The words "TECH DAYS" are rendered in a large, bold, 3D sans-serif font. The letters are white with a thick, vibrant rainbow gradient shadow that extends from the bottom-left towards the top-right. The background is a light gray with a large, dark gray curved shape on the right side.

TECH DAYS

IT Applications: Student Related Projects

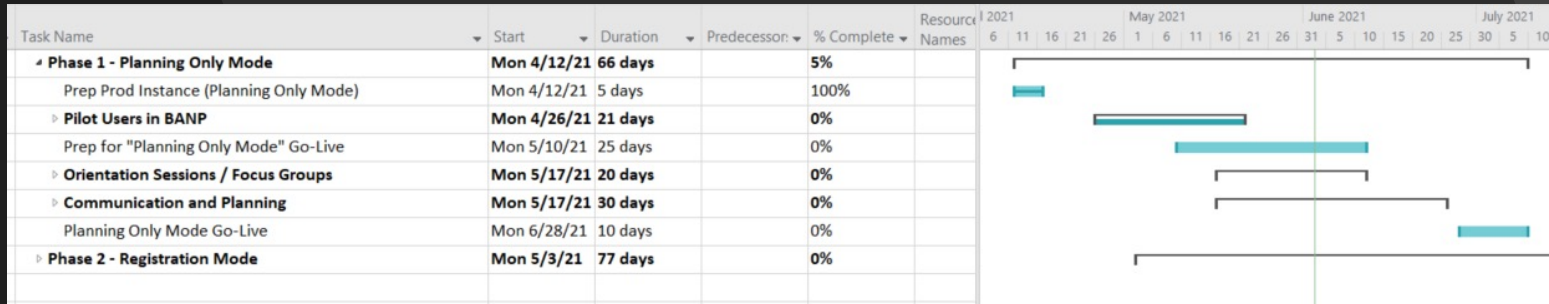
6/7/2021

Agenda

- College Scheduler - Stirling Crow, IT Project Manager
- Student Guide - Anne Kirk, IT Project Manager
- Tuition Calculator - Randy Johnson, Programmer Analyst III
- Overview of COVID-Related Applications - Tuan Bui, Manager, IT Applications
- Lobo Check-In - John Lee, Apps Support Specialist
- COVID Administrative System - Ron Estrada, Programmer Analyst III

College Scheduler

- Project Status: Active
- 3rd Party Product (Civitas)
- A Scheduling/Planning tool that assists students in building their schedule.
- Aimed at improving the student experience (recruitment and retention).
- Two Modes:
 - Planning Only
 - Registration (Requires Modifications)
- Timeline:



College Scheduler - Demo

The screenshot displays the 'College Scheduler' web application interface. The browser's address bar shows the URL `unm.collegescheduler.com/terms/Fall%202021/options`. The page features a red header with the 'Schedule Planner' title and navigation links for 'Help' and 'Sign out'. The University of New Mexico logo is prominently displayed in the center.

Below the header, there are filter sections for 'Course Status' (Open Classes Only), 'Campuses' (1 of 8 Selected), 'Instructional Methods' (All Instructional Methods Selected), 'Term' (Fall 2021), and 'Parts of Term' (All Parts of Term Selected). Each filter has a 'Change' button.

The main content area is divided into two columns: 'Courses' and 'Breaks'. The 'Courses' column includes a '+ Add Course' button and a list of selected courses: AFST 391 Problems, BIOL 1110L General Biology Lab, and ENGL 1110 Composition I. Each course entry has links for 'Sections', 'Prerequisites', 'Special Approval', and 'Restrictions'. The 'Breaks' column includes a '+ Add Break' button and a selected break: 'Work TTh - 8:00am to 11:00am' with an 'Edit' button.

Below these columns is the 'Schedules' section, which includes a 'Generate Schedules' button, a 'Shuffle' button, and a 'View Schedules' button. A 'Compare' button is also present, with a note: 'Select at least two schedules to compare side by side'. The 'Schedules' list shows three generated schedules, each with a 'View' button and a list of courses: Schedule 1 (Work, 391-AFST-044, 1110L-BIOL-006, 1110-ENGL-013), Schedule 2 (Work, 391-AFST-039, 1110L-BIOL-006, 1110-ENGL-049), and Schedule 3 (Work, 391-AFST-039, 1110L-BIOL-006, 1110-ENGL-050).

College Scheduler

- Project Team:
 - Sheila Jurnak, Registrar (Registrar's Office)
 - Tanaya Brown, Operations Manager (Registrar's Office)
 - Amber Trujillo-McClure, Associate Registrar (Registrar's Office)
 - Stirling Crow, IT Project Manager (IT Applications)
 - Nader Khalil, COTS Team Manager (IT Applications)
 - George Rainone, Programmer Analyst (IT Applications)
 - Gil Garduno, Business Analyst (IT Applications)
 - James Gillen, Programmer Analyst (IT Applications)
 - Sonya Torres, DBA (IT Platforms)
 - John Lopez, DBA (IT Platforms)
 - Mary Ann Barragan, DBA (IT Platforms)

College Scheduler

- Website URL:

- <http://unm.collegescheduler.com/>

- Video:

- [College Scheduler Overview](#)

College Scheduler

- Questions?
- Send to:
 - Stirling Crow, stirlingcrow@unm.edu

Student Experience Project

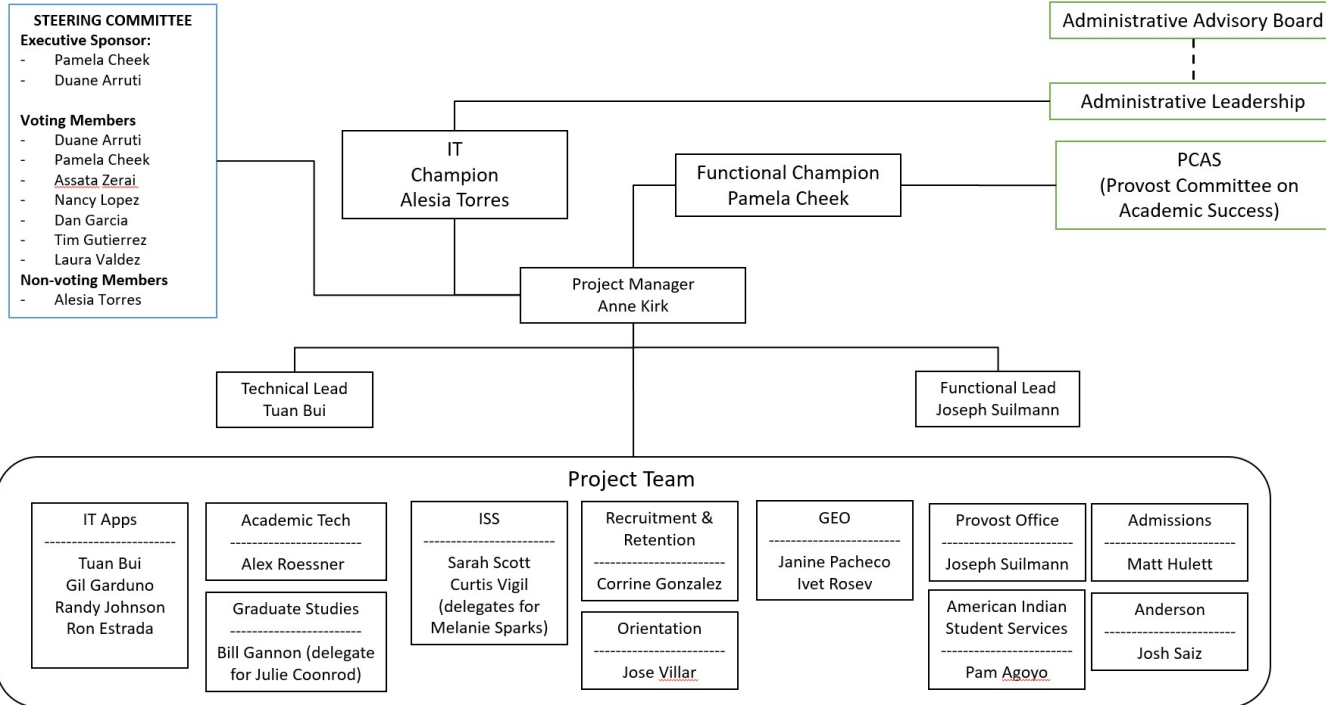
- Goal of the project is to improve the student experience by providing a standardized entry point, reducing the need visit numerous web sites to find academic journey resources for their degree completion.
- The project will focus on first year (freshmen) students first and then make the functionality available to other classes and other roles (staff, faculty, retirees, etc.)
- Phase 1 - create a static Student Guide in MyUNM
 - Centralize a list of resources to aid students on their journey at UNM
 - The site is revised weekly to keep up with current student events
- Phase 2 - create dynamic and personalized Student Experience site (visible in MyUNM) that includes:
 - Personalized student alerts and events admin tool to allow for self-management
 - Personalized student roadmaps with milestones and associated tasks
 - Integration with student systems
 - Roadmaps for undecided, sophomore, junior, senior students
- Beyond - align alumni, employee, faculty, retiree, affiliate tabs in MyUNM with Student Life tab.

Student Experience - Timeline

Tentative Milestones:

- Fall 2020 - Static Freshman roadmaps, resource links (myUNM Student Guide tab) - done.
- Summer 2021 - dynamic Freshman roadmaps with links, alerts, and events that authorized groups can create, update and publish – in process.
- Fall 2021 - other roadmaps beyond freshman.
- Fall-Spring 2022 - personalized roadmaps, links, alerts, events, data feeds with Housing, Meal Plan, New Student Orientation, and Campus Events systems to improve reporting on student data.
- Spring 2022 - merge Student Life and Student Guide tabs.
- 2022 - align Alumni, Employee, Faculty, Retiree, Affiliate Tabs in MyUNM with Student Life tab.
- 2022 - migrate MyUNM to new architecture.

Student Experience – Project Team



Student Experience – Student Guide

<http://goweb.unm.edu/studentguide/>

The screenshot displays the UNM Student Guide website. At the top, a red navigation bar contains the 'myUNM' logo, utility icons, and a search bar. Below this, a secondary navigation bar features links for 'Student Life', 'Student Guide' (which is highlighted), 'Employee Life', 'Faculty Life', and 'Retiree Life'. The main content area is titled 'Student Guide' and includes a red banner with a welcome message for 'Lobos'. Below the banner is a horizontal carousel of 10 numbered cards, each representing a different resource. The first card is 'Summer and Fall Registration Underway'. The second card is 'UNM First-Year Requirements'. The third card is 'Summer Financial Aid'. The fourth card is 'Tuition Calculator'. The fifth card is 'Live Chat'. The sixth card is 'Get Your UNM ID Card'. The seventh card is 'Register for Housing'. The eighth card is 'Payment Plan Info'. The ninth card is 'Campus Dining & Meal Plans'. The tenth card is partially visible. Below the carousel, there are three main sections: 'Online Resources' (with a list of links like 'LoboMail (UNM Email)' and 'UNM Learn'), 'COVID-19 and Health Info' (with links like 'Protect Lobos With Required Masks And Symptom Screening' and 'Get Signed Up For The Vaccine!'), and 'Orientation' (with links like 'NSO Plus: Activities And Access For New Students' and 'NSO Virtual Tours').

myUNM

Student Life **Student Guide** Employee Life Faculty Life Retiree Life +

Student Guide

Hello Lobos! Here are some recommended next steps on your journey as a Lobo!

- 1. **Summer and Fall Registration Underway**
Check out the new Schedule of Classes. Registration opens mid-April.
[GO TO SITE](#)
- 2. **UNM First-Year Requirements**
Learn about the Freshmen Residency, Meal Plan and Parking Permit Requirements and where to find more info.
[GO TO SITE](#)
- 3. **Summer Financial Aid**
Learn about options for summer financial aid.
[GO TO SITE](#)
- 4. **Tuition Calculator**
Current and prospective students can easily estimate tuition and fees using this calculator.
[GO TO SITE](#)
- 5. **Live Chat**
Chat directly with Admissions, Bursar/Cashiers, Financial Aid, GEO, Registrar, IT Computing and Others.
[GO TO SITE](#)
- 6. **Get Your UNM ID Card**
Get access to university services, secure buildings and more with your LoboCard.
[GO TO SITE](#)
- 7. **Register for Housing**
Find out about living on campus! New registration is open.
[GO TO SITE](#)
- 8. **Payment Plan Info**
Pay your tuition in equal installments throughout the semester.
[GO TO SITE](#)
- 9. **Campus Dining & Meal Plans**
Explore campus dining options and meal plans. Currently offering limited service. Click for venue hours & restrictions.
[GO TO SITE](#)
- 10. **Part-time Employment**
Find out about part-time employment opportunities.
[GO TO SITE](#)

Online Resources

Below are commonly used online resources for all Lobos

- LoboMail (UNM Email)
- UNM Learn (Access Remote Courses Or Electronic Course Materials)
- How To Use UNM Learn
- Fall 2020 Student Guide On COVID-19 And Classes
- Learn About Fully Online Programs
- UNM Directory

COVID-19 and Health Info

- Protect Lobos With Required Masks And Symptom Screening
- Get Signed Up For The Vaccine!
- COVID Information @ UNM
- COVID-19 Symptoms
- Protect Lobos By Reporting Diagnosis With COVID-19
- COVID Building Closures
- Things Getting You Down?

Orientation

Sign up for Orientation!

- NSO Plus: Activities And Access For New Students
- NSO Virtual Tours
- Virtual Graduate Orientation
- Online Graduate Orientation

Student Experience - Demo

First Year (Freshmen) Mock-Up

* Final design may differ than mock-up



Search UNM



WELCOME BACK,
Lobo Lucy
LOBO SINCE 2021



Weather

(Weather Location: 87106)

MON	TUE	WED	THU	FRI
63°F 65°F/42°F	66°F 42°F	62°F 46°F	66°F 42°F	68°F 42°F

Alerts

(Filter Alerts: All)

ALERT: Test of Alert System from LoboAlerts

This is a test of the LoboAlerts system for MM/DD/YYYY @ XX:XX AM/PM MST/MDT.

FAFSA Due July 15, 2021 from Freshmen Alerts

Be sure to fill out the FAFSA! The deadline is July 15!

OPEN

Lobo Tickets On Sale! from The University of New Mexico

Lobo Football tickets are on sale from June 4 to

Upcoming Events

(Filter Events: All)

June 29, 2021

Lobo Open House
12:00 PM MDT - 01:00 PM MDT
Student Union Building (SUB)
from Freshmen Events

EVENT INFO

July 1, 2021

Lobo Run Rally

Your Roadmaps

(Filter Roadmaps: All)

Freshman Year

SPRING 2021 - FALL 2021, LAST UPDATED (MM/DD/YYYY)

3 MILESTONES 11 STEPS

MILESTONE

POST-ADMISSION
Steps that may require your completion after being admitted to the University.

3 STEPS

33% EXPAND

MILESTONE

CAMPUS LIFE PREP
Get ready for your first days at UNM.

4 STEPS

25% EXPAND

MILESTONE

START OF SEMESTER
Steps to get you started with your semester.

4 STEPS

0% EXPAND

2 COMPLETE 2 PENDING 1 PRIORITY 1 DEADLINE

COLLAPSE

Honors College

LAST UPDATED (MM/DD/YYYY)

3 MILESTONES 15 STEPS

0 COMPLETE 0 PENDING

EXPAND

Resource Links

Top Clicks of the Week

2492 Schedule of Classes

1235 LoboMail

923 UNM Learn

Links by Category

Expand categories for a related series of links.

Type to Filter by Keyword

10 Online Resources

Below are commonly used online resources for all Lobos.

[LoboMail \(UNM E-Mail\)](#)

[UNM Learn \(Access Remote Courses Or Electronic Course Materials\)](#)

[How To Use UNM Learn](#)

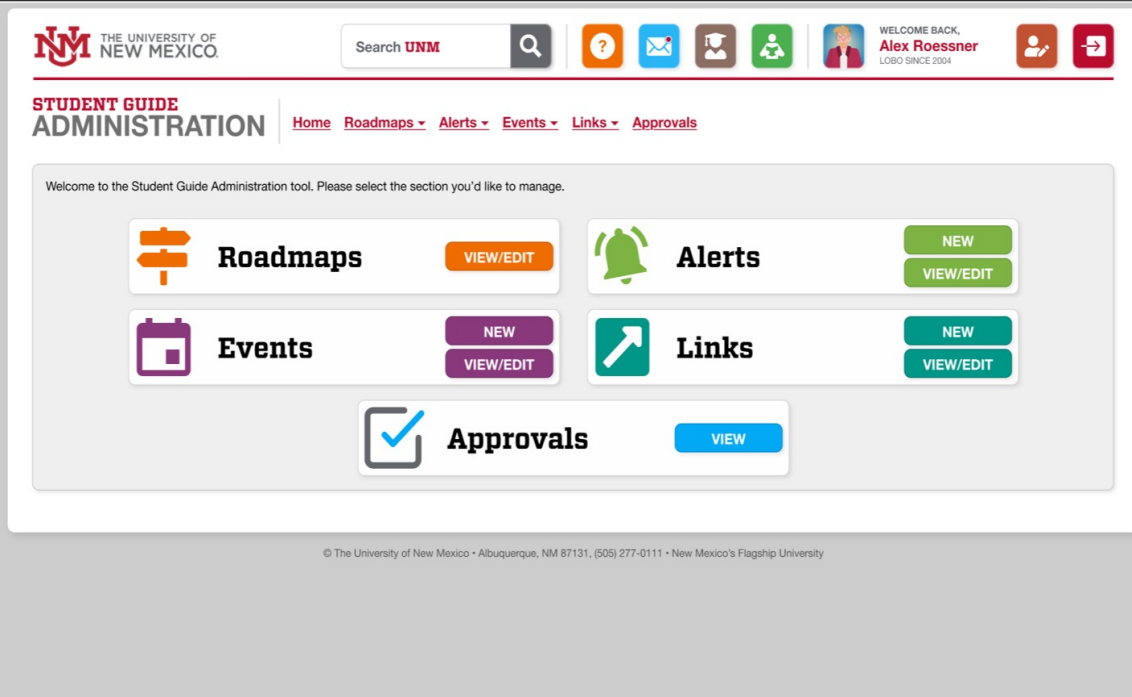
[Fall 2020 Student Guide On COVID-19 And Classes](#)

[Learn About Fully Online Programs](#)

Student Experience - Demo

Admin Tool Mock-Up

* Final design may differ than mock-up



Student Experience - Demo

myUNM
Interim Space

* Final design may differ than mock-up

myUNM
Interim Space

Alerts

- ALERT: Test of Alert System** from LoboAlerts. This is a test of the LoboAlerts system for MM/DD/YYYY @ XX:XX AM/PM MST/MDT.
- FAFSA Due July 15, 2021** from Freshmen Alerts. Be sure to fill out the FAFSA! The deadline is July 15!
- Lobo Tickets On Sale!** from The University of New Mexico. Lobo, Football tickets are on sale from June 2 to...

Upcoming Events

- June 29, 2021**
Lobo Open House
12:00 PM MDT – 01:00PM MDT
Student Union Building (SUB)
from Freshmen Events
- July 1, 2021**
Lobo Pep Rally
02:00 PM MDT – 04:00PM MDT
Johnson Field
from The University of New Mexico
- July 4, 2021**
Lobo 4th of July Celebration
03:00 PM MDT – 07:00PM MDT
Student Union Building (SUB)

Student Guide

- Register for In Person Fall Classes (Online Too)**
Check out the new Schedule of Classes. Registration opens mid-April!
- Graduate Planning is Underway!**
Grad Stream 2021! Sign up for in-person graduation or the online ceremony! Also, get info on departmental events!
- Summer Financial Aid**
Learn about options for summer financial aid.
- The Pack Campus**
UNM is targeting campus by do to prepare

Online Resources

Below are commonly used online resources for all Lobos.

- LoboMail
- UNM Learn
- How to Use UNM Learn
- Learn About Fully Online Programs
- UNM Directory
- IT Alerts

COVID-19 & Health Info

- Protect Lobos With Required Masks And Symptom Screening
- Get Signed Up For The Vaccine!
- COVID Information @ UNM
- COVID-19 Symptoms
- Protect Lobos By Reporting Diagnosis With COVID-19
- COVID Building Closures

Orientation

Sign up for Orientation!

- NSO Plus: Activities And Access For New Students
- NSO Virtual Tours
- Virtual Graduate Orientation
- Online Graduate Orientation

Academic Guidance & Support

- Tuition Calculator

Advisors, Classes, Majors

- Need to schedule an appointment with your advisor?

Equity and Inclusion

- LGBTQ Resource Center

Student Experience

- Questions?
- Send to: Anne Kirk, axkirk@unm.edu

Tuition Calculator

Project Manager: Anne Kirk

Web Designer: Alex Roessner

Web Developer: Randy Johnson

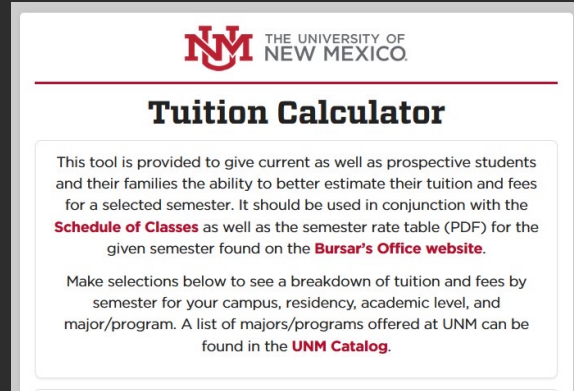
Project requested by the
Daniel Borrego, UNM Bursar

<https://bursar.unm.edu/>

Completed

Tuition Calculator URL

<https://myapps.unm.edu/tuition-calculator/>



Tuition Calculator

- Questions?

COVID-Related Applications

- COVID caused everything to change overnight
- As the administration identified needs, IT Applications responded (as did the rest of IT, and every other department on campus!)
- In the past 14 months we developed and deployed over 20 applications and systems related to COVID. Today we will show you a few of them.

Timeline of COVID-Related Applications

March: Shutting down the campus

- Lobo Check-In: Events Registration for COVID Planning
- Lobo Check-In: Travel Registration for COVID Planning

April: Moving all classes online after Spring Break

- Lobo Check-In: Early Alerts Form and Process

June/July: Beginning to re-open campus

- Lobo Check-In: Facility Re-Open Request and Approval
- Lobo Check-In: COVID Daily Screening of Employees

August: Fall semester beginning

- Lobo Check-In: COVID Daily Screening of Students
- Lobo Check-In: COVID Daily Screening of Campus Residents
- TechFinder Map of Computer Labs on Campus
- Microsoft Teams Service for Departmental Use
- Lobo Check-In: Events Request and Approval Process

September: COVID testing

- Lobo Check-In: UNM COVID Testing Site
 - Administrator Scheduling
 - Student Self-Scheduling
 - On-Site Check-In
- Lobo Check-In: COVID-Safe Practices compliance audits of opened buildings

October: Vigilance and contact-tracing

- Lobo Check-In: Building Entry Tracking

September-March: COVID tracking and reporting

- COVID Reporting:
 - Phase 1: Centralization of data sources, creation of covid.unm.edu public dashboard and daily metrics
 - Phase 2: Additional data, automation of most manual processes, automated notifications to local and state agencies
- COVID Administrative System (used by UNM Rapid Response Team to track infections and minimize disease spreading)
 - Phase 1: Data integration and display, view and send testing referrals to classmates, dorm mates, and teammates
 - Phase 2: Manual referrals, person search, referral history and status, high/low risk exposure referral templates
 - Phase 3: Interface and performance improvements, expanded information on main data page, view referrals by group page
 - Phase 4: Expanded integration with COVID data repository, structured interview for contact tracing

April: Planning for return to campus

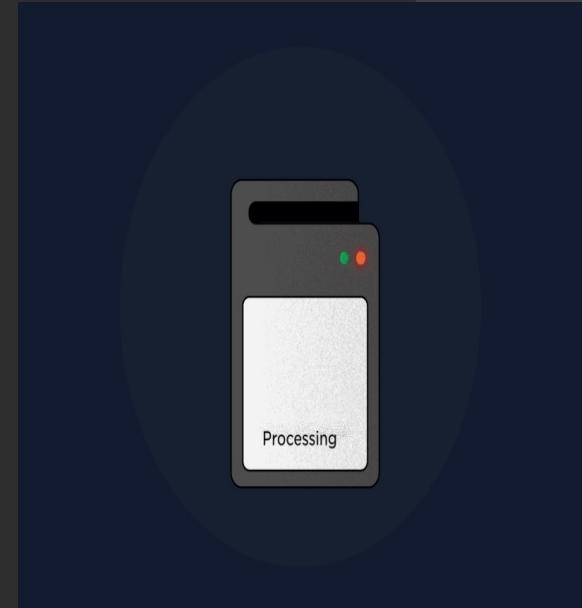
- Lobo Check-In: Vaccination status and automated reminders

May

- Lobo Check-In: No-touch Commencement check-in

Lobo Check-In


- Lobo Check-In is a check in management system built on Laravel framework.
- It is built as a platform upon which different “events” can be hosted
- Multiple authentication methods supported
 - Lobocard (Swipe)
 - QR Code (Scan)
 - Banner ID/CAS (KBD)
 - Virtual Card(Scan,NFC, TBD)
 - NM Driver's License(Swipe, TBD)
- Multiple data integrations supported
 - UNM Banner, CAS
 - APIs (Microsoft Flow)
 - Scheduling
 - Email
 - Reports



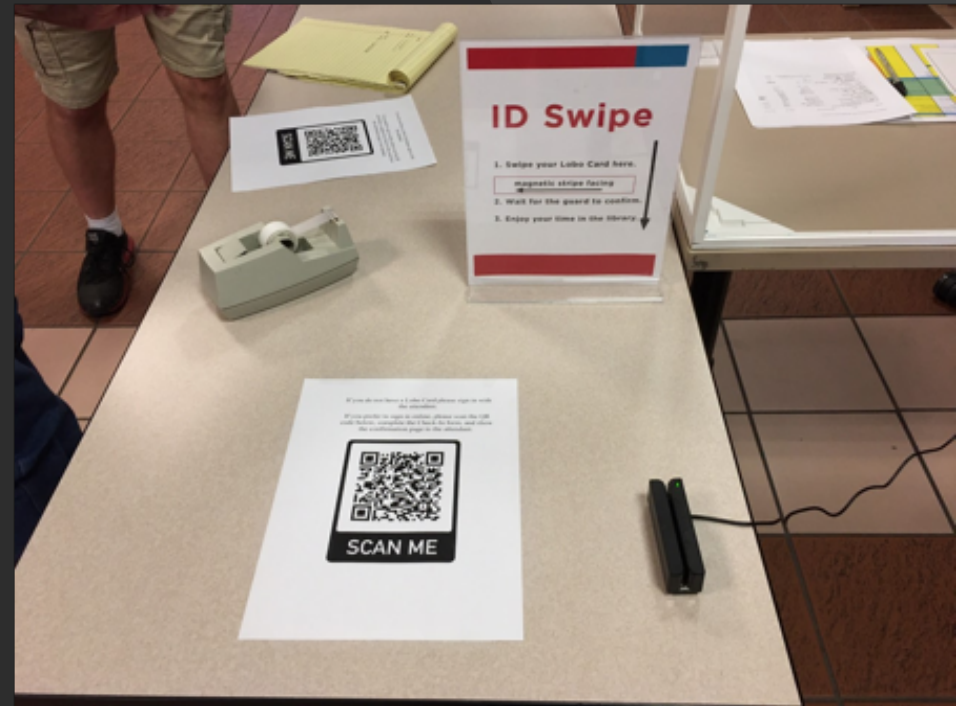
All Scheduled Appointments

Show 25 entries

Search:

Appt #	BannerID	<div> LoboCheckIn</div>				Status Details
<input type="text" value="Filter"/>	<input type="text" value="Filter"/>					<input type="text" value="Filter"/>
62507	100019547	<div>COVID Testing Appointment Checkin</div> <div>QR Code Scan</div> <div><input type="text"/></div> <div>LoboCard Swipe</div> <div><input type="text" value="Swipe your LoboCard"/></div> <div>Banner ID</div> <div><input type="text" value="Enter Banner Id"/></div> <div>If you are having trouble logging in or require technical assistance, please contact UNM IT Customer Support Services by calling (505) 277-5757.</div>				Scheduled by SLEE1005
62505	100019547					Scheduled by SLEE1005
62465	100019547					
62459	100019547					
62441	100019547					
62434	100019547					
62434	100019547					
62429	100019547					
62429	100019547					
62425	100019547					
62424	100019547	John Lee	Mon, Oct 19	1:40 pm		
62423	100019547	John Lee	Mon, Oct 19	1:30 pm	3-Scheduled	
62423	100019547	John Lee	Mon, Oct 19	1:30 pm	3-Scheduled	
62422	100019547	John Lee	Mon, Oct 19	1:20 pm	3-Scheduled	
62422	100019547	John Lee	Mon, Oct 19	1:20 pm	3-Scheduled	

Lobo Check-In: Building Entry Check-In



Lobo Check-In

- Questions?

Covid Administrative Systems (CAS)

- Served as one of the University's rapid response applications
 - Provided an up-to-date list of positive cases
 - Provided a central storage for positive case status, contacts, referrals, and notes
 - Provided a mechanism for basic contact discovery and referral.
- CAS is a Laravel PHP application
 - Highly integrated with the Lobo Check-in and COVID Reporting data sources.
- Development used a true Agile methodology
 - Had to maximize the Rapid Response Team's time and resources.
 - Leveraged parallel efforts to gather necessary data



CAS - Functionality

- Stakeholders / Users
 - Rapid Response Team
 - COVID Coordinator
 - HSC Doctors
 - SHAC Doctors & Nurses
 - UNM Public Health Resources
- Data Requirements
 - Positive Case List & Notes
 - Proximal Contact Referral & Notes
 - Housemates
 - Classmates
 - Teammates
 - Co-Workers
 - Initial Positive Case Interviews
 - NM Agency Required Reporting Settings

COVID Positive List: Albuquerque and HSC Students

Search:

All Roles

Case #	Data Source	Status	Name (Banner ID)	Campuses	Roles	Test Date	Result Date	Campus Resident	F2F Classes	Athlete	Actions	Note
568	SHAC	NEW Select...	[REDACTED]	ABQ	Student	04-21-2021	04-22-2021	<input checked="" type="checkbox"/>	No	No	Manual Referral Start Interview	Add Note
567	SHAC	NEW Select...	[REDACTED]	ABQ	Student	04-21-2021	04-21-2021	No	<input checked="" type="checkbox"/>	No	Manual Referral Start Interview	Add Note

Contacts

Now I'd like to ask you some questions about where you've been and who you may have interacted with in the past few days

Use dates for infectious window as defined in the current NM DOH POLICIES FOR THE PREVENTION AND CONTROL OF COVID-19 IN NEW MEXICO

Face-to-Face Classes Questions

Have you attended any face-to-face classes?

☐ Yes ☐ No

Student Athlete Questions

Are you a student athlete?

☐ Yes ☐ No

Student Employee Questions

Are you a student employee?

☐ Yes ☐ No

Clinical Rotation Questions

Are you currently on a clinical rotation?

☐ Yes ☐ No

Please schedule yourself for COVID testing immediately

COVID@unm.edu
Thu 3/5/2021 8:34 AM
for [REDACTED]

Dear [REDACTED],

The COVID Rapid Response Taskforce at UNM has determined that it is possible that you have been exposed to an individual who has tested positive for COVID-19, and because of this you should be tested.

[Follow this link to schedule testing at the UNM Test Site.](#)

If your test comes back positive you must:

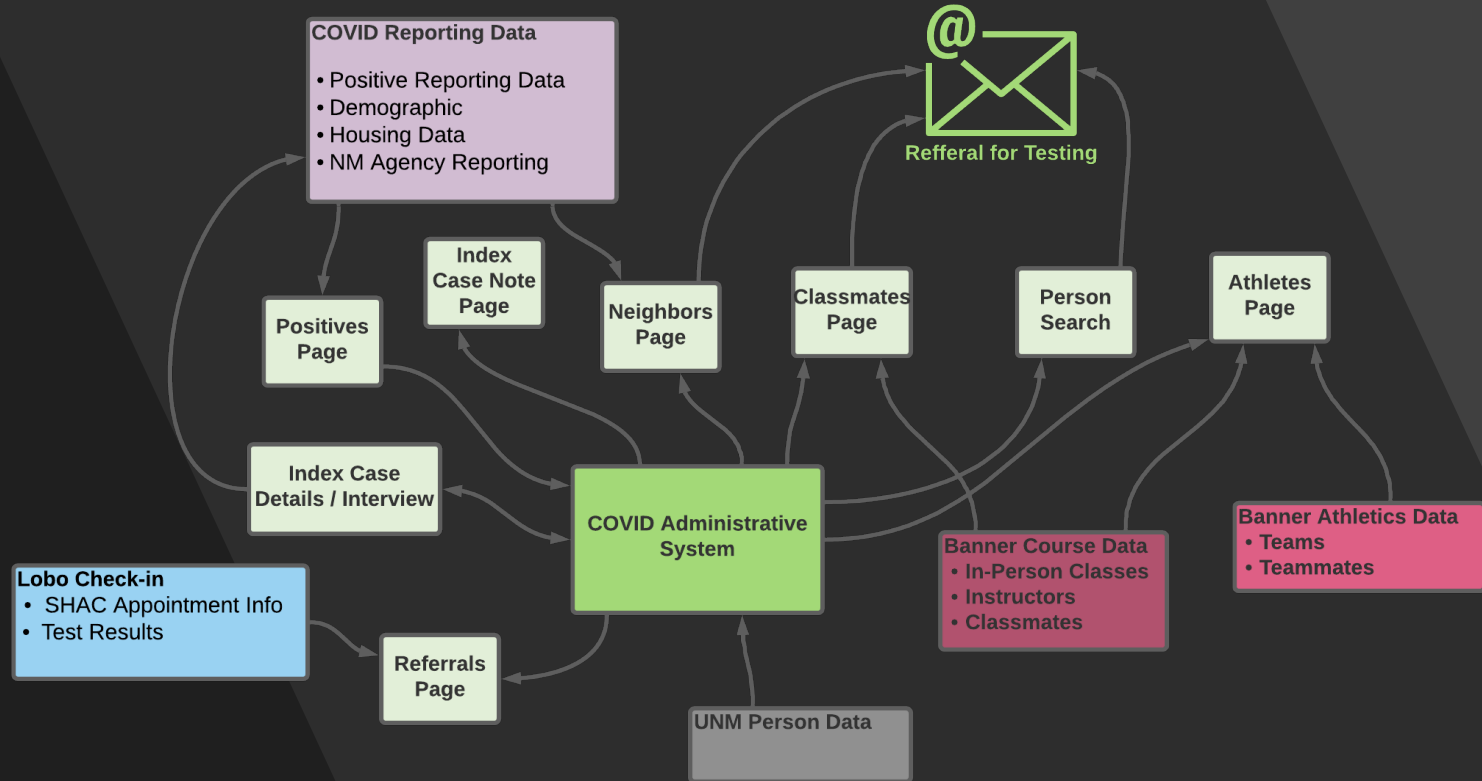
- Self-report immediately at <https://by.unm.edu/self-report>
- Call SHAC at 505-277-3136
- Begin self-isolating following the [NM Department of Health Self-Isolating Guidelines](#)

If you have or develop symptoms of COVID-19 (fever, cough, shortness of breath, runny nose, sore throat, loss of taste or smell) SHAC to speak with a medical provider at 505-277-3136.

You may be contacted by contact tracers from UNM or the NM Department of Health to determine the extent of your exposure. We understand this may be concerning news. Know where and how to get treatment and other support services and resources, including counseling or therapy (in person or through telehealth services). Take care of your emotional health. Taking care of your emotional health will help you think clearly and effectively in order to protect yourself and your family. If you need support, please call SHAC at 277-3136 and follow the prompts.

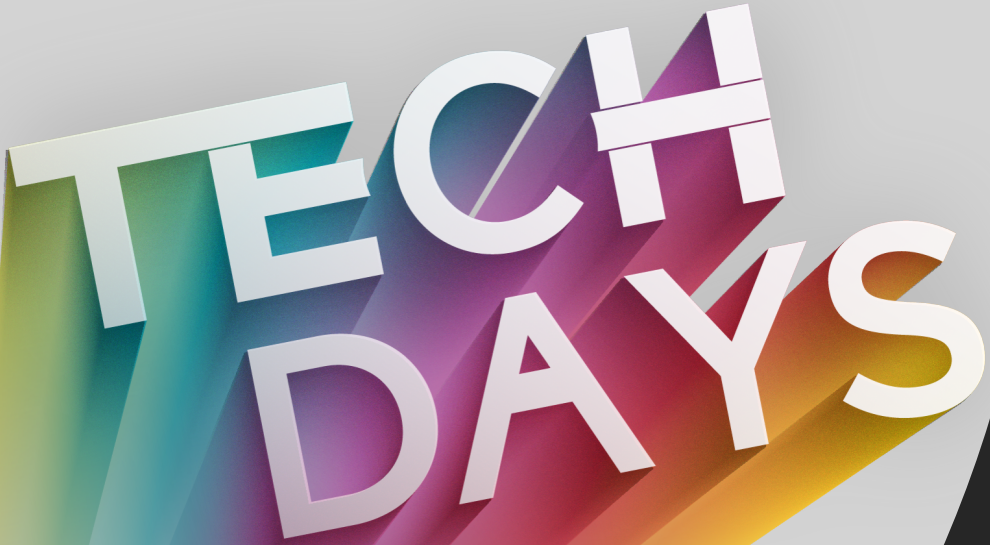
Thank you for helping to keep our campus community safe and healthy.

CAS - Integrative Effort



CAS - Integrative Effort

- Questions?

The words "TECH DAYS" are rendered in a large, bold, 3D sans-serif font. The letters are white with a thick, vibrant rainbow gradient shadow that extends from the bottom-left towards the bottom-right. The background is a light gray with a large, dark gray curved shape on the right side.

TECH DAYS

Thank You!
Questions?