arts																															
38	Liberal Arts	201120	U	SCS	22143	IDST	395U	01	REALM OF IDEAS IV:CAPSTON	25	0	3	09-Jan-12	28-Apr-12	W			1900	2140	RYLH	205	47173304	Wieder	Christopher								
39	Liberal Arts																															
40	Liberal Arts	201120	U	SCS	23453	ISTY	398U	01	ST:US & MEX:GLOBALIZ NEXT	20	0	3	09-Jan-12	28-Apr-12																		

Evening Class Excel Doc

Evening-SCHED_ALL-Sp2012-ST-Des																	
A1		fix crs_crn															
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
crs_crn	crs_subj	crs_nmbr	crs_sect	crs_title	reg_title	crs_day	time_start	time_end	crs_hrs	date_start	date_end	crs_fee	sched_note	crs_status	inst1_nmbr	inst2_nmbr	inst3_nmbr
20016	ADED	201U		1 Portfolio Sub PORTFOLIO ST TBD					0	1/9/12	4/28/12	\$200	Department	Scheduled	jbanks		
23445	ART	300U		1 Color Photog COLOR PHOT Saturday		9:00 AM	2:30 PM		3	1/14/12	4/12/12	\$1,197	Special dates	Scheduled	jalley		
23446	ART	398U		1 ST: Great Dis ST: GREAT DI Tuesday		7:00 PM	9:40 PM		3	1/9/12	4/28/12	\$1,197		New	ewray		
23434	ART	598U		1 ST: Great Dis ST: GREAT DI Tuesday		7:00 PM	9:40 PM		3	1/9/12	4/28/12	\$1,434	MIA student	New	ewray		
22660	ARTS	115U		1 Art for Non-F ART NON-M Thursday		7:00 PM	9:40 PM		3	1/9/12	4/28/12	\$1,197		Scheduled	klane2		
23169	BIOL	221U		1 Environment ENVIRONME Thursday		7:00 PM	9:40 PM		3	1/9/12	4/28/12	\$1,197		Scheduled	emauraki		
23769	CLAC	250U	01H	Spanish: Cult CLAC: SPAN! Monday		4:30 PM	5:30 PM		1	1/9/12	4/16/12	\$399	In-class/onlin	Scheduled	ghiller		
23770	CLAC	550U	01H	Spanish: Cult CLAC: SPAN! Monday		4:30 PM	5:30 PM		1	1/9/12	4/16/12	\$478	In-class/onlin	Scheduled	ghiller		
23771	ECON	377U		1 Principles of PRINCIPLES Monday		6:30 PM	9:15 PM		3	1/9/12	4/28/12	\$1,197		Scheduled	jzinn		
23033	ECON	507U	01H	Labor Econo LABOR ECON Tuesday		6:30 PM	9:15 PM		3	1/10/12	4/17/12	\$1,434	In-class/onlin	Scheduled	xshuai		
20041	EDUC	475U		1 Student Teac STUDNT TEA TBD					12	1/9/12	4/28/12	\$4,200	TLP majors	o Scheduled	twheeler		
20042	EDUC	477U		1 Student Teac STUDENT TEA TBD					12	1/9/12	4/28/12	\$4,200	TLP majors	o Scheduled	twheeler		
20043	EDUC	478U		1 Student Teac STUDNT TEA TBD					12	1/9/12	4/28/12	\$4,200	TLP majors	o Scheduled	twheeler		
20046	EDUC	485U		2 Student Teac STUDENT TEA Tuesday		4:30 PM	6:30 PM		2	1/9/12	4/28/12	\$798	TLP majors	o Scheduled	twheeler		
22094	EDUC	485U		3 Student Teac STUDENT TEA Thursday		4:30 PM	6:30 PM		2	1/9/12	4/28/12	\$798	TLP majors	o Scheduled	twheeler		
22046	EDUC	500U	R01	Foundations FOUNDATIOI Online					3	1/17/12	4/28/12	\$759	Online	Scheduled	ddance2		
23046	EDUC	500U	R02	Foundations FOUNDATIOI Wednesday		4:30 PM	7:10 PM		3	1/17/12	4/28/12	\$759		Scheduled	bfellows		
22090	EDUC	506U		1 Integrated Ci INTEGRATED Monday		6:00 PM	8:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	pstohru		
22092	EDUC	506U		2 Integrated Ci INTEGRATED Wednesday		4:00 PM	6:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	pstohru		
20048	EDUC	510U		1 Secondary Ci SECONDARY Tuesday		7:00 PM	9:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	jlanham		
20050	EDUC	517U		1 Foundations FOUND OF T Monday		7:00 PM	9:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	lgilliam		
20163	EDUC	517U		2 Foundations FOUND OF T Thursday		4:00 PM	6:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	sperry2		
20051	EDUC	518U		1 Diverse Lear DIVERSE LEA Tuesday		4:00 PM	6:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	pburgess		
20052	EDUC	518U		2 Diverse Lear DIVERSE LEA Thursday		6:00 PM	8:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	sheilla.ash		
20053	EDUC	524U		1 The Teaching TCHNG OF RI Wednesday		7:00 PM	9:40 PM		3	1/11/12	4/28/12	\$1,434	TLP majors	o Scheduled	tmilby		
22688	EDUC	526U		1 The Teaching TCHNG OF RI Wednesday		4:00 PM	6:40 PM		3	1/11/12	1/11/12	\$1,434	TLP majors	o Scheduled	tmilby		
20055	EDUC	527U		1 The Teaching THE TEACHIN Tuesday		6:00 PM	8:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	pstohru		
20057	EDUC	538U		1 Instructional INSTRUCTIOI Monday		6:00 PM	8:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled			
20060	EDUC	550U		1 Content Area CONTENT AP Monday		4:30 PM	7:10 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	jrichar4		
22691	EDUC	550U	R01	Content Area CONTENT AP Wednesday		4:30 PM	7:10 PM		3	1/17/12	4/28/12	\$759		Scheduled	mmassie		
22692	EDUC	555U	R01	Curriculum f CURRIC FOR Online					3	1/17/12	4/28/12	\$759	Online	Scheduled	medinger		
20061	EDUC	558U		1 Classroom ar CLASSROOM Wednesday		4:30 PM	7:10 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	whall		
22109	EDUC	558U		2 Classroom ar CLASSROOM Thursday		7:00 PM	9:40 PM		3	1/9/12	4/28/12	\$1,434	TLP majors	o Scheduled	wrobbins3		
20073	EDUC	558U	R03	Classroom ar CLASSROOM Tuesday		5:00 PM	7:40 PM		3	1/17/12	4/28/12	\$759		Scheduled	kthomas		
23420	EDUC	563U	R01	Social and Er SOC/EMOT I Online					3	1/17/12	4/28/12	\$759	Online	Scheduled	medinger		
22111	EDUC	565U	R01	Foundations FNDS/LEGAL Online					3	1/17/12	4/28/12	\$759	Online	Scheduled	pburgess		
23418	EDUC	566U	R01	Response to RESPONSE Ti Online					3	1/17/12	4/28/12	\$759	Online	Scheduled	earmbrus		
22024	EDUC	575U		1 Student Teac STUDENT TEA TBD					12	1/9/12	4/28/12	\$4,900	TLP majors	o Scheduled	twheeler		
22025	EDUC	577U		1 Student Teac STUDENT TEA TBD					12	1/9/12	4/28/12	\$4,900	TLP majors	o Scheduled	twheeler		
22026	EDUC	578U		1 Student Teac STUDENT TEA TBD					12	1/9/12	4/28/12	\$4,900	TLP majors	o Scheduled	twheeler		
22027	EDUC	585U		1 Student Teac STUDENT TEA Monday		4:30 PM	6:30 PM		2	1/9/12	4/28/12	\$956	TLP majors	o Scheduled	chall		
22028	EDUC	585U		2 Student Teac STUDENT TEA Tuesday		4:30 PM	6:30 PM		2	1/9/12	4/28/12	\$956	TLP majors	o Scheduled	twheeler		
22095	EDUC	585U		3 Student Teac STUDENT TEA Thursday		4:30 PM	6:30 PM		2	1/9/12	4/28/12	\$956	TLP majors	o Scheduled	twheeler		
23417	EDUC	598U	R01	ST: Tools for ST: TOOLS FC Tuesday		4:30 PM	7:10 PM		3	1/17/12	4/28/12	\$759		Scheduled	dburgess		
23419	EDUC	598U	R02	ST: Curriculu ST:CURR DEV Wednesday		4:00 PM	6:40 PM		3	1/17/12	4/28/12	\$759		New	lkuti		
23421	EDUC	598U	R03	ST: Successfu ST:SCSSFL T Thursday		4:30 PM	7:10 PM		3	1/17/12	4/28/12	\$759		Scheduled	pwest		
23422	EDUC	598U	R04	ST: Cracking ST:CRACKING Online					3	1/17/12	4/28/12	\$759	Online	Scheduled	bthursto		
23423	EDUC	598U	R05	ST: Geograph ST: GEOGRAFI Tuesday		5:00 PM	7:40 PM		3	1/17/12	4/28/12	\$759	Jan 17, 24 se	New			
23424	EDUC	598U	R06	ST: Using Drz ST: USING DI Online					3	1/17/12	4/28/12	\$759	Online	New	rflynn2		
23425	EDUC	598U	R07	ST: Intention ST: INTENTIC Monday		5:30 PM	8:10 PM		3	1/17/12	4/28/12	\$759		Scheduled	sheilla.ash		
23426	EDUC	598U	R08	ST: Young Ad ST: YOUNG A Wednesday		4:30 PM	7:10 PM		3	2/1/12	3/28/12	\$759	In-class/onlin	Scheduled	aleeper		
23427	EDUC	598U	R09	ST: Teaching ST:TEACH & Wednesday		5:00 PM	7:40 PM		3	1/17/12	4/28/12	\$759		Scheduled	kwarren		
23428	EDUC	598U	R10	ST: Cross Cul ST: CROSS CL Thursday		4:00 PM	6:40 PM		3	1/17/12	4/28/12	\$759		Scheduled	kburnes		
23429	EDUC	598U	R11	ST: Praxis IP ST:PRAXIS I F Thursday		5:30 PM	8:10 PM		3	1/19/12	4/26/12	\$759	In-class/onlin	New	chall		
23772	EDUC	598U	R12	ST: Assessme ST: ASSESS & Wednesday		5:30 PM	7:10 PM		3	1/17/12	4/28/12	\$759		Scheduled	kbunting		
23773	EDUC	598U	R13	ST: Children' ST: CHILDRE! Thursday		5:30 PM	7:10 PM		3	1/17/12	4/28/12	\$759		New	aleeper		

Preparing Schedule data for XML ingestions (Phase one)



CSV → XML → Data Definition

- General Rules
- Registrar office will provide data pull (the data is a file delimited with '>'). And then save the data as CSV file
- Identify Regular Schedules (repeat week to week)
- Identify Irregular Schedules (classes are not held on a regular schedule)

Evening Class Cascade XML Output

```
- <course assetid="0aefbb0ac1c04197a01ff7e1e19be79" createdby="aareki" datasource="cascade"
displaydate="2014-08-26T20:31:49Z" lastmodifiedby="dhocutt" lastpublisheddate="2014-08-26T20:31:49Z"
lastupdate="2013-12-16T20:20:50Z" pagestatus="">
  <courseLevel>209U</courseLevel>
  <selectedTopics>False</selectedTopics>
  <crs_status>Scheduled</crs_status>
  <crs_active>Yes</crs_active>
  <crs_dept>Art</crs_dept>
  <crs_subj>ART</crs_subj>
  <crs_nmbr>209U</crs_nmbr>
  <crs_title/>
  <crs_crn>24076</crs_crn>
  <reg_title>PHOTOGRAPHY AS ART</reg_title>
- <crs_days>
  - <crs_day>
    <dow>Saturday</dow>
    <time_start>09:00:00</time_start>
    <time_end>14:30:00</time_end>
    <session_date_start>2014-01-18</session_date_start>
    <session_date_end>2014-01-18</session_date_end>
  </crs_day>
  - <crs_day>
    <dow>Saturday</dow>
    <time_start>09:00:00</time_start>
    <time_end>14:30:00</time_end>
    <session_date_start>2014-02-01</session_date_start>
    <session_date_end>2014-02-01</session_date_end>
  </crs_day>
+ <crs_day></crs_day>
+ <crs_day></crs_day>
+ <crs_day></crs_day>
+ <crs_day></crs_day>
+ <crs_day></crs_day>
</crs_days>
```

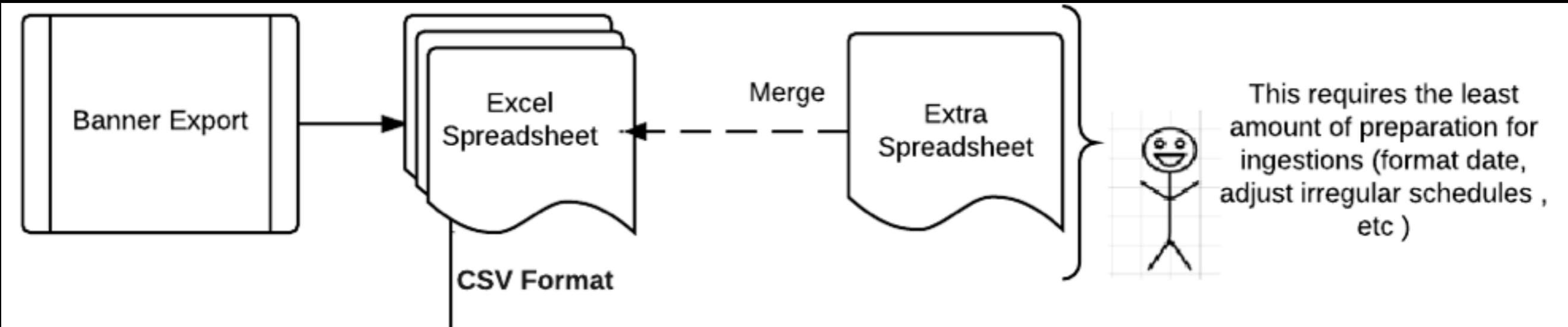
Irregular Schedules



Evening Class Cascade XML Output

```
+ <crs_day></crs_day>
+ <crs_day></crs_day>
+ <crs_day></crs_day>
+ <crs_day></crs_day>
+ <crs_day></crs_day>
</crs_days>
- <date>
  <datestart>2014-01-132014-05-03</datestart>
  <dateend>2014-01-132014-05-03</dateend>
</date>
<crs_sect>1</crs_sect>
<sched_note/>
<crs_hrs>3</crs_hrs>
<crs_fee>$1,290 </crs_fee>
- <faculty>
  - <crs_instructor>
    <inst_first>John</inst_first>
    <inst_last>Alley</inst_last>
    <inst_netid>jalley</inst_netid>
  </crs_instructor>
</faculty>
<crs_loc/>
<st_flag>FALSE</st_flag>
<crs_term/>
<term>201320</term>
<st_crs_desc/>
<crs_gened/>
- <topics>
  <crs_topic>Alumni ProDev</crs_topic>
</topics>
<crs_term/>
<crs_campus>SCS</crs_campus>
<crs_pterm>U</crs_pterm>
</course>
```

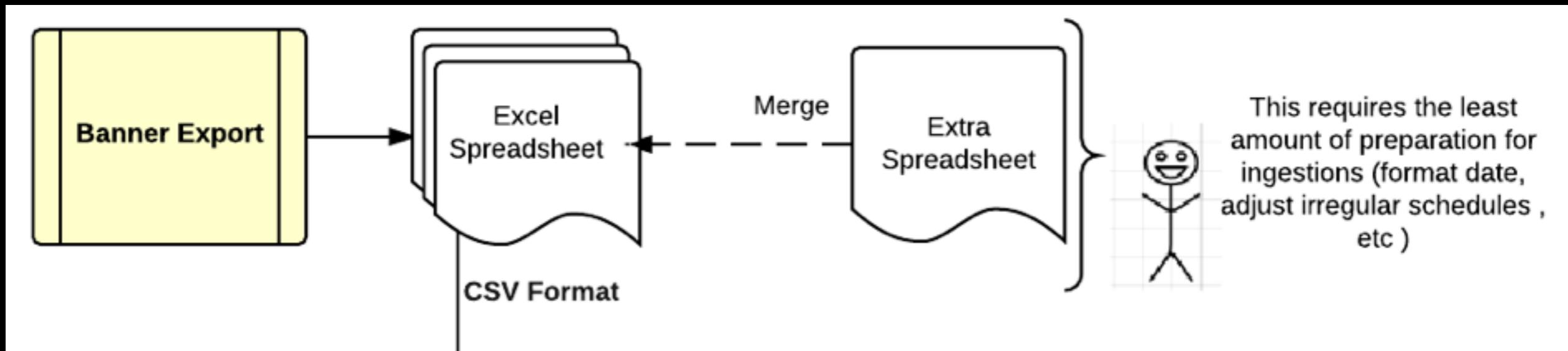
Preparing Schedule data for XML ingestions (Phase one)



CSV → XML → Data Definition

- Column Rules
- Date Fields Format: YYYY-MM-DD
- Time Fields Format: HH-MM-SS
- Adjust/Change *session_bldg*, *session_room*, *session_date_start*, *session_date_end*

Preparing Schedule data for XML ingestions (Phase one)



CSV → XML → Data Definition

- Row Rules
 - Each row must have only one CRN
 - If there are more than one row of the same CRN, combine them into one row (there are few classes with the same CRN offer on different days)
 - Delete if there is empty row

Evening Class Cascade Data Definitions

Data Definitions / CATALOG-coursesSchedules / EVENING-SCHEDULE-COURSES

View Edit Move/Rename Copy Access Subscribers Delete
Preview XML Properties

EVENING-SCHEDULE-COURSES

Course Information

Selected Topics: True False
Course Status: Scheduled New Canceled Revised
Course Active: Yes No
Course Department:
Course Subject:
Course Number:
Title:
Course CRN:
Regular Title:

Course Information » Course days

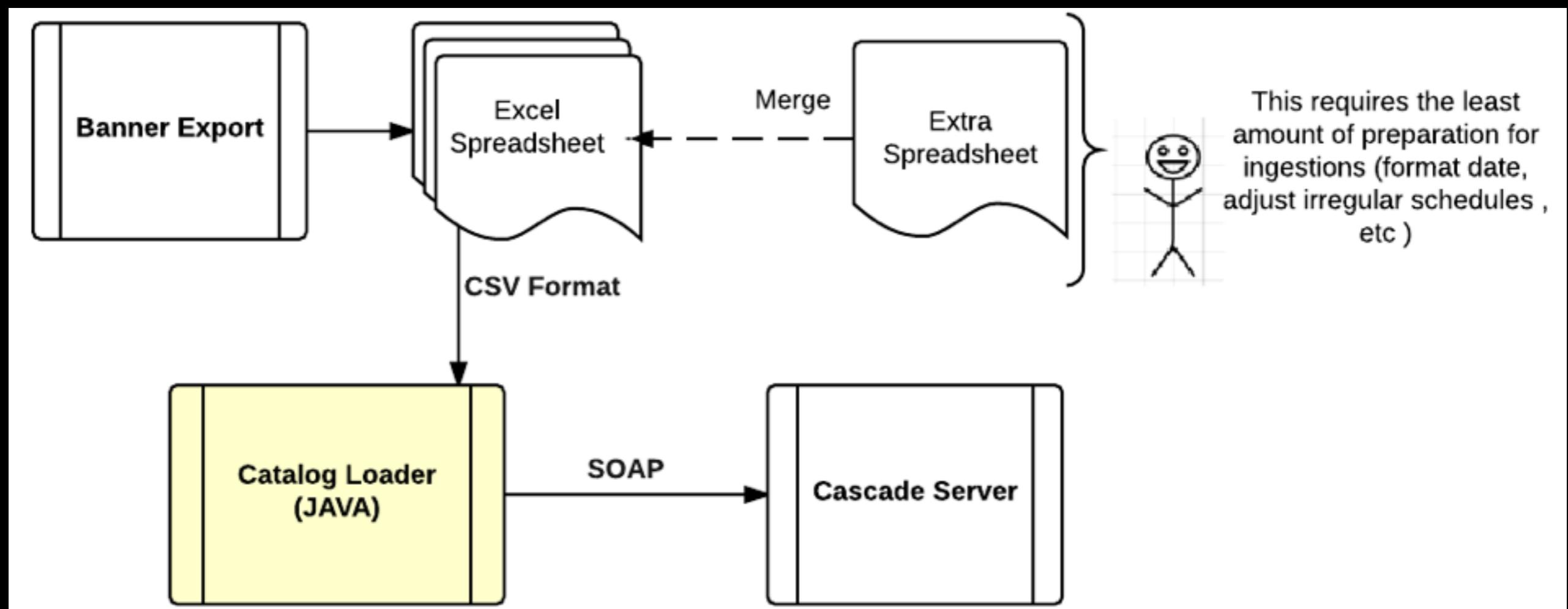
Course Information » Course days » Course day

+
Course Day of week:
Time Start:
Time End:
Session Date Start:
Session Date End:
Session Location:

Course Information » Course Date

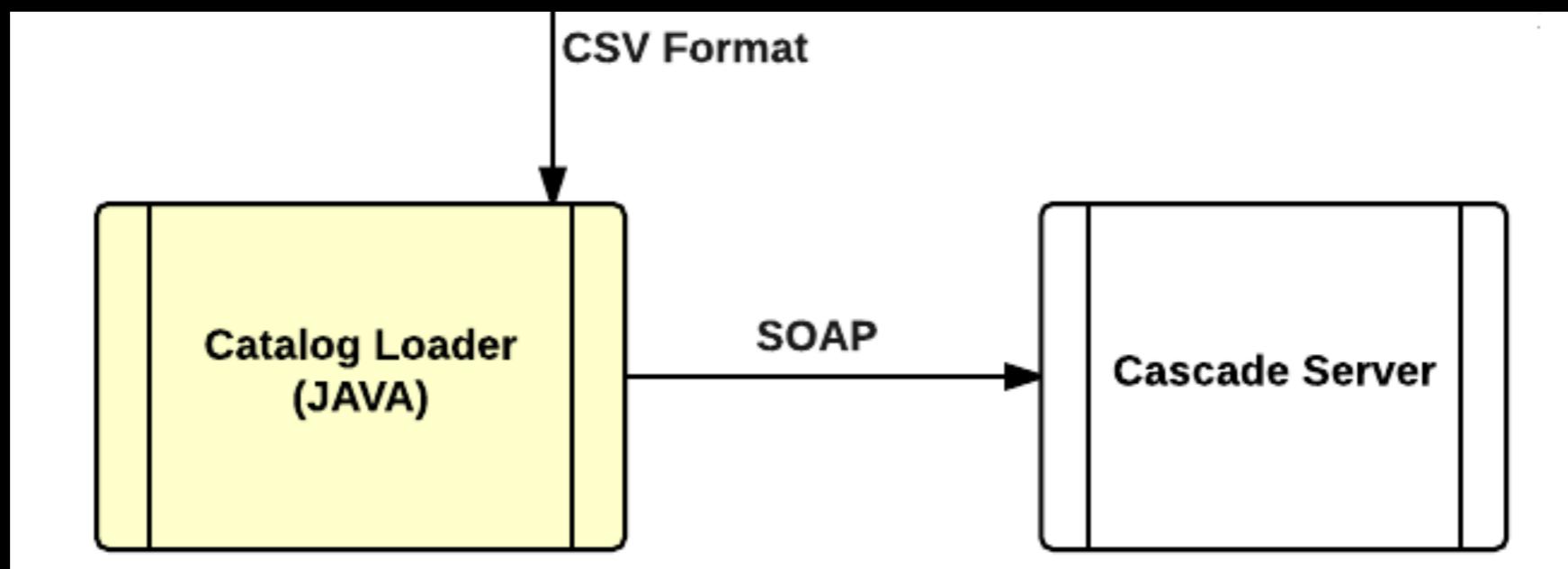
Date Start:
Date End:
Schedule Note:
Course Hours:
Course Fee:

Course & Schedule Importer (Java Web Services) (Phase two)



CSV → XML → Data Definition

Course & Schedule Importer (Java Web Services) (Phase two)



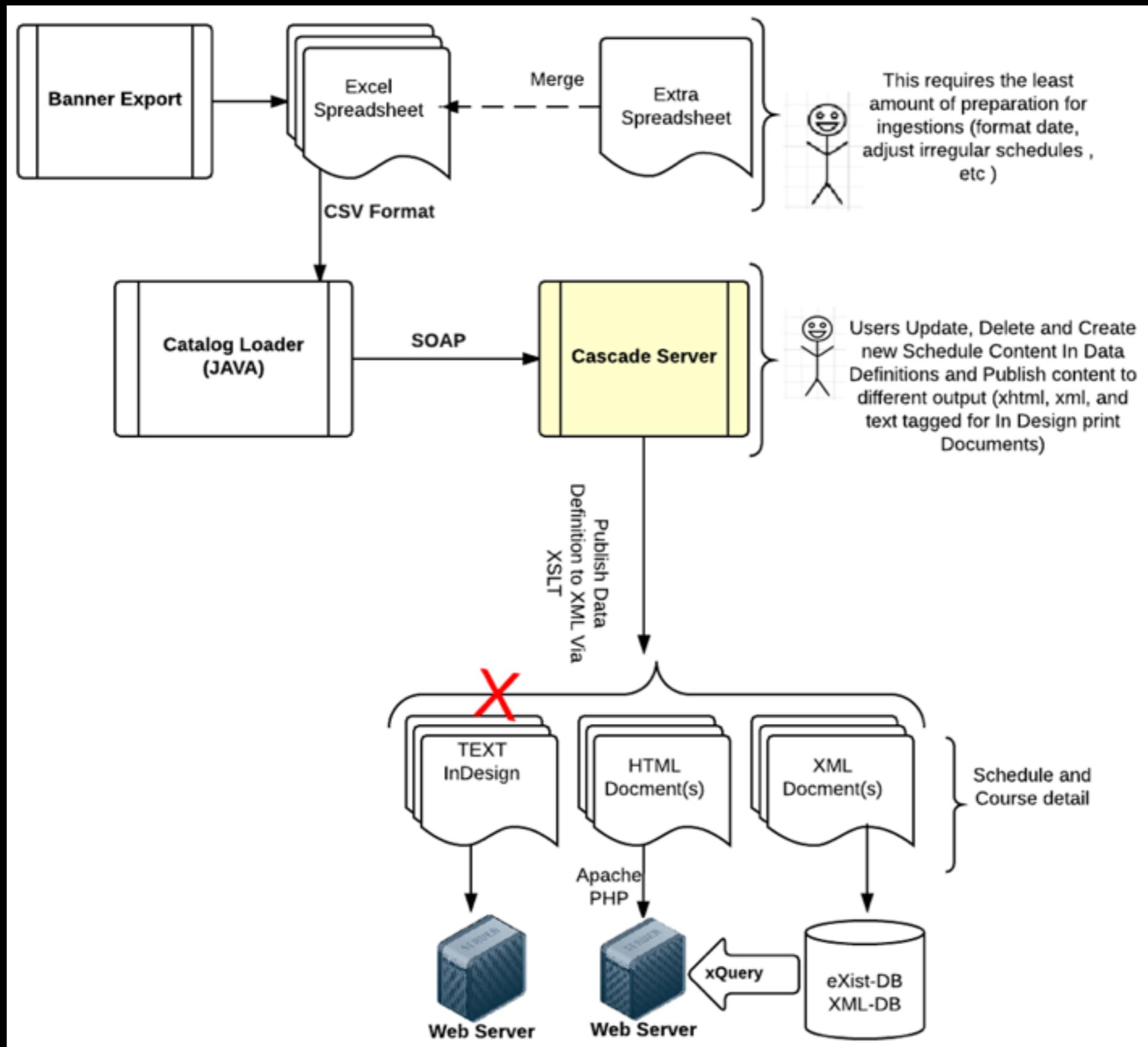
CSV → XML → Data Definition

- Testing & learning - <https://github.com/hannonhill/Webservices-PHP-Sample-Project>
 - WSDL (*Web Services Description Language*)
 - SOAP (Simple Object Access Protocol) request/response
- Communicate Bradley Wagner on Web Services Java Sample Project - <https://github.com/hannonhill/Webservices-Java-Sample-Project> (WSDL, IDE - Installation of Eclipse, Maven, Git) and configure our environment.
- Java Implementation - Creating Java Classes

Course & Schedule Importer (Java Web Services) (Phase two)

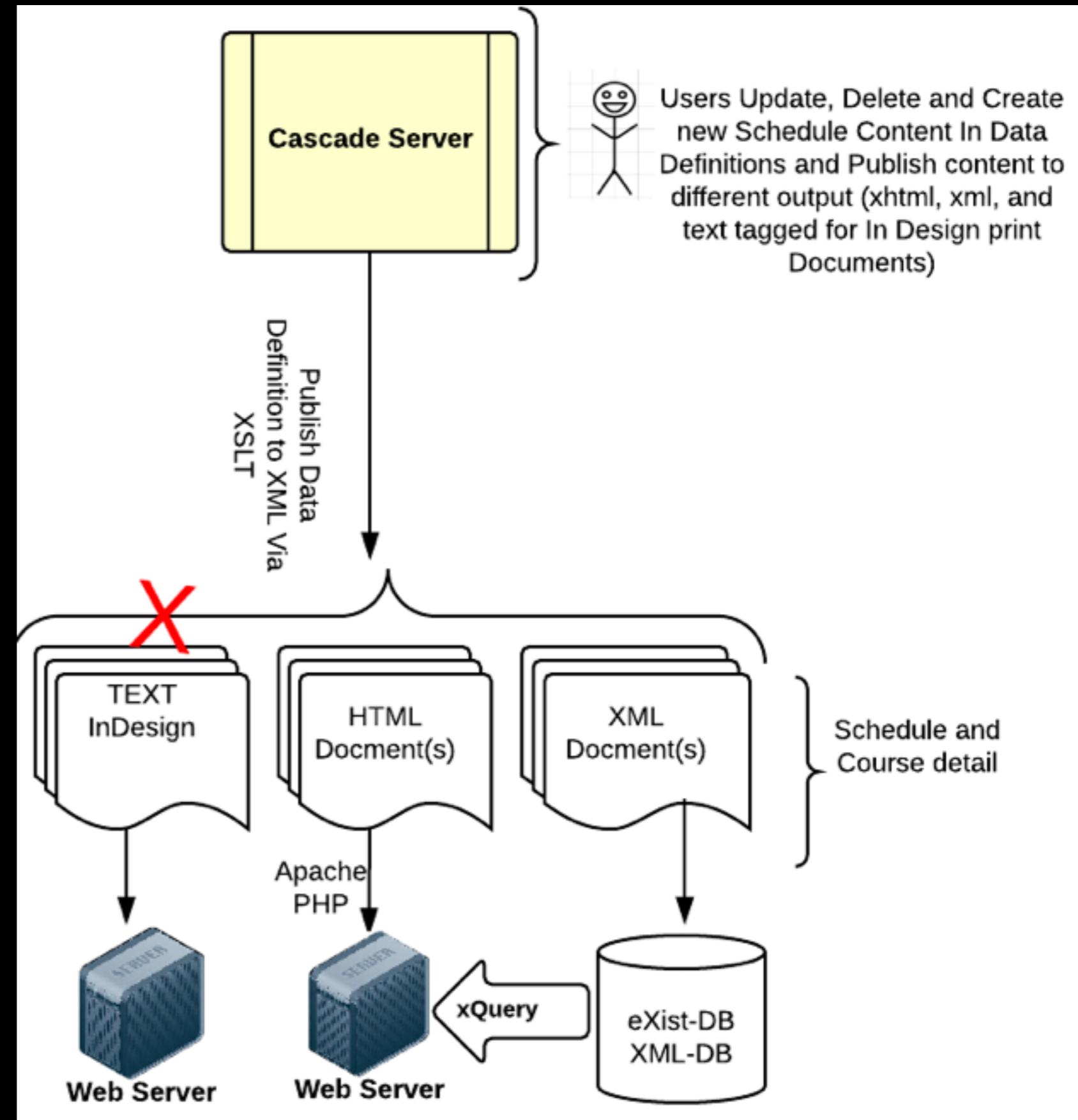
- Java Implementation (Creating Java Classes)
 - CourseAndScheduleImporter.java
 - ScheduleBean.java
 - ScheduleReadWorker.java
 - ScheduleWriter.java
 - ScheduleWriteWorker.java
 - CSIPanel.java

Managing Schedule Classes in Cascade (Phase Three)



Managing Schedule Classes in Cascade (Phase Three)

- Merging Schedule class with other content type (example - course catalog)
- Generate different output (Print xml for InDesign, html, xml, etc)
- Versioning



Example: Versioning Course - ADED301U

Data Definitions / CATALOG-coursesSchedules / EVENING-ALL-COURSES

View Edit Move/Rename Copy Access Subscribers Delete

Preview XML Properties

EVENING-ALL-COURSES

Course Information

Course Information » Academic Year Version Control

Course Schedule * 201130 :
(Term)

Is Default Yes No

Selected Topics True False

Course Department *

Course Subject *

Course Number *

Title *

Description

Notes

Prerequisites

Hours

Editor's Comments/Notes

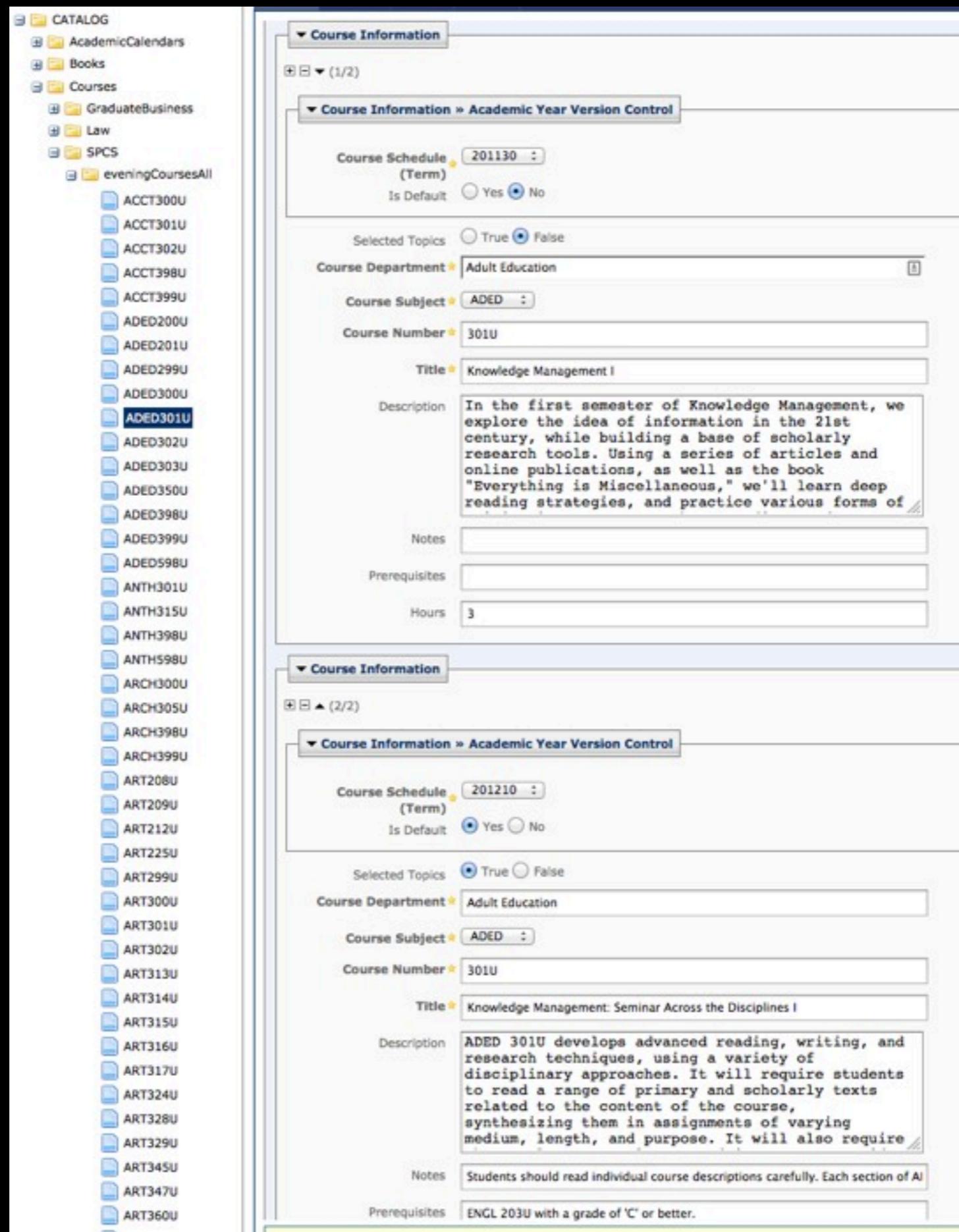
Special Notes

Comment

DON'T Publish After 12 : 00 : AM :

ONLY Publish After 12 : 00 : AM :

Example: Versioning Course - ADED301U



The screenshot displays a course management interface with a sidebar navigation and two main content panels for different academic years.

Left Sidebar (Catalog Tree):

- CATALOG
 - AcademicCalendars
 - Books
 - Courses
 - GraduateBusiness
 - Law
 - SPCS
 - eveningCoursesAll
 - ACCT300U
 - ACCT301U
 - ACCT302U
 - ACCT398U
 - ACCT399U
 - ADED200U
 - ADED201U
 - ADED299U
 - ADED300U
 - ADED301U**
 - ADED302U
 - ADED303U
 - ADED350U
 - ADED398U
 - ADED399U
 - ADED598U
 - ANTH301U
 - ANTH315U
 - ANTH398U
 - ANTH598U
 - ARCH300U
 - ARCH305U
 - ARCH398U
 - ARCH399U
 - ART208U
 - ART209U
 - ART212U
 - ART225U
 - ART299U
 - ART300U
 - ART301U
 - ART302U
 - ART313U
 - ART314U
 - ART315U
 - ART316U
 - ART317U
 - ART324U
 - ART328U
 - ART329U
 - ART345U
 - ART347U
 - ART360U

Example: Versioning Course - ADED301U

The screenshot shows a software interface for managing course information. On the left is a tree view of a catalog structure under 'CATALOG'. Courses are expanded to show individual course offerings like ACCT300U, ACCT301U, etc. The course 'ADED301U' is selected and highlighted with a blue border. The main panel displays detailed course information for 'ADED301U'.

Course Schedule : (Term) 201130 [No]

Selected Topic: False
Department: Adult Education
Subject: ADED
Course Number: 301U
Course Title: Knowledge Management I

Course Description: In the first semester of Knowledge Management, we explore the idea of information in the 21st century, while building a base of scholarly research tools. Using a series of articles and online publications, as well as the book "Everything is Miscellaneous," we'll learn deep reading strategies, and practice various forms of writing in response to these readings and our class discussion. We'll break down the process of scholarly communication, and see where we fit.

Course Prerequisites:
Course Notes:
Number of Credits: 3
Topics or tagging:
 Gen Ed
Requirement:
Approval Date:

Course Schedule : (Term) 201210 [Yes]

Selected Topic: True
Department: Adult Education
Subject: ADED
Course Number: 301U
Course Title: Knowledge Management: Seminar Across the Disciplines I

Course Description: ADED 301U develops advanced reading, writing, and research techniques, using a variety of disciplinary approaches. It will require students to read a range of primary and scholarly texts related to the content of the course, synthesizing them in assignments of varying medium, length, and purpose. It will also require them to locate, evaluate, and incorporate a wide range of research sources. Explicit writing instruction will be central to the course.

Course ENGL 203U with a grade of 'C' or better.
Prerequisites:
Course Notes: Students should read individual course descriptions carefully. Each section of ADED 301U will adopt different themes and disciplinary perspectives.

Number of Credits: 3
Topics or tagging:
 Gen Ed
Requirement:
Approval Date:

Editor's Comments: 7/25 Revised prereq per Kristen Ball's response 7/23
Revised prereq per Erik's Jul 20 email 7/3 Added
complete prereq per Erik's Apr 9 email

Example: Versioning Course - ADED301U

SCHEDULES

- lawCatalog
- spcsCatalog
 - evening
 - books
 - booksARCHIVES
 - scheduleAll
 - fall2012-201210
 - ADED200U-1388
 - ADED201U-1165
 - ADED300U-1174
 - ADED301U-1434**
 - ADED301U-1459
 - ANTH398U-1428
 - ANTH598U-1430
 - ART208U-13875
 - ART347U-14293
 - ART398U-14482
 - ART547U-14586
 - ARTS105U-13878
 - BIO1301U-13879
 - CLAC250U-14322
 - CLAC250U-14324
 - CLAC550U-14323
 - ECON507U-12464
 - EDUC500U-14251
 - EDUC506U-1255
 - EDUC506U-1255
 - EDUC517U-1175
 - EDUC517U-1175
 - EDUC518U-1175
 - EDUC518U-1175
 - EDUC524U-11801
 - EDUC524U-14611
 - EDUC526U-13171
 - EDUC526U-14491
 - EDUC527U-11801
 - EDUC538U-11801
 - EDUC538U-14531
 - EDUC542U-14251
 - EDUC543U-14251
 - EDUC544U-14521
 - EDUC544U-14521
 - EDUC550U-13231
 - EDUC550U-14251
 - EDUC552U-14521
 - EDUC555U-14261
 - EDUC558U-11751
 - EDUC558U-11751
 - EDUC562U-14261
 - EDUC565U-14261
 - EDUC566U-14261
 - EDUC568U-14481

/SCHEDULES/spcsCatalog/evening/scheduleAll/fall2012-201210/ADED301U-14348

View Edit Move/Rename Copy Publish More >

Content Metadata System Outputs

EVENING-SCHEDULE-COURSES

Course Information

Selected Topics True False

Course Status Scheduled New Canceled Revised

Course Active Yes No

Course Department: Adult Education

Course Subject: ADED

Course Number: 301U

Title:

Course CRN: 14348

Regular Title: KNOWL MGMT SEM ACROSS DISCP I

Course Information » Course days

Course Information » Course days » Course day

Course Information » Course Date

Schedule Note:

Course Hours: 3

Course Fee: \$1,257

Course Information » Course Instructor(s)

Course Information » Course Instructor(s) » Course Instructor

First: Ellen

Last: Walk

Netid: ewalk

Section: 1

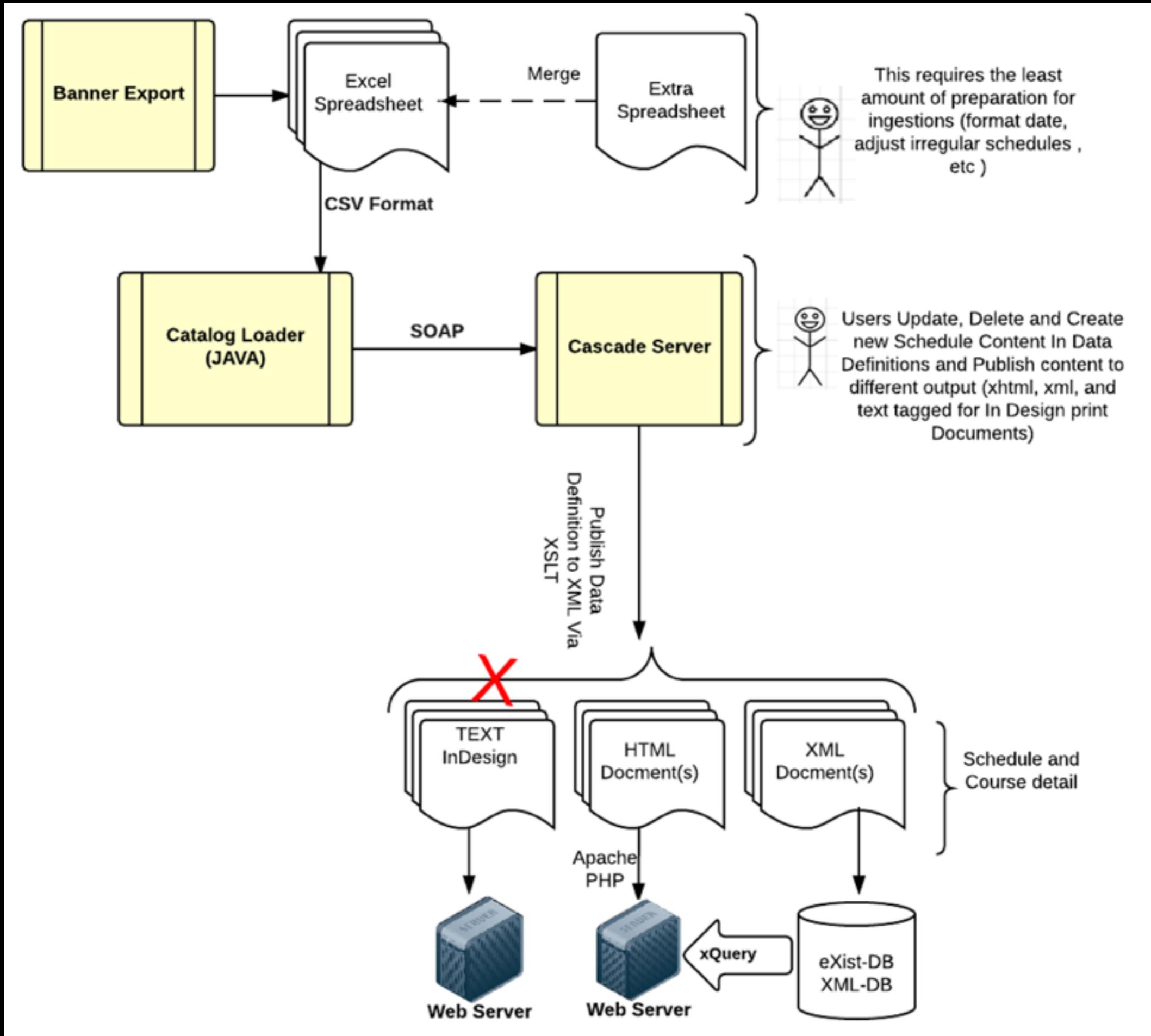
Location:

School Division/Flag: No

Term: 201210

School Course Description:

Ingesting Banner output Schedule classes into Cascade - Workflow



Ingesting Banner Schedule into Cascade Server

** Demo **

Ingesting Banner Schedule into Cascade Success

- Relevant, Timely Single-Source Content
- Strong UI emphasis: multiplatform, accessible
- Wayfinding and navigation improvements
- Make content discovery easy!

Ingesting Banner Schedule into Cascade Success

- Support our factory model!
- Deliver targeted content to the users!
- Cost Savings (\$\$\$)

Ingesting Banner Schedule into Cascade Testimony ..

Ingesting Banner Schedule into Cascade Testimony ..

“Shifting from MySQL data managed in PHP myAdmin to XML data managed in Cascade enabled us to build a robust, native search interface for schedule data. This, in turn, made schedules much easier for the end user to search, ultimately resulting in greater satisfaction with the online schedule. As a result of this increased satisfaction with our online schedules, we were able to eliminate our print schedule entirely.”

Daniel Hocutt - SPCS Web Manager

Ingesting Banner Schedule into Cascade Testimony ..

Ingesting Banner Schedule into Cascade Testimony ..

“The cost savings for eliminating three print schedules (Fall, Spring, and Summer) was significant; eliminating labor costs for preparing data for print and laying out the print publication increases the savings. And using SOAP ingest procedure significantly reduces the labor required to prepare Excel data from Banner for ingestion into XML. Overall cost savings on an annual basis are calculated in the tens of thousands of dollars.”

Daniel Hocutt - SPCS Web Manager

Resources

- Web Services - <http://www.hannonhill.com/kb/Web-Services/>
- How to create a Data Definition asset from HH Web Services examples project in Java - <https://github.com/hannonhill/Cascade-Web-Services-Examples/blob/master/java/hannonhill-test-cases/TestStructuredData.java#L34>
- Sample Project Cascade's SOAP web services in PHP - <https://github.com/hannonhill/Webservices-PHP-Sample-Project>
- A sample Java Project to get started with the Cascade SOAP Web Services - <https://github.com/hannonhill/Webservices-Java-Sample-Project>

Contact Info

Alem Areki

aareki@richmond.edu
info@areki.net

804-289-8899

@aareki

I will be posting supporting material in the Hannon Hill site in the coming weeks.