




# Open Lab

Instructional Designer University Center for Teaching and Learning





# Requirements



University of Pittsburgh

**Pitt** | UNIVERSITY CENTER FOR  
TEACHING AND LEARNING

Contact Us



[Learning Initiatives](#) ▾[Technology Resources](#) ▾[Teaching Commons](#) ▾[News & Workshops](#) ▾[About](#) ▾

[Consultation Request Form](#)

The Open Lab at the University Center for Teaching and Learning

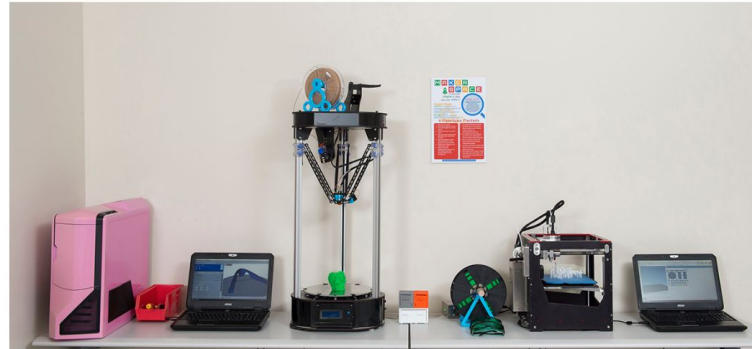
**Open Lab**

**Available Equipment**

- 3D Printers
- 360 Degree Video Cameras
- Virtual Reality Systems
- Laser Engraver
- 3D Scanners
- **Request a New Technology**

**Available Services**

- Course and Individual Project Consulting
- Workshops and Training
- New Media and Technology



[Consultation Request Form](#)

# Features

- Login System
- Show ongoing task & device's status info ( embed in teaching website)
- Schedule
- Showcase
- Video Streaming
- Content Management



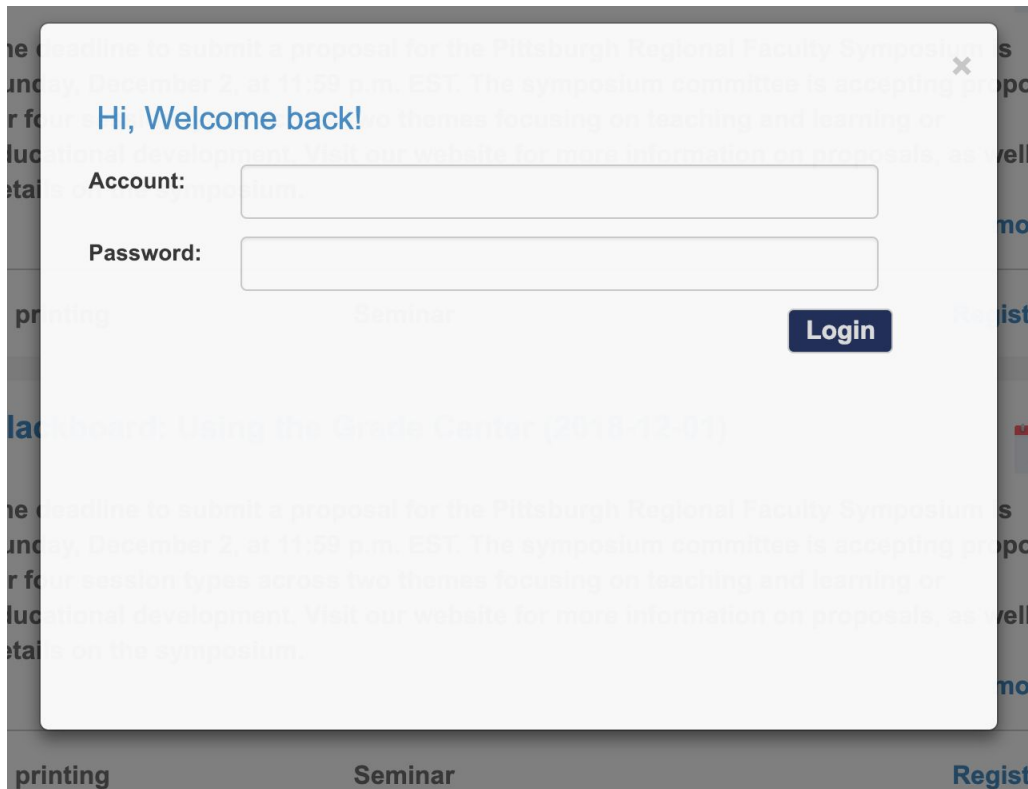
# The hardest problem

1. Airtable
2. Data security
3. Video streaming



# Login System

- Users can't sign up. Accounts are created in advance.
- Users can log in with an account.
- Provide the feature, finding back password when users forgot it.



Hi, Welcome back!

Account:

Password:

Login

# Show ongoing task information

- Staff and student workers login and post ongoing task information
- This information will be add into Airtable for embedded box in Open lab website on Teaching center

University of Pittsburgh

Content Management

- Users
- Events
- Showcases
- Subscribes
- Devices
- Logs

Update

Create Log

Hi, John!

Working Hours

Hours 13:00 -- 17:00

Working Devices

Device 3D Printing

Current Event

12/18/2024 12:00:00 Read More

12/19/2024 12:00:00 Read More

12/20/2024 12:00:00 Read More

12/21/2024 12:00:00 Read More

12/22/2024 12:00:00 Read More

12/23/2024 12:00:00 Read More

12/24/2024 12:00:00 Read More

12/25/2024 12:00:00 Read More

12/26/2024 12:00:00 Read More

12/27/2024 12:00:00 Read More

12/28/2024 12:00:00 Read More

12/29/2024 12:00:00 Read More

12/30/2024 12:00:00 Read More

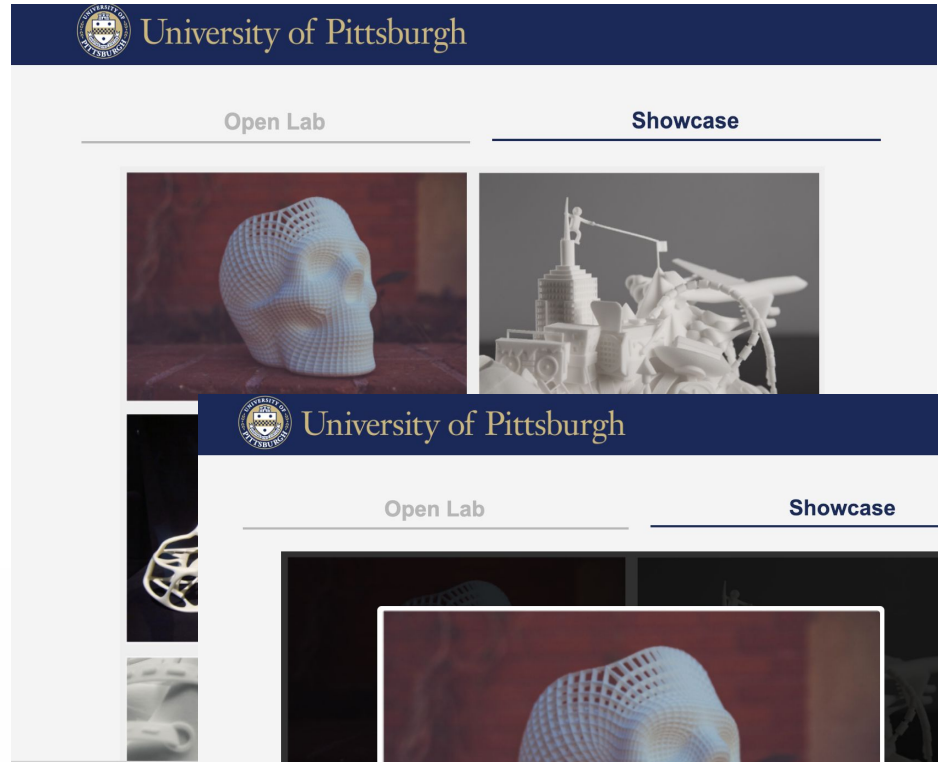
12/31/2024 12:00:00 Read More

Post



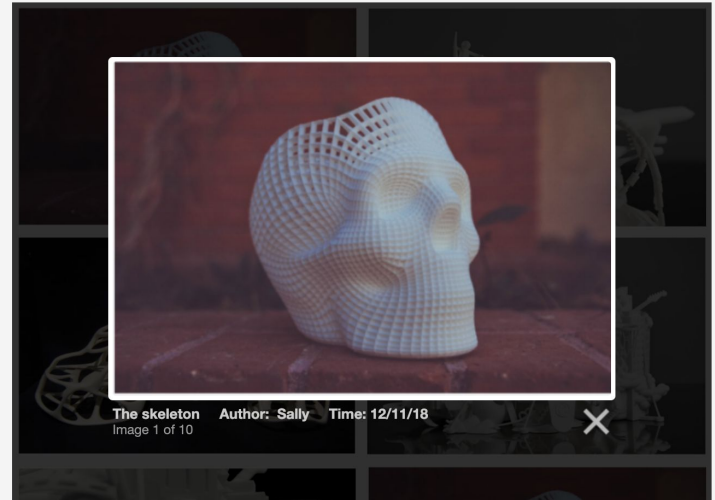
# Showcases

- Open lab users can submit their work to staff, staff will review the work and upload to showcase with author name and description.



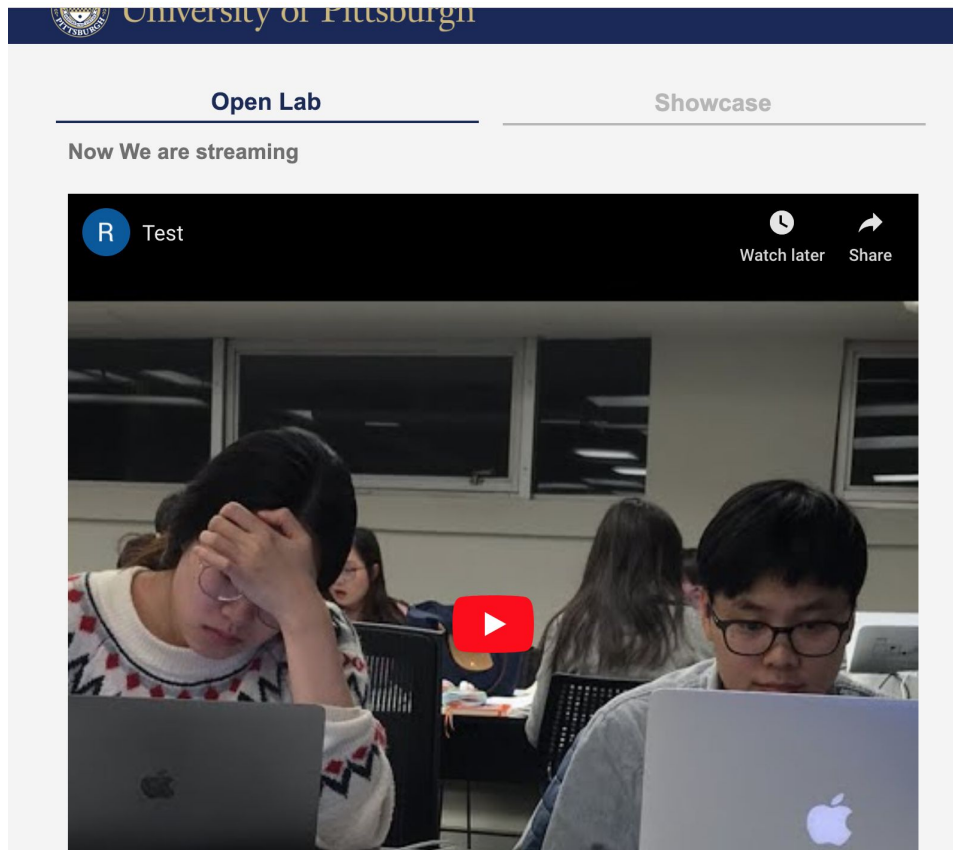
Open Lab

Showcase



# Video Streaming


- End-users can watch a live video streaming on website
- End-users can get the streaming information on teaching website





# Content Management

- Manage users.(You can add, edit, and delete them.)

 University of Pittsburgh

Update Switch Mode

### Content Management

Users

Events

Showcases

Subscribes

Devices

Logs

Create User

Name: yyy  
Email: 12e13r

Name: staffA  
Email: demo1@pitt.edu

Name: staffe  
Email: staffe@pitt.edu

Name: staffJ  
Email: staffj@pitt.edu

Edit

Delete

< 1 >

html

# Content Management

- Manage events.



## Content Management

Create Event

Users

Events

Showcases

Subscribes

Devices

Logs

Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing



Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing



Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing



Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing



# Content Management

- An example of creating Events (click the icon of “create”)



## Content Management

Create Event

Users

Events

Showcases

Subscribes

Devices

Logs

Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing



Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing



Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing




Name: Blackboard: Using the Grade Center  
Type: Seminar  
Date 2018-12-01  
Topic: 3D printing



# Content Management

- Manage showcases.

 University of Pittsburgh Update

## Content Management

Create Showcase

Users

Events

Showcases

Subscribes

Devices

Logs

Title: bbbb	Author: sdf	⋮
Time: 2018-01-01	Description: safwef	
Title: afw	Author: few	⋮
Time: 2018-01-01	Description: undefined	
Title: showcase_title5	Author: showcase_authorudtf	⋮
Time: 2018-12-01	Description: showcase_description	
Title: showcase_title7	Author: showcase_authormo	⋮
Time: 2018-12-01	Description: showcase_description	

< 1 >

# Subscribe

University of Pittsburgh

Open Lab

**Subscribe Open Lab**

We are currently

**name**

**Email**

**Tell us what you're interested in**

- ☐ Virtual Reality
- ☐ 3D printing
- ☐ 360° Video Camera & Viewer
- ☐ 360° Video Projector

**Subscribe**

Thanks for subscribing open-lab Inbox



me

to me

2:53 PM [View details](#)

**Pitt**  
TEACHING  
CENTER

**Thank you for  
Subscription to Open  
Lab!**

**OPEN LAB** OPEN LAB DROP-IN HOURS / 360° VIDEO  
AND NEW MEDIA PROJECT CONSULTATIONS  
Mondays, 5–7 p.m.  
Hillman Library Digital Scholarship Commons

**360 VIDEO PRODUCTION WORKSHOP\***  
First Wednesday of every month, 2–5 p.m.  
Hillman Library Digital Scholarship Commons  
\*Your Consultation Required

Open Lab is a University Makerspace currently located in Alumni Hall, Suite 8-10. All Pitt affiliates are welcome.

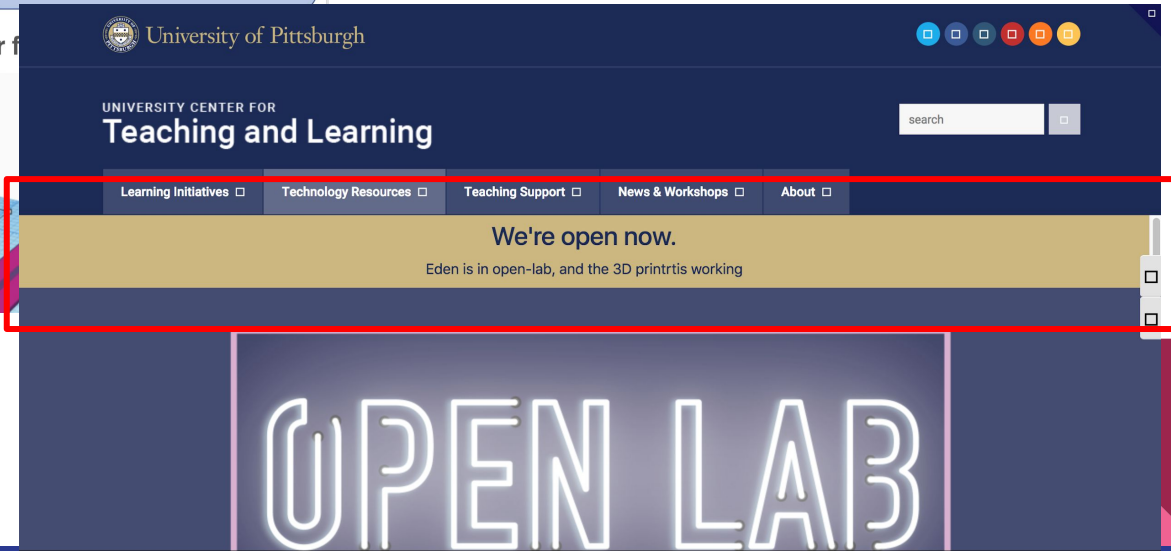
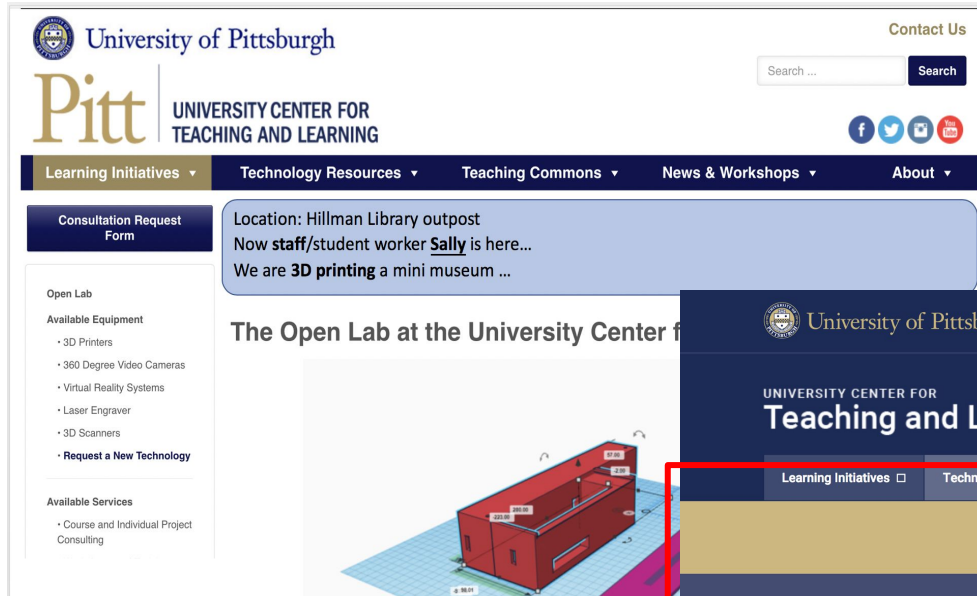
[teaching.pitt.edu/openlab](http://teaching.pitt.edu/openlab)

[open-lab@pitt.edu](mailto:open-lab@pitt.edu)

**Pitt** UNIVERSITY CENTER FOR  
TEACHING AND LEARNING

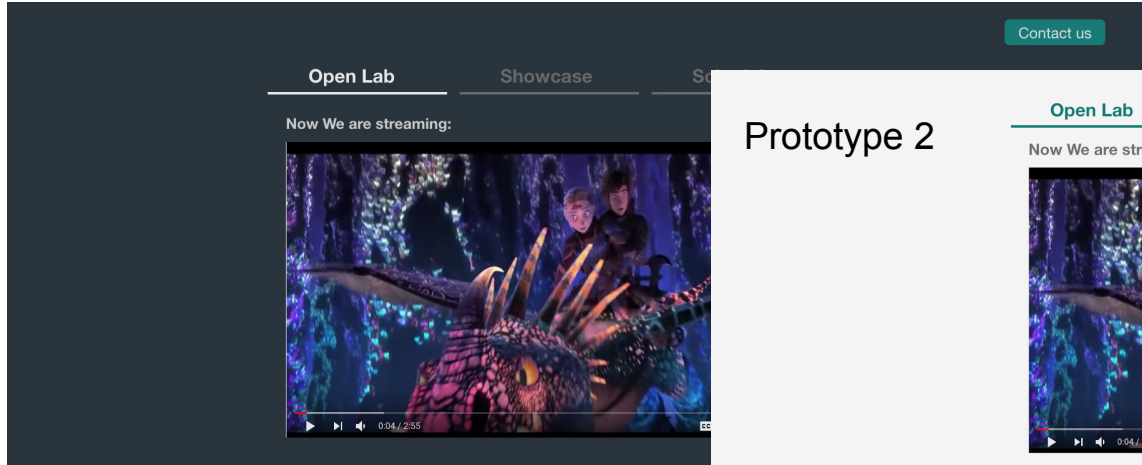
The Teaching Center's Open Lab  
serves the growing interest in the Pitt

# User Interface

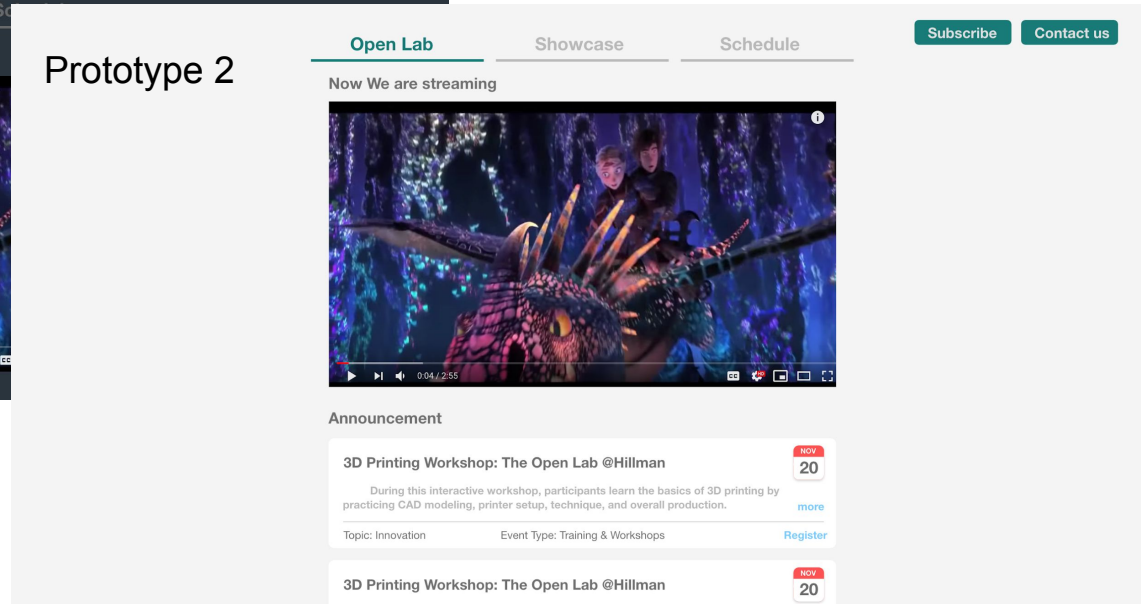


# User Interface


## Prototype 1



## Prototype 2



# User Interface

 University of Pittsburgh

[Open Lab](#)[Showcase](#)[Subscribe](#)[Schedule](#)

### Announcement

#### Blackboard: Using the Grade Center (2018-12-01)

31

Organized by the Pittsburgh Council on Higher Education and hosted by the University of Pittsburgh, the symposium is a day-long conference on Monday, March 11, 2019, for faculty, teaching assistants, and faculty support specialists from colleges and universities in Pennsylvania and its adjacent states. Registration will open next month and cost \$25 per person (no charge for graduate student teaching assistants).

[3D printing](#)[Seminar](#)

#### Blackboard: Using the Grade Center (2018-12-01)

31

Organized by the Pittsburgh Council on Higher Education and hosted by the University of Pittsburgh, the symposium is a day-long conference on Monday, March 11, 2019, for faculty, teaching assistants, and faculty support specialists from colleges and universities in Pennsylvania and its adjacent states. Registration will open next month and cost \$25 per person (no charge for graduate student teaching assistants).

[3D printing](#)[Seminar](#)



# Video DEMO

