









The Lab Space

What is FJLRS?

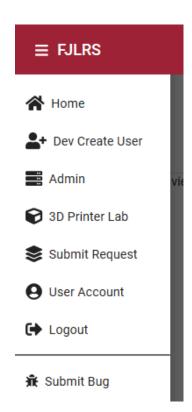
- Online webapp that allows students to submit print jobs to a queue
- Allows staff to have a single point to view the queue, interact with the jobs, and update the status

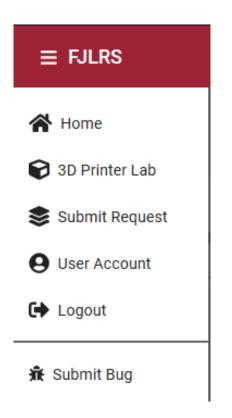
Submit Print Job Assign a printer and start the job (optional) Add comments and hold

Why?

- The current system for the print lab is inconvenient.
- Students must email to schedule an in-person consultation in order to print.
- · Jobs are manually added to an Excel file to track them.



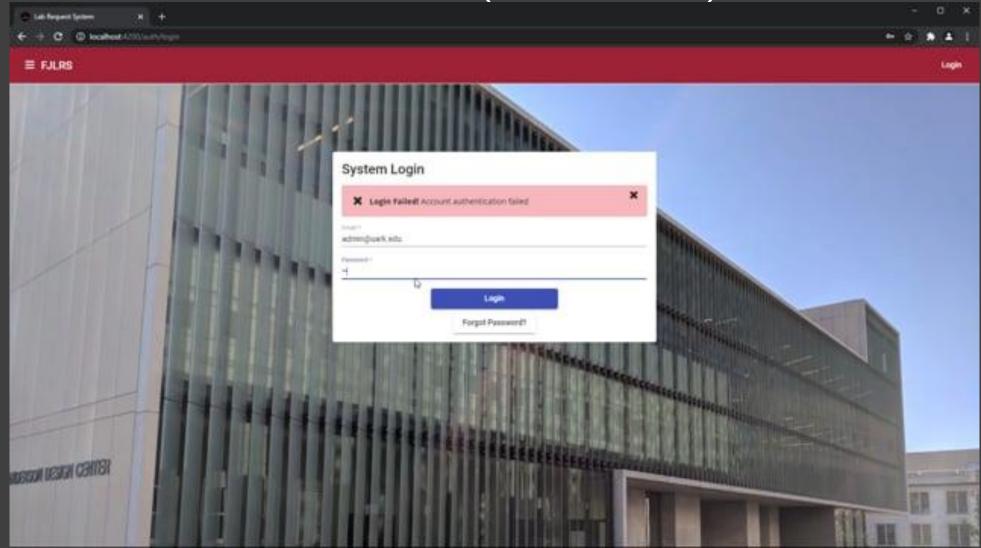




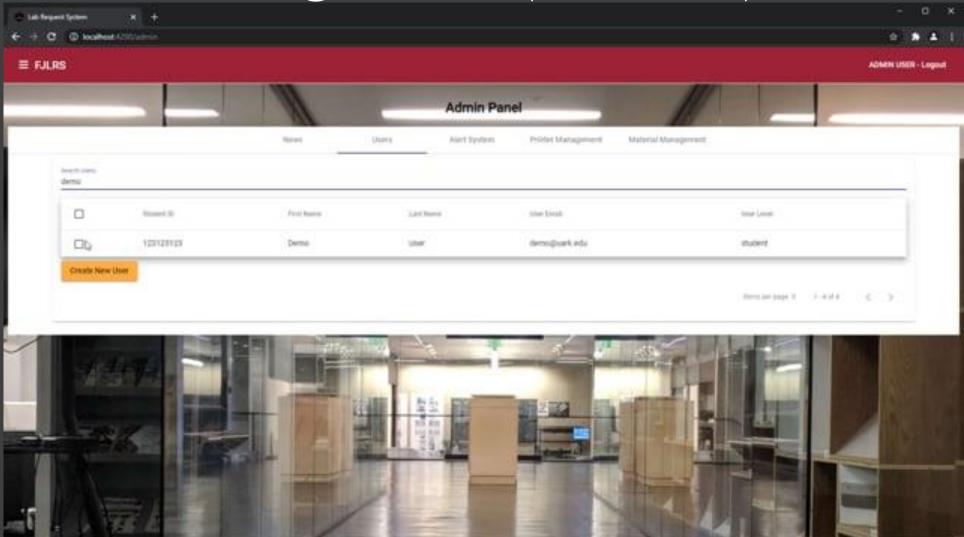
Employee & Student Navigation Views

Admins have exclusive capabilities

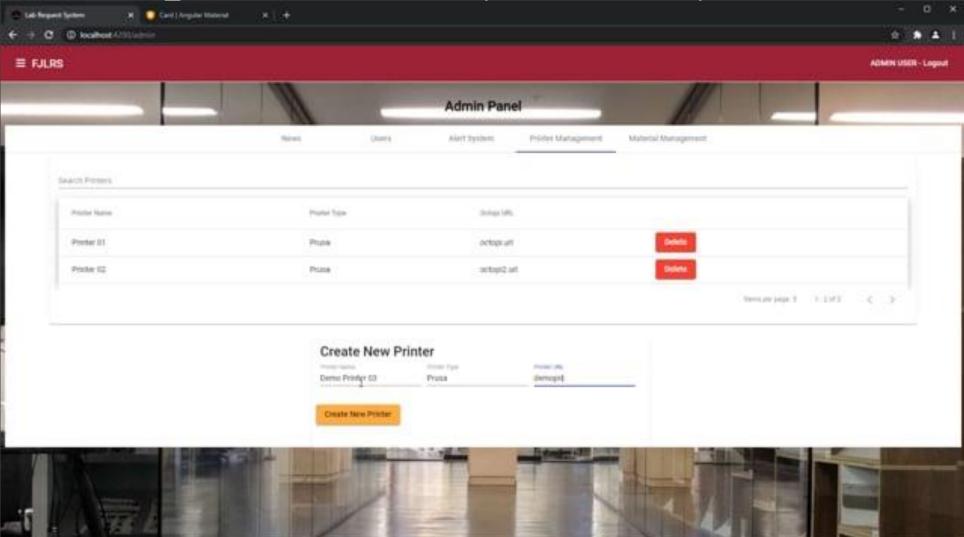
User Enrollment (ADMIN)



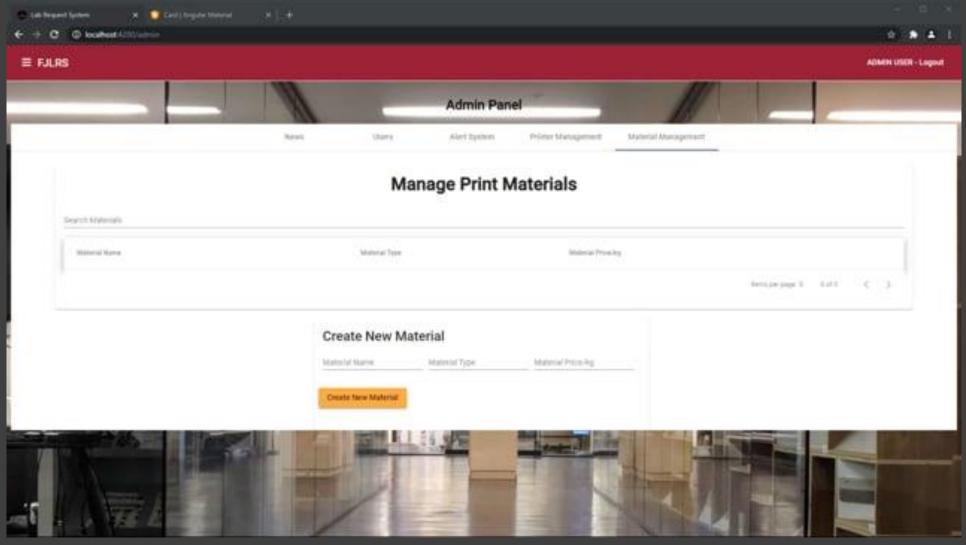
User Management (ADMIN)



Manage Printers (ADMIN)



Manage Materials (ADMIN)



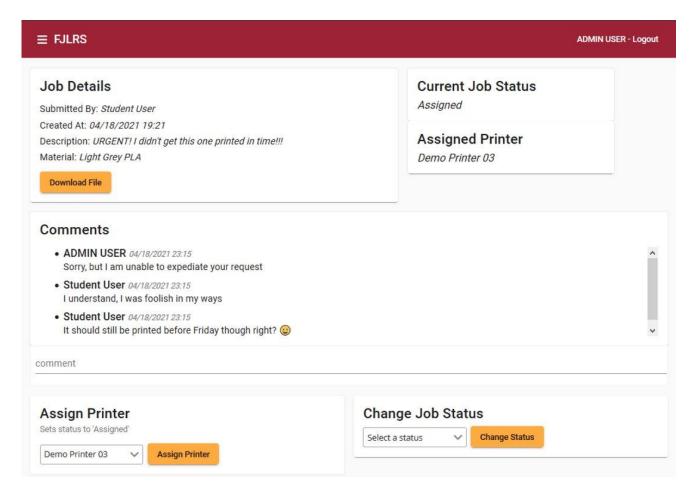
Submitting a File and Queue Job

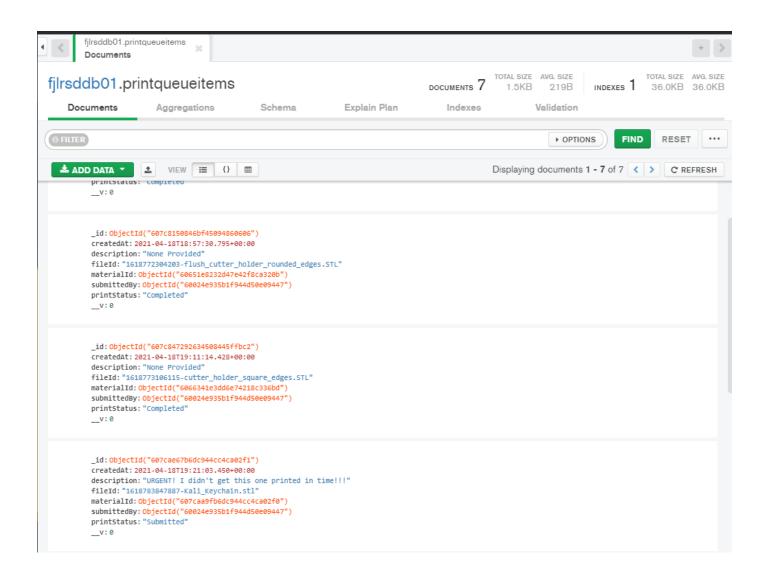


Print Queue Overview

3D Print Lab					
	Current Print Queue	Completed Print Jobs	Table View Settings		
ch Print Jobs					
Description	Material ID		Created At	Submitted By	Status
URGENT! I didn't get this one printed in time!!!	607caa9fb6dc9	607caa9fb6dc944cc4ca02f0		Student User	Submitted
LAB JOB - For cubby hole project	607caa82b6dc9	607caa82b6dc944cc4ca02ee		Employee User	Submitted
LAB JOB - Filament organizers	607caa89b6dc9	944cc4ca02ef	2021-04-18T19:21:03.450Z	Employee User	Submitted
None Provided	607caa82b6dc	944cc4ca02ee	2021-04-18T19:21:03.450Z	Demo User	Submitted

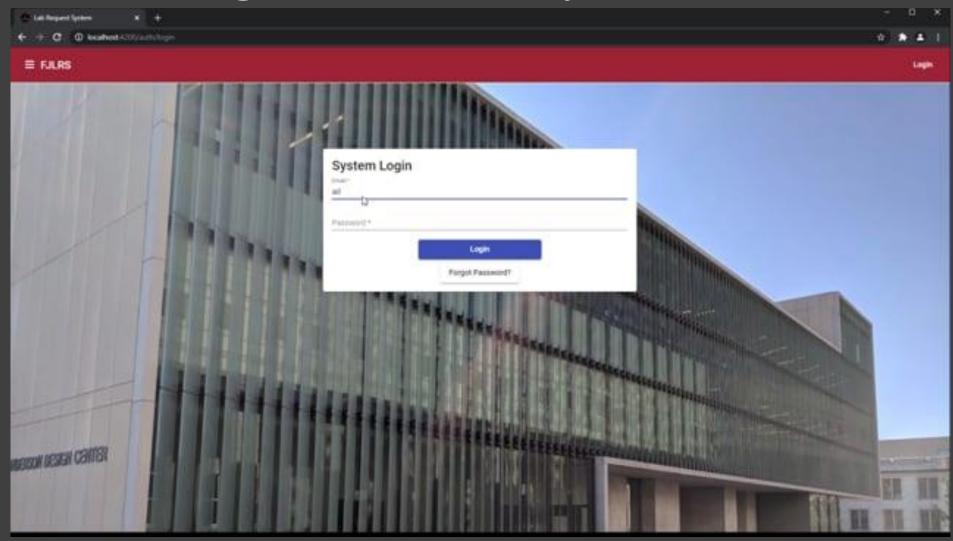
Print Queue Detail





Print Queue in Database

Checking the Print Queue



In the Future



Update the student when their job is complete



Adding an STL Viewer to allow for users and admins to view the file in real time



Ability to upload multiple files per job item submission



Generate a dynamic invoice that takes the size and material prices into account

Thank you!