Digital Technologies Strategic Goals, 2017-18

1. Faculty and Student Services

- Work with Tech Services, Access Services, and ROS to migrate from Summon to EDS for Blacklight Discovery and easyArticle (Summer 2017)
- Work with Aeon Implementation Team to integrate Aeon with Blacklight Discovery and Classic Josiah (late Summer/early Fall 2017)
- Work with Tech Services, Access Services, and ROS to upgrade from III Millennium to III Sierra (Intersession 2018?)
- Work with the Discovery Group to monitor performance, gather and analyze usage data, conduct user testing, assess new functionality, and set development priorities for all Discovery platforms. Monitor development of new and emerging discovery platforms.
  - Josiah (Blacklight and Classic)
    - Develop equivalency for relevant Classic Josiah functionality not yet in Blacklight. Current priorities:
      - Make in-library reserves and OCRA online reserves discoverable in Blacklight (Fall 2017)
      - Improve Annex and other requesting options in Blacklight; (Fall 2017)
  - Brown Digital Repository
    - Develop a pilot project for full-text BDR searching
    - Expand support for research data collections (enable larger more diverse datasets) in the BDR. With ROS staff develop a new Research Data Hub
    - Expanded support for archival collections in the BDR. With Archives staff and the Digital Preservation Librarian, develop new interface designed for Archivists and the digital archiving workflow
- Build integrations that reduce the need for users to enter data in multiple systems and that automatically link related data
  - Link BDR dissertations to VIVO dissertation advisors and vice-versa
  - Work with DOF Faculty Activity Report (FAR) staff to push data to VIVO (Fall 2017)
  - Investigate using My NCBI to gather VIVO publications data (Fall 2017)
- Website
  - Migrate CMS from Drupal to WordPress
  - Work with Web Advisory Board to improve accountability for web content across the library
  - Conform to new campus web communication goals and requirements
- VIVO
- Reengineer and redesign the VIVO public interface and improve search functionality (Summer 2017)
- Actively curate data for “Research Areas” (Summer - Fall 2017)
- Create export tools for VIVO data beginning with a simple tool for re-use of VIVO data (Phase One) and, in future, customized export in multiple formats (Phase Two) and Export to CV and Biosketch (Phase Three) (Spring 2018)
  - Mellon Grant. Working with CDS and Mellon Grant staff, provide programming support for projects
    - Atalanta (Summer/Fall 2017)
    - Italian Shadows
  - Develop Access Strategies for Digital Preservation
    - We've spent a lot of time focusing on how to transfer, stabilize, and document digitized / born-digital material, but there are still unanswered questions regarding access. I want to make sure these new types of collections (email, websites, etc.) are fully integrated in our discoverability architecture.
  - Establish a pilot Software Consultation Service for students, faculty, and staff working on an academic or scholarly inquiry which requires coding. (Inspiration: http://library.gwu.edu/services/computers-wireless/coding)

2. Infrastructure
  - Complete migration of library.brown.edu (worf) to RHEL 7.x and remaining databases from MySQL 5.1 to MySQL 5.7 on CIS central database server
  - Move Windows VMs to CIS infrastructure
  - Complete migration to Windows 10 for staff
  - Begin planning for upgrade to PHP 7
  - Plan for upgrade from Python 2.x to 3.x
  - Investigate options and implement a web app vulnerability scanner
  - Select a pilot application to dockerize (FreeCite?)
  - Investigate implementing Puppet infrastructure
  - Reengineer OCRA in python/django
  - Refactor RIAMCO
  - Digital Preservation Librarian and BDR staff work with Archives staff on ArchivesSpace implementation.
  - Utilize software-checklist spreadsheet
  - Complete ongoing upgrades to Windows 10
  - Complete transfer of Windows computers to AD/SCCM
  - Establish better systematic back-ups for MACs
  - Develop a system/schedule to replace equipment in public, classroom, and shared spaces

3. Outreach, Training, Assessment
• Offer introductory sessions open to all library staff on DT tools: HTML, CSS, MySQL, PHP, Python/Django, III-F, WordPress, etc.
• In collaboration with others provide demos/training sessions for staff on DT projects (Blacklight, BDR, OCRA, VIVO, ORCID, etc)
• Post new developments and other relevant information to Digital Technologies blog
• Work with ROS +? To develop plans for increasing faculty use of the BDR, VIVO, and ORCID.
• Work with others to facilitate creation and use of a metrics dashboard and other analytic tools.
• Collect and report metrics on holdings and usage of the BDR
• Inventory, expose, and encourage community use of our open APIs (API Inventory)
• Approve Digital Preservation Policy Framework (Summer 2017)
• Assess digital preservation program’s scalability
  ○ So far our projects have been one-offs and mostly completed in an ad-hoc way. If this program is going to scale to the level of our peers, we will need to assess our current organizational chart. Having the policy framework will help guide these conversations and justify any changes we see fit.
• Establish Digital Preservation User Group
  ○ Informal group open Brown University staff
  ○ Could start with brown bag sessions about personal digital archiving and departmental records management
  ○ Depending on the workload of the to-be hired Assistant University Archivist, this could be a good project to collaborate on. Outreach is a part of that job description.
• Provide staff training for email encryption
• Reestablish LibTech open houses and/or training
• Participate in WWUT Now and CollegialiTea

4. Diversity and Inclusion
• Working idea document
• Working with the Library DIAP Group offer to host university DIAP documents in the BDR
• Support use of VPAT (Voluntary Product Accessibility Template) with library vendors and campus-wide
• Produce an internal values statement on accessibility. Add accessibility checks to all projects.
• Better utilize students on projects and expand mentorship opportunities.