













This morning, the Tech Team released version YSM TECH 2017.50, which covers software development work completed over the past week.

Yale Medicine Website and Editing







Below is a list of updates that were made to YaleMedicine.org, along with the YM Publishing Tool used to edit condition articles, feature stories, and doctor bios:

Type	Title	Description	Category
	Incorrect error code reported for Concept Articles that haven't yet been published in SDL	Return 404 instead of 500 error if content is not published in SDL for Concept Article.	YM Website
	Limit "Related Doctors" to five with "view more"	To reduce clutter in the side column, limit "Related Doctors" to display up to five (instead of the 10 that currently display) and add a "View More" button to see the complete list.	YM Website
	Update age group labels on condition articles	Updated age group labels on condition articles to a friendlier phrase. In addition, we merged "child" and "adolescent" into "children" and changed "geriatrics" to "older adults". In the next release, we will make this statement lowercase.	YM Website
	If a Doctor's professional service starts and ends in the same year, display "(2017)" instead of "(2017 - 2017)"	If an activity was only one year, we changed the output to display the year only once. For example, "2017" instead of "2017-2017".	YM Website
	Implement history and redirect mechanism for slugs in YM app	Update the YM Website Application so that if a user changes a slug, the website will direct traffic to the old and new URL. We will display the history in  TECH-3215 Selected for Development in the next release.	YM Website
	Story Type changes from Slideshow to Video when re-saving	The presence of slideshow content will now force the Type of a Story to be correctly set to Slideshow.	YM Publishing Tool (YMS)

Type	Title	Description	Category
	Exclude inactive users from Related Doctors algorithm results	Inactive doctors were occasionally displayed as Related Doctors.	YM Publishing Tool (YMS)
	Restore deleted YM Concept Article	Restored a concept article that was deleted: "Interventional Radiology Treatments for Liver Cancer."	YM Publishing Tool (YMS)
	Sync YMS database with SDL to populate Hero types	Sync Hero type between SDL and YMS database so that we can add a filter for the Production and Content teams to view reports of content that needs hero images.	YM Publishing Tool (YMS), YMS DB
	Store Hero type in YMS database	Store information about Article Hero type in YMS database.	YM Publishing Tool (YMS), YMS DB
	Add Joe Piccirillo to Kyruus import emails	Add the new managing editor for Yale Medicine to the monthly Kyruus import emails.	Notifications




School of Medicine Websites

Below is a list of updates made to the T3 YSM websites:







Type	Title	Description
	Vimeo/YouTube Component creates blank space	Vimeo videos were appearing as a blank space instead of embedding a video player.
	Weekly Digest external announcements	External news articles can be added to the Announcements that appear on email newsletters (like Weekly Digest).
	Configure CI for Templates project	Configured Continuous Integration for T3 project. This automates deployments to the development environment, and makes it much easier and faster to deploy updates to production.
	Create build definitions in VSTS for T3	Created build definitions and deployments steps in VSTS for each environment.
	Create vanity URL for P2med website	New DNS entry created with associated VUM rule for http://p2med.yale.edu added.
	Events linked in Weekly Digest do not display on site once they have passed	From the Weekly Digest email, when a link to an event that occurred in the past was clicked, the event details would not display.

News and People Profile System

Below is a list of updates made to the system used to edit profiles for people and organizations, along with news, events, and clinical trials:


Type	Title	Description
	Put API pages behind CAS	Secure the API (data feeds) help pages behind Yale CAS security to prevent unauthorized access.
	Lock down feeds using API Key	This task is to secure our data feeds (which were public) so that an API key is needed in order to access.
	Update Web API Proxy generator to use API key	After introducing API Keys mechanism for YMS Service Feeds we needed to update the generated proxy code to make it easier for Proxy users to use the feeds.



Event Calendar

Type	Title	Description
	Daily Calendar Email Notifications Not Sending	Users did not receive the daily "suggested event" email notification from December 7 - 12. This has been fixed.
	iCal feed returns all events regardless their status	Events that were only suggested or even rejected were appearing in iCal feeds for sharing YSM calendars.
	Enable non-US locations for calendar events	It is now possible to add a location outside of the United States to a calendar event.
	Add Option to reverse the order events are returned in the EventOccurrence list feed	Added sorting for lists of events that occurred in the past.
	Locations from Google for Non-Yale Location	Fields for entering a non-Yale location for a calendar event were too restrictive.
	Selecting RSVP contacts from Event Contacts is not clear	Improved the interface for adding RSVP contacts to calendar events.

Accessibility






Below is a list of updates made to websites and systems to meet WCAG A and AA accessibility standards:






Type	Title	Description	Category
	Create Site Map for dev.yalemedicine.org	Create site map for dev.yalemedicine.org to include only targeted pages for Site Improve to crawl for accessibility testing purposes.	YM Website

Type	Title	Description	Category
	"About Us" label in Organization sub-nav needs to be renamed for Accessibility	We already have the label "About Us" in the main nav, so we can't use that label again in the Organization sub-nav.	YM Website
	Fix "Online" link URL on Access MyChart page	Added aria-label to links where linked text was not specific enough for screen readers. This previously wasn't possible as they were stripped out by SDL.	YM Website

Infrastructure and Backend Systems



Much of the team's work is never seen, but important projects are ongoing to make sure our systems and websites are stable, highly available, and cost effective. We continue making major improvements to our infrastructure and work in this area will be ongoing into 2018.

Type	Title	Description
	Deploy new search index code into production	This work completes the globalization for the search indexes.
	Implement system to replicate indexed data to globally distributed indexes	This task takes the code developed for a concept and makes it ready for production release.
	Globalize Search Indexes	Our search indexes were served from a single location in the USA. This task was to create globally redundant search indexes to improve application reliability.
	Additional testing of Azure Failover Groups	<p>Functionality of Azure's geo-redundant databases is not clear given the lack of Microsoft documentation, so we performed a series of tests to make decisions on future architecture.</p> <p><i>Results:</i> We will stick with the geo-redundant feature but not the automatic failing over. Instead we will design our own failover mechanisms that are aligned with our needs given Microsoft's design does not meet our up-time requirements.</p>
	Investigate Dev environment setup for performance enhancement and cost reduction	<p>This task reviews the current development environment to consider changes to make it easier to test using tools that are not available in the current development environment.</p> <p><i>Result:</i> The development environment has too many dependencies in Azure to move to the development VM. Our best option is to move just the SQL database to the Dev environment for some testing that is tool specific.</p>


Type	Title	Description
	Diagram Traffic Managers and App Services in Azure	Diagrams are the best way to understand the systems architecture. This task updated old diagrams and included new ones as the final step in making significant changes over the past few months.
	Globalization Strategy Review	This is a review and discussion to determine what is complete and what is left to do along with testing strategies. <i>Results:</i> A new list of tickets has been generated to address finalizing the globalization strategy.
	SDL Test Environment setup	This added a new environment for SDL development that we can use without disrupting the work of the Minsk development team, whose work requires reliable SDL environments. Previously when we had to make changes, apply server patches and test, we had to interrupt their work and in some cases when patches or changes did not work, the disruption to their work could last for several days.
	Update connection strings for Geo-Redundant SQL Instances to use Failover Group	A connection string is a line of code used to create a connection from an application to a SQL database that includes the name of the server where SQL is located. Now that the databases are geo-redundant, we do not want to specify the string to use a server and instead we point it to a virtual group of servers that makeup the globally redundant data structure that is now in place.
	Complete data migration on SDL Test	Periodically we pull production data for SDL into development environments for testing, which is what this task completed.

New Projects


The team has begun work on the three new projects: **Media Library** (this will introduce streaming video and audio storage to the Profile System for people, organizations, news and events), **CV Builder** (to generate faculty CVs from the profile system), and a rebuild of the **Flyerboard**, the school's digital signage system. While these projects will not launch until 2018, below are a list of tasks the team completed this week:

Type	Title	Description	Project
	Flyerboard website not responding to touch on rise player	On a Rise Player managed touchscreen, touching links that should open a pop-up rarely worked.	TECH-2941 - Flyerboard
	Configure React routing	Configure client-side routing for the Signage project	TECH-2941 - Flyerboard

Key

 = Bug

 = New Feature

 = Task
