

UC Libraries LTAG 2010 Projects List.xlsx

| Campus | Project Name | Project Description | Project Type | Status | Contact |
|--------|---|--|-------------------------|---------------|-----------------|
| UCLA | Build new OAI metadata harvester and service provider | Metadata harvester for the Sheet Music Consortium will be rebuilt to support both Dublin Core and MODS, user supplied metadata, metadata record downloads, thumbnail harvesting, OAI object reuse and exchange (ORE). | Application Development | Development | Stephen Davison |
| UCLA | Convert applications to campus Shibboleth authentication server | Convert public applications that use campus authentications from ISIS to Shibboleth: CLICC applications and DLP applications are being addressed jointly. | Application Development | Completed | Gary Thompson |
| UCLA | Create a List of EResources by Subject in our Web Space | As part of Serials Solution implementation, publish a web page showing recommended EResources by subject. Enable navigation through the list, and active links to the resources. | Application Development | Development | Gary Thompson |
| UCLA | Create Library Moodle Block | Create a block for the campus Moodle that links to library information and course-specific library resources. | Application Development | Completed | John Wang |
| UCLA | CSHN website: Digital Library Web Service. | The Center for the Study fo the History of Neuropsychopharmacology will develop the website that will act as a front end to the archive data that the Digital Library Program is managing. | Application Development | Development | Henry Chiong |
| UCLA | Develop dataset hosting service | Design a service where the library can host licensed dataset | Web Services | Specification | Stephen Davison |
| UCLA | Develop Research Commons (YRL) | In conjunction with the renovation of the 1st floor of YRL, the Research Commons will be developed to provide technology-enabled spaces for researchers to work. Planning underway, with end-user technology implementation to be scheduled as construction dates are developed. | Desktop Services | Development | Lisa Kemp Jones |

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| UCLA | Digital Signage for Research Library | As the YRL 1st floor is renovated, working with project managers and designers to implement digital signage, drawing on data the library has/collects in order to provide interesting and informative displays. | Service Desk | Development | Lisa Kemp Jones |
| UCLA | High-throughput digitization of Special Collections and Archives materials | Install Stokes scanning equipment (completed); test operation and workflow (in progress); and complete three of four collections (photographs, manuscripts). Develop ingest workflow and software for the Digital Library Collection System. | Application Development | Development | Stephen Davison |
| UCLA | Implement support for video in the Digital Library Collection System | Establish standards for preservation quality content, streaming to end users, download formats. Develop ingest mechanisms. Develop end user interfaces and incorporate into the generic Digital Library tools (staff, public). | Application Development | Development | Stephen Davidson |
| UCLA | Lab/Public Station Authentication | Updating outdated authentication system for students to log in to lab/public workstations. | Desktop Support | Development | Lisa Kemp Jones |
| UCLA | LabStor Investigation | Investigating LabStor, a collaborative multi-university service being developed to provide virtual computing lab services. Subscription being reviewed, and services/technology assessed. Potential replacement for Software Shortcut (Citrix) functionality. | Desktop Support | Specification | Lisa Kemp Jones |
| UCLA | Legacy Data Migration | Migrate legacy applications data into the Digital Library Collection System (DLCS). | Application Development | Development | Henry Chiong |

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| UCLA | Migrate audio and video streaming services from Helix to Flash | Install (completed) and test (in progress) Flash streaming software. Migrate all content from Helix to Flash server. Recode internal and external interfaces to content. | Application Development; Server Management | Development | Charlie Castro |
| UCLA | Migrate existing MediaWiki and WordPress to our standard platform | MediaWiki and WordPress were originally configured with apache, but can better support IIS for these services and so are making the switch. Also both packages will be upgraded. | Web | Complete | Gary Thompson |
| UCLA | Moving CLICC printing from billing system to BruinCard debit card | CLICC lab will be converted to use the BruinCard debit card system currently used by the library public stations. This will replace the billing-in-arrears system currently used for CLICC. | Equipment Installation | Beta Test | Lisa Kemp Jones |
| UCLA | Multilingual support in the Digital Library Collection System | Develop multilingual framework for the Digital Library Collection System. Implement multilingual support in Frontera Sound Recordings project (English, Spanish) and the Minasian Manuscript Collection (English, Arabic, Persian). | Application Development | Development | Stephen Davison |
| UCLA | Online payment for library services | Allow users to pay for fines, fees, and other library services using UCLA's CyberPay service. | Application Development | Development | Gary Thompson |
| UCLA | Outlook-to-Hours Project | Allow individual units to update hours using their Outlook calendars | Web Services | Concept | Gary Thompson |
| UCLA | Power Management software pilot (campus - Green IT Strike Team) | Test product as part of a campus-wide project to better manage power consumption by computing devices. | Desktop Services | Beta Test | Lisa Kemp Jones |

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| UCLA | Printer Support Policy Update | Review and propose end-user printer guidelines for staff. Investigate maintenance contracts, potential for outsourcing support. | Desktop Support | Development | Todd Grappone |
| UCLA | Remote Printing | Implementing a service where users can print to a library system from their own equipment and use the debit card system to pay for printouts. | Desktop Support | Development | Lisa Kemp Jones |
| UCLA | Replace Room/Resource Scheduling Software (IRMA) | Replace Meeting Room Manager with a different product. Driven by projected end-of-life for MRM, cost reduction, and some updated functionality. | Application Support | Implementation | Lisa Kemp Jones |
| UCLA | Reserves List Submittal Form | Create a web form where faculty can submit lists of material for reserves. Store lists in a staging database, and extract data for access service staff. | Application Development | Development | Gary Thompson |
| UCLA | Reserves List Web Application | Create a web app to allow the creation/review/deletion of lists of course items (print and electronic) that are currently available through the Library Reserves service | Application Development | Concept | Gary Thompson |
| UCLA | Software Shortcut update | Assessing current means of offering software remotely across campus (CLICC/library: Software Shortcut citrix service, SSC After Hours, SEAS remote access, etc.). Determining ideas for a campus-wide approach, including Software Central, OIT, etc. | Desktop Services | Concept | Lisa Kemp Jones |
| UCLA | Staff Workstation Update Strategy | Implement calendar for updating staff machines on a 5-year cycle (from 3 years), next large deployment is approx. 300 machines to be deployed in November, 2010 with Windows7. | Desktop Support | Development | Lisa Kemp Jones |

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| UCLA | Support Google Books scanning project | Extract records from Voyager to send to CDL. Scope to be determined, depending on how specifications develop. | Application Development | Production | Gary Thompson |
| UCLA | UCLA security policy 404 compliance | Gather data from all library staff on their use and retention of PII, identify any needs for staff to have PII, develop policies and sign-off for staff requiring this information, and develop encryption policies and practices. | Security Policy | Development | Todd Grappone |
| UCLA | Use Voyager for CLICC Laptop Lending | Migrating from a custom-developed system for laptop lending to using Voyager to achieve similar functionality. | Application Support | Specification | Lisa Kemp Jones |
| UCLA | Virtual Desktop Investigation #1 - Publics: Testing use of Ncomputing devices to share CPUs | Concept to share CPUs when feasible to provide lower-cost computing - specifically for public workstations and possibly student staff workstations. | Desktop Support? | Beta Test | Lisa Kemp Jones |
| UCLA | Virtual Desktop Investigation #2: Staff stations | Using VMware products to deliver desktop services effectively to staff. Completing investigation for feasibility and scope by August, 2010. Need to factor in to large computer replacement purchase planned for Winter 2010/2011. | Desktop Support | Concept | Lisa Kemp Jones |
| UCLA | Visual Inventory | Develop internal application for mapping and tracking workstation locations, linked with Footprints to streamline troubleshooting workflows, particularly with student staff. | Desktop Support | Beta Testing | Lisa Kemp Jones |
| UCLA | Web Site Redesign | Design and implement new Library web site | Web | Specification | John Wang |

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| UCLA | Windows 7 testing and implementation strategy | Testing Windows7 for the following environments: staff, public workstations, CLICC workstations, CLICC laptops. CLICC and publics will likely have a firm deadline for implementation (June, 2010) with staff stations more flexible and based on needs. | Desktop Support | Beta Test | Lisa Kemp Jones |
| UCLA | Zoomify integration with the Digital Library Collection System. | Zoomify allows you to deliver high-resolution images over the Web. | Application Development | Development | Henry Chiong |
| UCSD | BMC Service Desk Express - Work Order Implementation | Deploy BMC Service Desk Express 9 work order functionality. | Service Desk | In Progress | Bryan Kehr |
| UCSD | GIS Lab - Steady State Implementation | Implement MS Steady State to facilitate GIS Lab operations. Steady state is designed to insure that PC images are refreshed to their original state as needed. This system also provides enormous flexibility on the part of the lab manager to add and test | Desktop Support | In Progress | Tim Marconi |
| UCSD | Productivity Workstation Release 2 | Extend and refresh the Productivity Workstation model. Refreshed design is intended to replace 80% of the existing Infostations. | Desktop Support | Complete 11/09 | Bryan Kehr |
| UCSD | Server Rooms Renovation | Secure a climate-controlled room in the library for relocation and storage of production servers. | Data Center | Complete 10/09 | Ron Joyce |
| UCSD | System Center Config Manager Implementation | Design and Implement Microsoft's Systems Center Configuration Manager for maintaining the configuration properties of many different machines. Among other things, this will help in operation system and virus patches across the Libraries. | Desktop Support | In Progress | Bryan Kehr |

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| UCSD | Digital Asset Management System - Curator Access System v1 | Design and Implement a digital asset display system with access rights for curators | Development | In Progress | Rpbin Chandler |
| UCSD | Digital Asset Management System - Public Access System v2 | Design and Implement a digital asset display system with different access rights for local and public users | Development | In Progress | Rpbin Chandler |
| UCSD | Windows 7 Migration | This project involves the migration of all staff workstations from Windows XP to Windows 7. | Desktop Support | In Progress | Bryan Kehr |
| UCSD | LISN - Libraries Intranet | This intranet will replace web content currently on libnet and orpheus. It will be created within the Hannon Hill Content Management System. | Web | In Progress | Steve Wieda |
| UCSD | Bursar Billing Application | Convert old FoxPro Millennium patron fee data transformation and processing application to a web based application | Development | Completed 02/10 | Joy Sargis |
| UCSD | Electronic Invoices Billing Application | Convert old FoxPro Millennium electronic invoices data transformation and processing application to a web based application | Development | In Progress | Joy Sargis |
| UCSD | Relocation of Dev and some Prod machines to SDSC Colo | Moving 14 racks of equipment from various Libraries server rooms to the new SDSC colocation facility. | Data Center | In Progress | Ron Joyce |
| UCSD | Libraries Public Website - Design Makeover | Migrating the current Libraries public website to the new design created by campus/ACT. Due to the changes to the new design, this project will also involve a complete redesign of the homepage and location home pages. | Web | In Progress | Steve Wieda |
| UCSD | Public Computing Utilization Tracking | Create a system that tracks and reports usage of public computers using Microsoft System Center Operations Manage. | Desktop Services | In Progress | Tim Marconi |

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| UCSD | Libraries Public Website - Mobile | Offer the UCSD Libraries to mobile devices using the Hannon Hill Cascade Server CMS. | Web | In Progress | Steve Wieda |
| UCSD | Digital Audio Reserves Management Application v3 | Add features and stability to the web based application that manages the digital audio reserves collection. | Development | In Progress | Robin Chandler |
| UCB | LHRs | Submit local holdings records to OCLC | Development | In Progress | Lynne Grigsby |
| UCB | Millennium/Oskicat/ERMS | Enhancements, record loads, exports, automation, etc. | Development | | |
| UCB | Millennium single sign on | Allowing UCB faculty, staff, students to log into Oskicat using CalNet authentication | Development | In Progress | Lynne Grigsby |
| UCB | NRLF ZAP/NGM/OCLC | Add ZAP symbol in OCLC for NRLF records | Development | In Progress | Lynne Grigsby |
| UCB | Single Sign On for OskiCat | Implement Single Sign On (SSO)/CalNet authentication to OskiCat | Development | In Progress | Lynne Grigsby |
| UCB | Online payment for Library charges | Allow payment via Millennium and Payflow | Development | Waiting on Millennium upgrade (Fall) | Lynne Grigsby |
| UCB | LBS Forms Online | Moving business and HR forms to online system to manage authorizations and attachments. | Development | On hold due to other priorities | Lynne Grigsby |
| UCB | Data Rescue | Move multiple digital projects database into our digital object content management system (webGenDB) | Digital Projects | In Progress | Lynne Grigsby |
| UCB | Digital Projects | Manage multiple digital project, e.g., city arts & lectures; metcalf; ritz; irle; war posters; etc | Digital Projects | In Progress | Lynne Grigsby |
| UCB | WebGenDB UI redesign | WebGenDB is our digital object content management system. We are revamping the interface after user interviews. | Digital Projects | Completed | Lynne Grigsby |

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| UCB | Task list | Develop application to manage multiple tasks lists providing multiple levels of authorization | Development | In Progress | Lynne Grigsby |
| UCB | Public PC | New virtual public pc environment to improve ability to upgrade application | Desktop | In Progress (roll out starting in June) | Lynne Grigsby |
| UCB | Support for google books scanning project | Continued support and changes | Development | Ongoing | Lynne Grigsby |
| UCB | Relocate non-production servers | Moving non-production servers to library computer room | Development | In Progress | Lynne Grigsby |
| UCB | Support for Library public website on mobile devices | Determine and implement mobile device access to Library Website, ERF, and Hours | Development | In Progress | Lynne Grigsby |
| UCI | Staff Intranet Release 2 | Various improvements of Libraries' Intranet | Web Services | In Progress | Colby Riggs |
| UCI | ANTPAC Millenium - Campus Accounting Invoice Interface | Development of interface for the processing of invoices | ILS | In Progress | Colby Riggs |
| UCI | ANTPAC Bursar Interface | Bursar Out Implementation | ILS | Completed 4/10 | Colby Riggs |
| UCI | Richard Rorty Born Digial Manuscripts | Collection in UCI Libraries' DSpace repository | Digital Projects | Completed 3/10 | Colby Riggs |
| UCI | Hugh Everett Manuscripts on Quantum Physics | Collection in UCI Libraries' DSpace repository | Digital Projects | In Progress | Colby Riggs |
| UCI | Human Resources Database - Students | Major revision of HR student database | Application Development | Concept | Colby Riggs |
| UCI | e-PAF Release 2 | Major revision of the Professional Development Activity application | Application Development | In Progress | Colby Riggs |
| UCR | Redesign LSA Website | LSA Website needs to be re-branded with the UCR Logo. | Web | Completed 1/10 | Dana Morita |
| UCR | Output LHR records (OCLC) | Local holdings records must be output to OCLC; need output table, testing, and insertion of 007 fields into the millennium holdings records. | ILS Millennium | In Progress | Terry Toy |
| UCR | Redesign Systems Internal Website | Our internal website needs to be revamped | Web | Completed 1/10 | Dana Morita |

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| UCR | Load SCP reclamation records | Load both serial and mono SCP oclc reclamation records. Need to complete this project before normal weekly SCP loads can be resumed. Requires new load tables | ILS Millennium | Completed 4/10 | Terry Toy |
| UCR | Centralized Web Application Login/Security | Centralize the login system for all Library web applications (starting with Worktickets, CENTAUR, Library Intranet, PAGA) | Web | In Progress | Albert Morita |
| UCR | Migrate to new SAN | Migrate our virtualized infrastructure from our old makeshift SAN to our new supported equipment. | Network | Completed 4/10 | Aaron Russo |
| UCR | Scotty: Adding SMS Feature | ILS/OPAC Management Committee (Scotty Team) proposed to have a feature for users to send Bib Records to their cellphones via SMS. | Web | In Progress | Carol Boggs |
| UCR | COLT Website | The COLT website needs to be ported over to a system for better website management. | Web | In Progress | Dana Morita |
| UCR | SuDoc spine label creation | Use the Millennium module to print the government publication SuDocs spine labels. Possibly print spine labels using the 3rd party vendor iReports with Millennium | ILS Millennium | In Progress | Carol Boggs |
| UCR | Libstaff Website (Redesign) | Library Internal website needs to be redesigned for a more UCR look and feel. | Web | In Progress | Dana Morita |
| UCR | Scotty/Millennium Inventory on staff machines | Identify computer names, telnet/Millennium versions in use, related hardware/software used on staff machines. | ILS Millennium | In Progress | Carol Boggs |
| UCR | Rivera Front Lounge: 32" TV Display | As of 8/27/09 the plans are to mount the 32 inch TV on the wall in Rivera Lobby. | Equipment Installation | Completed 2/10 | Aaron Russo |

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| UCR | Rivera TV Monitor Web Display | Create website for TV monitor installed in Rivera Library | Web | Completed 3/10 | Dana Morita |
| UCR | Multimedia Library Technology Request | Spec, purchase, and deploy MultiMedia library equipment. Including video conferencing and display units. | Equipment Installation | In Progress | Aaron Russo |
| UCR | Inventory Database | Create database to manage computer equipment in the Libraries. Track service tags, repair history, physical location, software installed, and run statistical reports | Database Programming | Completed 4/10 | Albert Morita |
| UCR | Staff computer replacement | Install 40 new staff computers, recycle the 40 old staff computers into public workstations | Equipment Installation | Completed 4/10 | Phil Cheetham |
| UCR | Update item status codes | Modify status codes in Millennium item records | ILS Millennium | In Progress | Carol Boggs |
| UCR | Library portlet | Develop Library portlet to be included on the Campus Staff and Student Portals | Programming | In Progress | Albert Morita/Dana Morita |
| UCR | Network migration | Reorganize Library network to facilitate improved network security and segregation of public and private servers | Network | In Progress | Aaron Russo |
| UCR | VMWare cluster upgrade to vSphere 4 | Migrate to new major release of VMWare's enterprise virtualization (vSphere 4) | Server Management | Completed 1/10 | Aaron Russo |
| UCR | RADIUS Server | Set up RADIUS server to allow means of authenticating against a central server | Network | In Progress | Aaron Russo |
| UCR | Workticket Database for Facilities | Create workticket database for Library Facilities Dept. modelled after the Systems workticket database (to help manage/track facilities | Database Programming | Completed 5/10 | Albert Morita |
| UCR | Library Mobile App | Create mobile web app of the Library website | Programming | In Progress | Dana Morita |

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| UCR | Automate tracking of machine inventory | Write program to automatically update the Inventory database with computer information on any staff/public workstation in the library. Schedule automatic updates | Programming | In Progress | Aaron Russo |
| UCR | III Single Sign On--CAS | Complete work to implement Millennium SSO, upgrade SSO server to RedHat rel.5 | ILS Millennium | In Progress | Terry Toy |
| UCR | Infomine Website Redesign | Add campus/library template to Infomine website | Programming | In Progress | Albert Morita |
| UCR | Add Music & Media Libraries to Library Network | Bring Music and Media Libraries back into the primary Library network | Network | In Progress | Aaron Russo |
| UCR | Network closet rewire/cleanup/inventory | After complete recording of all ports, reorganize patch panels, cabling and switches in each network closet in Rivera and Science Libraries | Network | In Progress | Aaron Russo |
| UCSF | Develop applications and services that contribute to a user-centered environment such as ones that support mobile devices. | Mobile web site for UCSF: http://m.ucsf.edu including Library resources. | Application Development | In Progress | Ann Dobson |
| UCSF | Upgrade Library web site to Drupal 7 | Currently on Drupal 5. Want to take advantage of features in Drupal 7 | Application Development | In Progress | Ann Dobson |
| UCSF | Develop the infrastructure for a digital object repository to include images, content from lectures, etc | Assess needs for digital object repositories outside those for learning. Continue the digitization of archives and special collections material | Application Development | In Progress | Ann Dobson |
| UCSF | Deploy the first phase of the learning objects repository | Select product, deploy for shared learning objects repository | Application Development | In Progress | Ann Dobson |
| UCSF | Move to Campus IdM | Decommission Library authentication and upgrade applications to use central campus IdM system | Application Development | In Progress | Ann Dobson |

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| UCSF | Extend the Collaborative Learning Environment (Moodle) with new services and applications. | Improve automated enrollment into Moodle courses. Add blocks to Moodle. | Application Development | In Progress | Ann Dobson |
| UCSF | Transform the 2nd floor of the Library to the Teaching and Learning Center including the relocation of library services and developing new integrated support services. | Construction project to remodel the second floor of the Library for student labs, classrooms, simulation center, and telemedicine. | Infrastructure | In Progress | Ann Dobson |
| UCSF | Move servers to campus data center | As part of campus efficiency effort, move hardware in Library server room to campus data center. | Infrastructure | In Progress | Ann Dobson |
| UCSF | Build services and support applications to secure the Library's role as a campus leader in collaborative tools. | | Application Development | In Progress | Ann Dobson |
| UCM | Library Projects Gateway | Plan and track all library projects, with specific development of workflow support for various business needs | Application development | In Progress | Emily Lin |
| UCM | Digital Assets Management System | Manage institutional digital object collections | Application development | Planning | Emily Lin |
| UCM | Room booking system | Reservation system for library rooms and spaces; can encompass equipment/other resource reservations. Based on PHP Scheduleit. | Application development | Beta testing, rollout Summer 2010 | Thomas Bustos |
| UCM | Library website | Service issues with hosting provider; considering other options. Planning for upgrade to Joomla 1.5 | Web | In Progress | Susan Mikkelsen |

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| UCM | Digital signage | Provide, support digital signage throughout Library building (including Student Center and campus administration wing) - currently using Scala system. Under discussion: building/acquiring interactive capabilities for wayfinding, enhanced communication | Application Development; infrastructure | In Progress | Thomas Bustos |
| UCM | Faculty web projects | Provide support, hosting, and access to faculty research (e.g. blogs, wikis) on the Web. | Application development | Ongoing | Emily Lin |
| UCM | Student technology support | Library has decided to discontinue loaner laptop program. Program will "fadeout" 2011. Assessing needs for device for accessing library resources for students in the library and surveying new technology | Computing support | Planning | Susan Mikkelsen |
| UCM | Library Window | Create "telepresence" or digital presence of Library in other campus buildings | App development/in frastructure | Concept | Teal Smith |
| UCM | Development of mobile web presence | Develop mobile-friendly site to facilitate access to Library services on mobile devices | Application development | Planning | Sara Davidson |
| UCM | Instruction room move | Move primary instruction room to alternate room with dual SmartBoard projection and enhanced A/V | Equipment installation | Complete 8/10 | Sara Davidson |
| UCM | Library tour/orientation | iPod touch tour for Writing Program students- first year 09/10; assess and revise for 10/11 | Application Development | In progress | Sara Davidson |

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| UCSB | Building Wireless | The Library has contracted out to OIST to install the wireless solution already in place in other locations on campus. Most major student study locations have been covered, with only a couple of floors remaining to be migrated. | Network | 80% Complete | J. Ajao |
| UCSB | Windows Infrastructure Virtualization | Prior to embarking on our move towards virtualization, we ran approximately 12 individual, completely underutilized HP Proliants to provide our Windows services. At present, we have migrated all but five of our windows servers to a VMware vSphere platform. | Server Management | In Progress | J. Preston |
| UCSB | VMware ThinClient Implementation (VMware View) | As the library continues to migrate towards virtualized desktops, we have decided to pursue VMware View as our thin client technology of choice. This will be built on top of our existing VMware vSphere architecture. | Desktop Support | Planning/Testing | J. Preston |
| UCSB | Systems Automation (puppet) | Defining our systems and their services through puppet, we can deploy both a consistent and centrally managed configuration to our hosts. Deployment times are reduced, which in turn allows us to deploy additional nodes quicker, along with reducing the time it would take to recover from disaster. | Server Management | In Progress | J. Preston |

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| UCSB | OSX Virtualization (Parallels Bare Metal) | Throughout recent years, we have acquired a handful of Apple XServers. With our growing IT staff to service ratio in mind, we found it best to attempt in following in the footsteps of our virtualization efforts on the linux, windows, and unix platforms. With the recently released Parallels MAC Bare Metal product, we are looking to implement a similar architecture as our VMware vSphere setup. | Server Management | In Progress | J. Preston |
| UCSB | Server Room | We have outgrown the resources currently available to us in our current server room. A new room is under construction that will make use of better resource planning, cooling technology, and power backup. | Data Center | Moving to campus Data Center | J. Ajao |
| UCSB | IT Staff Office Construction/consolidation | Current IT staff offices are in different areas of the Library building. | Human Resources | Construction phase | J. Ajao |

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| UCSB | Migration of legacy ADL applications | The legacy ADL application stack lived on fairly old, unserviceable hardware. Along with our push to virtualize services such as these to reduce our power/cooling footprint, a device failure of one of the core components in the ADL stack forced us to attempt migration. Since the installation procedures for these systems were never documented, and the original developers long gone, a series of solaris zone hacks were applied to move all zones involved into our modern hardware. X86 based hosts were moved into a Solaris 10 VMware image, while the SPARC based hosts were moved into more modern Solaris 10 installations with more power efficient hardware. | Application Support | Complete | J. Preston |
| UCSB | MySQL service migration to HA cluster | As we begin to host more and more MySQL dependent web-based applications for the library, the desire to have a much more responsive and redundant database server cluster increased. This project is currently in its planning/testing phase, so no solid description of work can be provided at this time. | Server Management | Planning/Testing | J. Preston |

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| UCSB | Library Network Infrastructure Upgrades | The Davidson Library network infrastructure in many areas still used poorly wired cat5 cabling. With staff producing larger digital objects that require transfer and storage in our server room, the connections between us needs to be faster. Thin client usage has also been a factor in our decision to begin installing 1Gbps switches with fibre uplinks to our core switching infrastructure. | Network | In Progress | J. Ajao |
| UCSB | Web services platform migration to Xen platform | In order to support our growing web presence, employing a more manageable, more scalable web infrastructure is desirable. Along those lines, an infrastructure that lends itself to automation (puppet) is believed to assist in reducing the managerial overhead on deployments. The xen platform appears to be the best fit for this. | Server Management | Planning/Testing | J. Preston |
| UCSB | Reverse Proxying of Web Services (HAProxy, Pound) | To improve our load distribution, along with increasing our resiliency to backend server failure, we have placed HAProxy in front of many of our web services to handle http traffic. Https traffic is redirected to our Pound reverse proxy. | Web Services | In Progress | J. Preston |

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| UCSB | Storage | With the Davidson Library server room power and cooling resources at near capacity, we have tasked ourselves with the duty of migrating away from inefficient storage arrays. Coupled with the need to provide fibre and iscsi LUNs to a variety of hosts, along with the desire to introduce modern filesystem features such as deduplication, we have been preparing to move our data to OpenSolaris / Nexenta based storage systems. Utilizing our Sun x4500 and x4540 units, we can achieve greater storage densities while consuming less power and producing less heat. | Storage | In Progress | J. Preston |
| UCSB | Backup System Improvements | VTL, Software Evaluation (Atempo, Zmanda), SAIT to LTO, Archival Procedures | Server Management | In Progress | J. Preston |
| UCSB | Zimbra | A migration from our exim email system to a Zimbra 5.0.x system was very successful. User friendly webmail had been a demand placed on us over the last couple years, and Zimbra delivered. At the same time, our first venture into VMware ESX was for this installation. VM snapshots have saved our tail quite a few times during unsuccessful Zimbra upgrades. | Application Support | Completed/Planning for next version deployment | J. Preston |

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| UCSB | We installed a VPN | IT staff, library staff, and contractors demonstrated an increased demand to access specific systems that were not available from public networks. An OpenVPN system was put in place allowing us to specify user access, along with user specific acs. | Network | Complete | J. Preston |
| UCSB | Coffee cart network implementation | The students want their coffee. Prior to 2010, they had to leave the library to get it. Now they simply walk down to the 1st floor. Coordination between Dining Services, the Office of Information and System Technology (OIST), Communication Services (wiring) and ourselves was required in order to meet the demands of our caffeine deprived patrons. | Network | Complete | J. Preston |
| UCSB | Streaming Media Server | An increasing amount of our collections are in media formats that are stream-able, such as video or audio. For this, a streaming media service is an attractive option. At present the library uses an Apple Darwin streaming server for one of our audio collections, but would like to see what other options are available. | Application Support | Planning/Testing | J. Preston |
| UCSB | Migration our 2003 AD infrastructure to 2008 | Throughout the years of production that our current Windows Active Directory system has been in place, we have noticed architectural design flaws that we would like to address. Along with these flaws, a general move to the latest AD schema, would be ideal. | Server Management | Planning | J. Ajao |

UC Libraries LTAG 2010 Projects List.xlsx

| Campus | Project Name | Project Description | Project Type | Status | Contact |
|--------|---|--|--------------------------------|------------------|------------|
| UCSB | Installation of 10Gig to the building and switch room | Obligations to specific projects, along with our move towards a thin client rich environment has pushed our network requirements into the 10Gb realm. In coordination with our Communication Services and the Office of Information and Systems Technology, we are bringing a pair of 10Gb lines into our structure. | Network | In Progress | J. Ajao |
| UCSB | Library Website | Migrating the site to Drupal, major redesign of appearance, functionality, and information architecture to provide better information to students and integration with Library services. | Web | Target Fall 2010 | I. Lessing |
| UCSB | Institutional Repository | Researching options for an institutional repository for campus, focusing on Fedora and DSpace. Fedora-based tools for archive validation and programmatic object updates have been created | Programming / Digital Projects | In Progress | A. Ross |
| UCSB | Intranet | Building an OpenAtrium/Drupal-based Library Intranet for document management and resource access. Rolled out in gradual phases, currently in use for meeting management and some IT documentation. | Web | Testing | A. Ross |
| UCSB | Map & Imagery Cataloging Enhancements | Various usability enhancements to custom-built Map cataloging tools. | Web | Ongoing | J. Ajao |
| UCSB | Digital Collections Website | Omeka-based website providing access to some Digital Collections. | Web | Limited Beta | I. Lessing |
| UCSB | Omeka Enhancement | Building Omeka Plugins to enable batch modification of objects. | Programming / Digital Projects | Planning | A. Ross |

UC Libraries LTAG 2010 Projects List.xlsx

| Campus | Project Name | Project Description | Project Type | Status | Contact |
|--------|----------------------------|--|------------------|-----------------------------|------------|
| UCSB | Digitization Order Tracker | Drupal-based system to track Digitization orders, including notifications based on order status and integration with MIL Catalog | Web | Complete 6/2010 | A. Ross |
| UCSB | Project Management | Deployment of activeCollab for Digital Project Management. | Digital Projects | Complete | I. Lessing |
| UCSB | Helpdesk Issue Tracker | Switched from RequestTracker to JIRA for helpdesk ticketing. | Desktop Support | Complete | A. Ross |
| UCSB | Code Repository | Migrated from CVS to Subversion for code management. | Programming | Complete | A. Ross |
| UCSB | Ingest Workflow Software | Creation of a discrete suite of tools to process disparate collections into a uniform, repository-compatible structure. | Digital Projects | Planning | A. Ross |
| UCSB | Library Single-Signon | Working toward AD-based single-signon in the Library. Most new systems this year make limited use of this. | Programming | Planning | J. Ajao |
| UCSB | Shibboleth | Shibboleth system to streamline access to subscription services. | Programming | Planning | J. Ajao |
| UCSB | Moodle-Library Integration | Create Library Services/Course reserves integration with Moodle-based Collaborate initiative. | Programming | Planning | J. Ajao |
| UCSB | Laptop Borrowing | Beginning lending program with 30 laptops. | Desktop Support | Imminent | J. Ajao |
| UCSB | Digitization | Completing infrastructure buildout of scanning and digitizing areas to accommodate library-wide and campus projects. | Digital Projects | In Progress | T. Moon |
| UCSB | Digitization | Testing Extensis Portfolio Server (DAM) for control of digital assets. | Digital Projects | target completion July 2010 | T. Moon |

UC Libraries LTAG 2010 Projects List.xlsx

| Campus | Project Name | Project Description | Project Type | Status | Contact |
|--------|---------------------------------|--|----------------------------------|----------------------------------|-------------|
| UCSB | Digitization | Planning Library interaction and digitizing support for campus-wide Learning Management System, <i>Collaborate</i> (Moodle based). | Digital Projects | target completion August 2010 | T. Moon |
| UCSB | Digitization | Creation of customized digital workflow and object processing tools | Digital Projects | planning | T. Moon |
| UCSB | Digitization | Creating metadata auto-embedding tools. | Digital Projects | planning | T. Moon |
| UCSB | Library Catalog | New servers acquired and being configured for upgrade to Aleph version 20. Moving from Sun SPARC/Solaris to Intel(x86)/Red Hat Enterprise Linux with VMWare. | ILS Aleph | target completion June 2010 | A. Fidler |
| UCSB | Print journal records | Remove fields 007, 793, and 856 from print journal records since they are creating duplicate URL display in WorldCat Local. | ILS Aleph | target completion August 2010 | A. Fidler |
| UCSB | LHR | Resubmit local holdings records to OCLC after print journal record cleanup and start weekly updates. | ILS Aleph | target completion September 2010 | A. Fidler |
| CDL | Storage acquisition | Replace Sun/StorageTek with Hitachi Storage (128TB) | Data Center | target completion July 2010 | J. Ober |
| CDL | System & application monitoring | Implement Groundwork/Nagios monitoring for all environments | Application support; server mgmt | Complete 6/10 | M. McKinnon |
| CDL | Security - framework | Document CDL's information/IT security program | Policy - security | In Progress | J. Ober |
| CDL | Security - intrusion detection | Deploy Tripwire for intrusion detection | Policy - security; server | In Progress | J. Somontan |
| CDL | Security - staff training | Review policies and IAS staff responsibilities | Policy - security | In Progress | J. Ober |
| CDL | Security - account management | Deploy centralized Unix/linux/solaris account & sudo mgmt | Policy - security; server | planning | J. Ober |

UC Libraries LTAG 2010 Projects List.xlsx

| Campus | Project Name | Project Description | Project Type | Status | Contact |
|--------|---|--|--------------------------|-----------------------------|-----------|
| CDL | Streaming media | Create general purpose streaming media server/service | Application support | Complete 5/10 | S. O'Hara |
| CDL | Management dashboard service | Pilot dashboard statistical presentation tool(s) for various mgmt stats | Application support | In Progress | S. O'Hara |
| CDL | Cloud services | Assist pilot use of Amazon Web Services elastic computing; assess future feasibility | Application support | ongoing | J. Ober |
| CDL | Server virtualization | Deploy VMWare for development and stage environments (linux/solaris) | Server mgmt; application | In Progress | J. Ober |
| CDL | Rearchitect database backups | Convert MySQL db backups to utilize SAN snapshots | Application support | target completion July 2010 | A. Auyang |
| UCD | Web-based statistical automation report generation for all statistics | Create web based statics collection | Application Development | planning | |
| UCD | Web-based Training for library applications and yearly Cyber Safety | Create web based training for UCD Library applications | Application Development | planning | |
| UCD | Web-based travel request and approval | create online approval process for travelling requests | Application Development | Testing | |
| UCD | Office 2010 upgrade | Roll out office 2010 | Workstation | In process | |
| UCD | Library Website redesign | update the General Library website | Web | planning | |
| UCD | Course guides redesign | Redesign the course guides application | Application | Completed | |
| UCD | NGM - LHR ect... | Working with OCLC | ILS | In process | |
| UCD | Archivist toolkit upgrade | Install Archivist toolkit for Special Collection | Application support | In process | |
| UCD | Email and Calendaring upgrade | Upgrade to Zimbra 6 | Application | In process | |
| UCD | EDI for all vendors | Convert all vendors to EDI | ILS | In process | |
| UCD | Upgrade ILS to v20 | Upgrade to version 20 | ILS | planning | |
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