

BACKGROUND

Last year a capstone design team started creating an online platform for UofI students to reserve machines. This would allow students and faculty to know which machines are in use as well as collect billing code information to collect funds to upkeep the machines. Our team's goal is to finish the previous team's project.

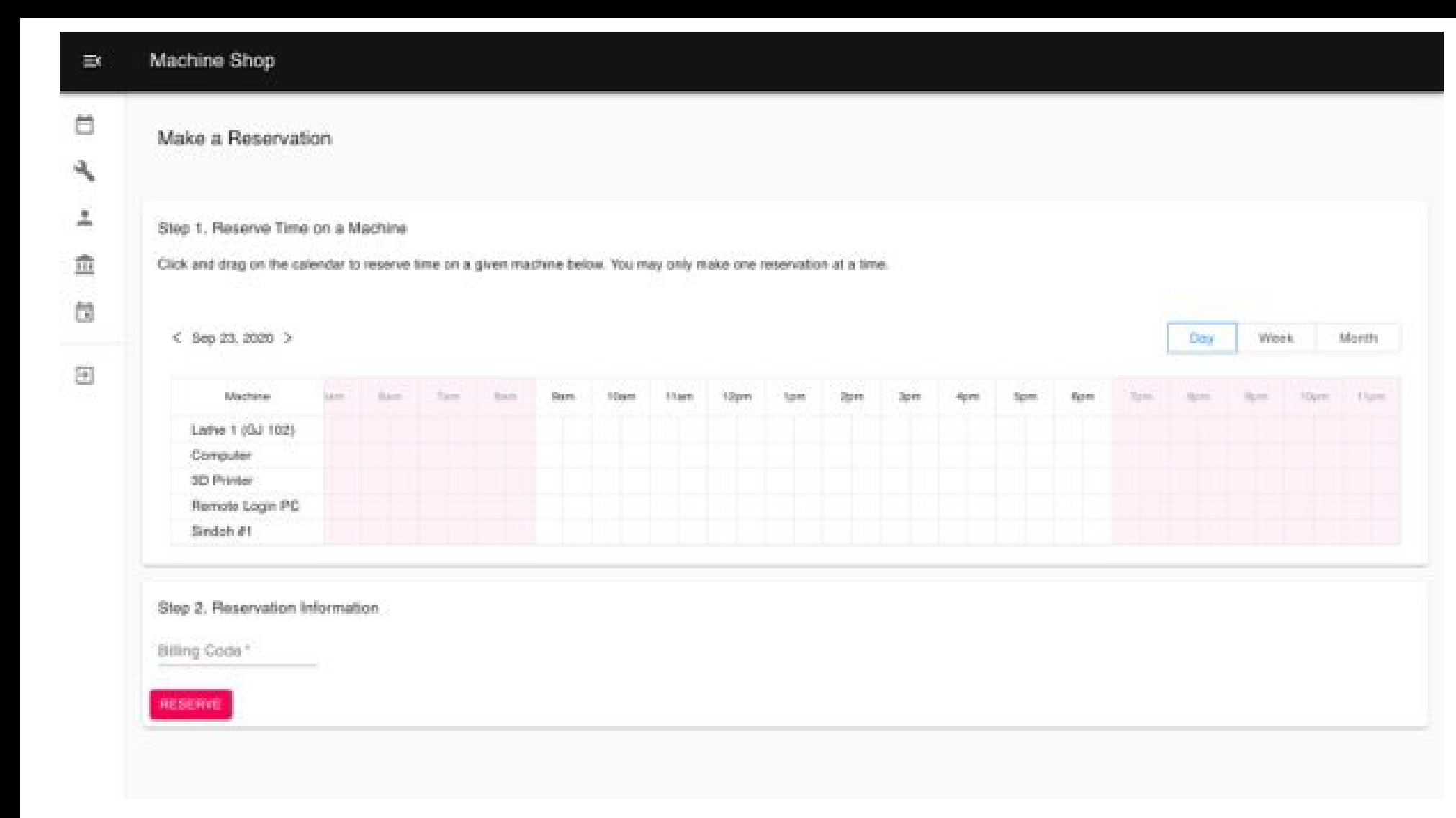
KEY REQUIREMENTS

- Authenticate users.
- Allow users to create reservations with billing codes.
- Make the web utility visually appealing.
- Long lifetime with no maintenance.
- Allow admin to manage webpage and users.
- Provide summary reports for billing and usage.

CONCLUSION

After rebuilding the website from the ground up, we were able to create a visually appealing web application that uses modern utilities so that it's lifetime will last years.

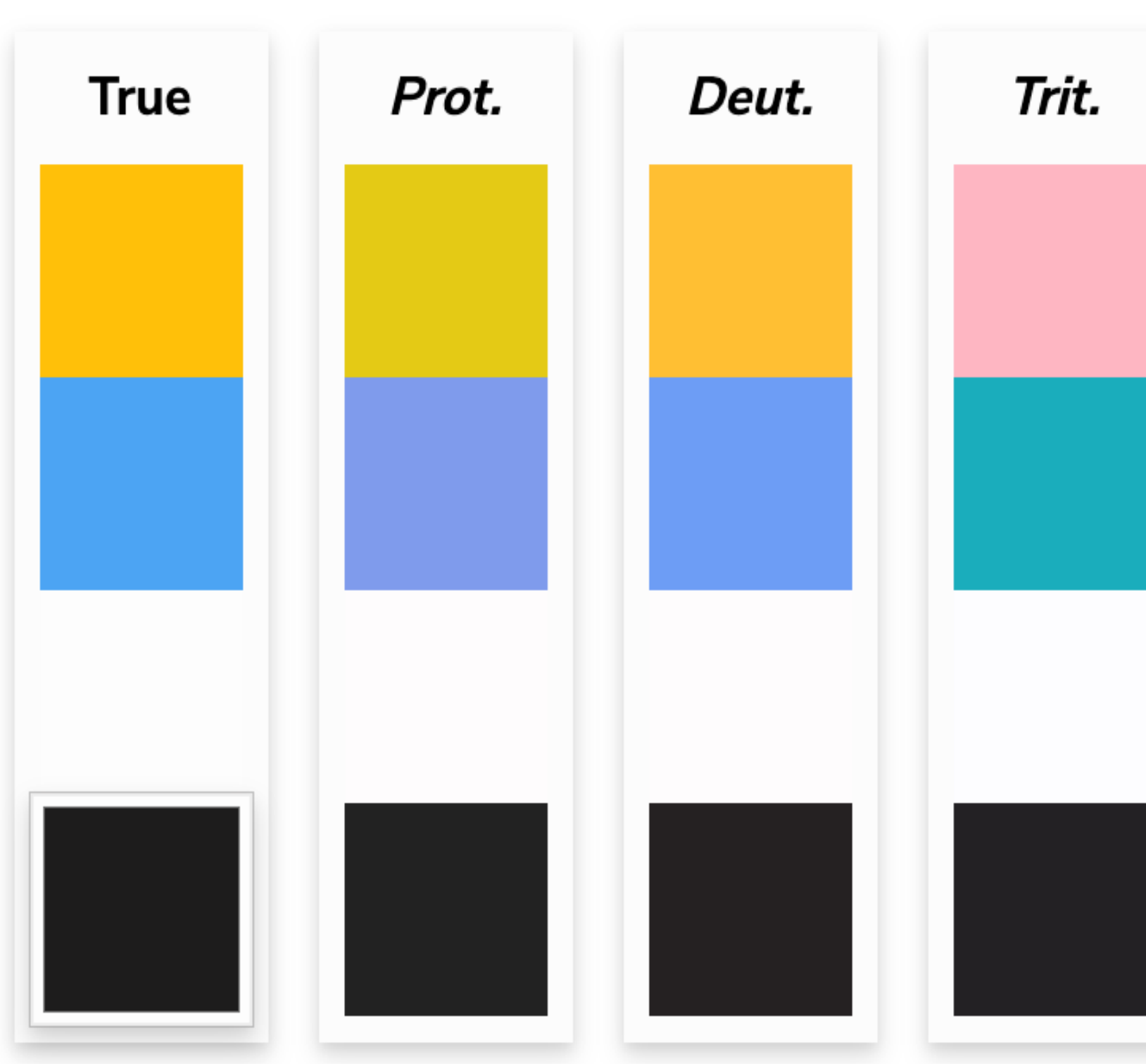
OLD DESIGN



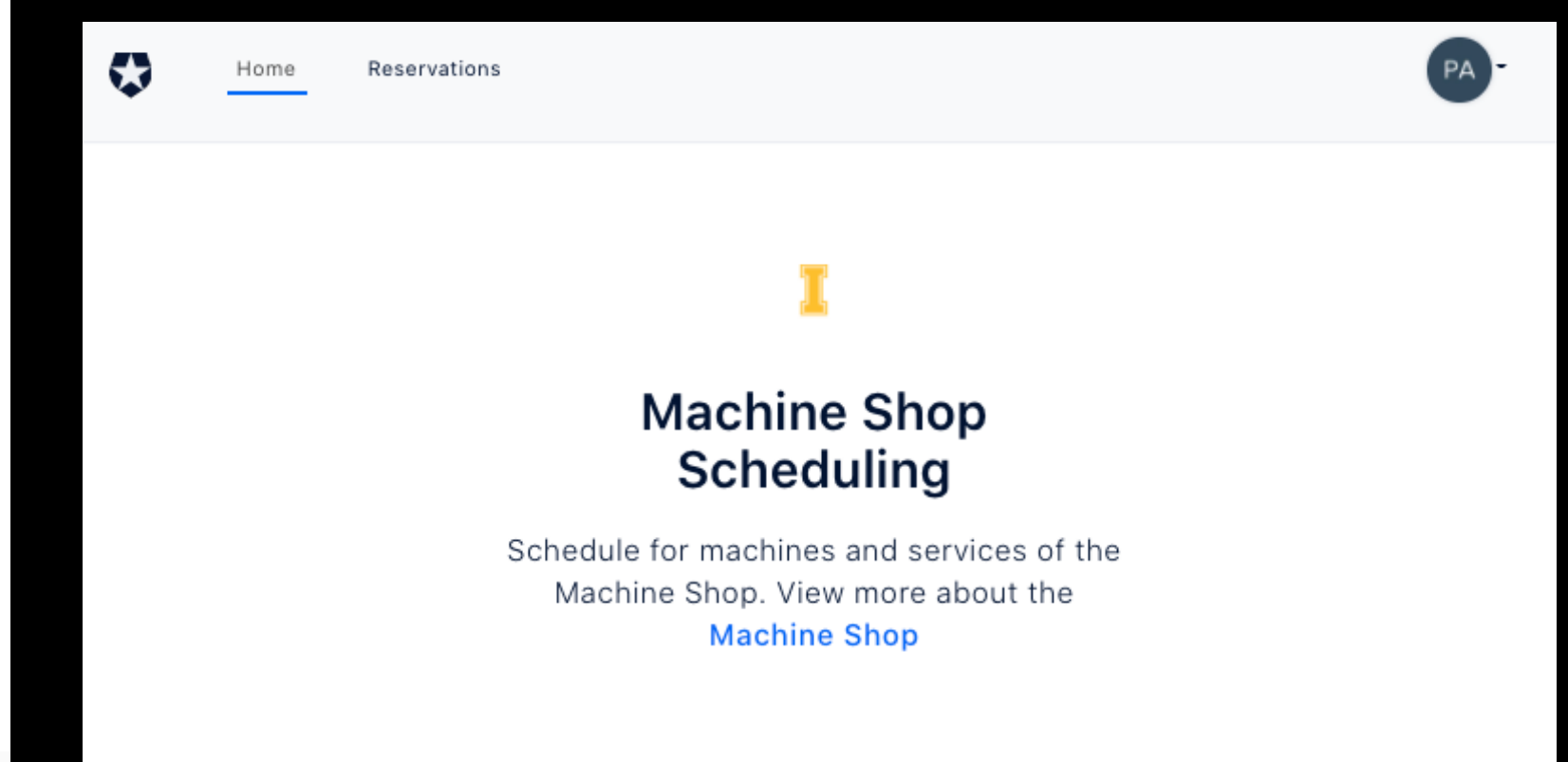
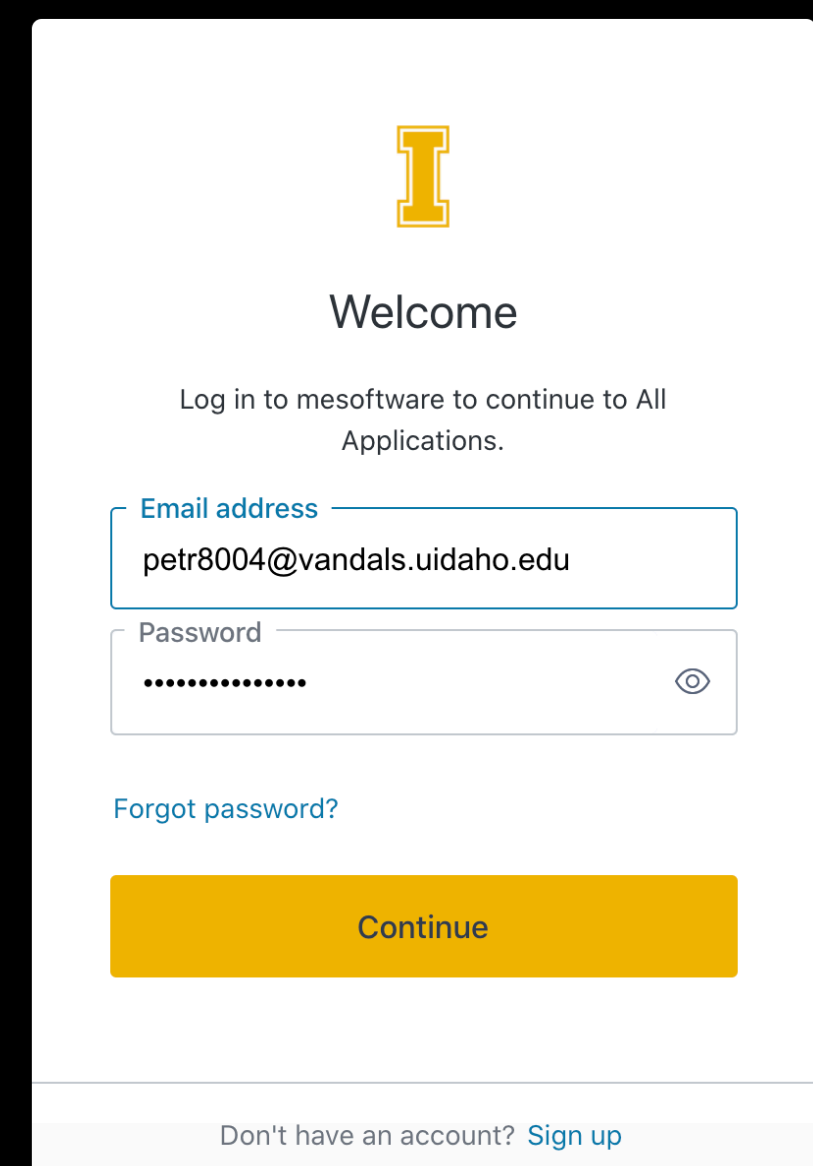
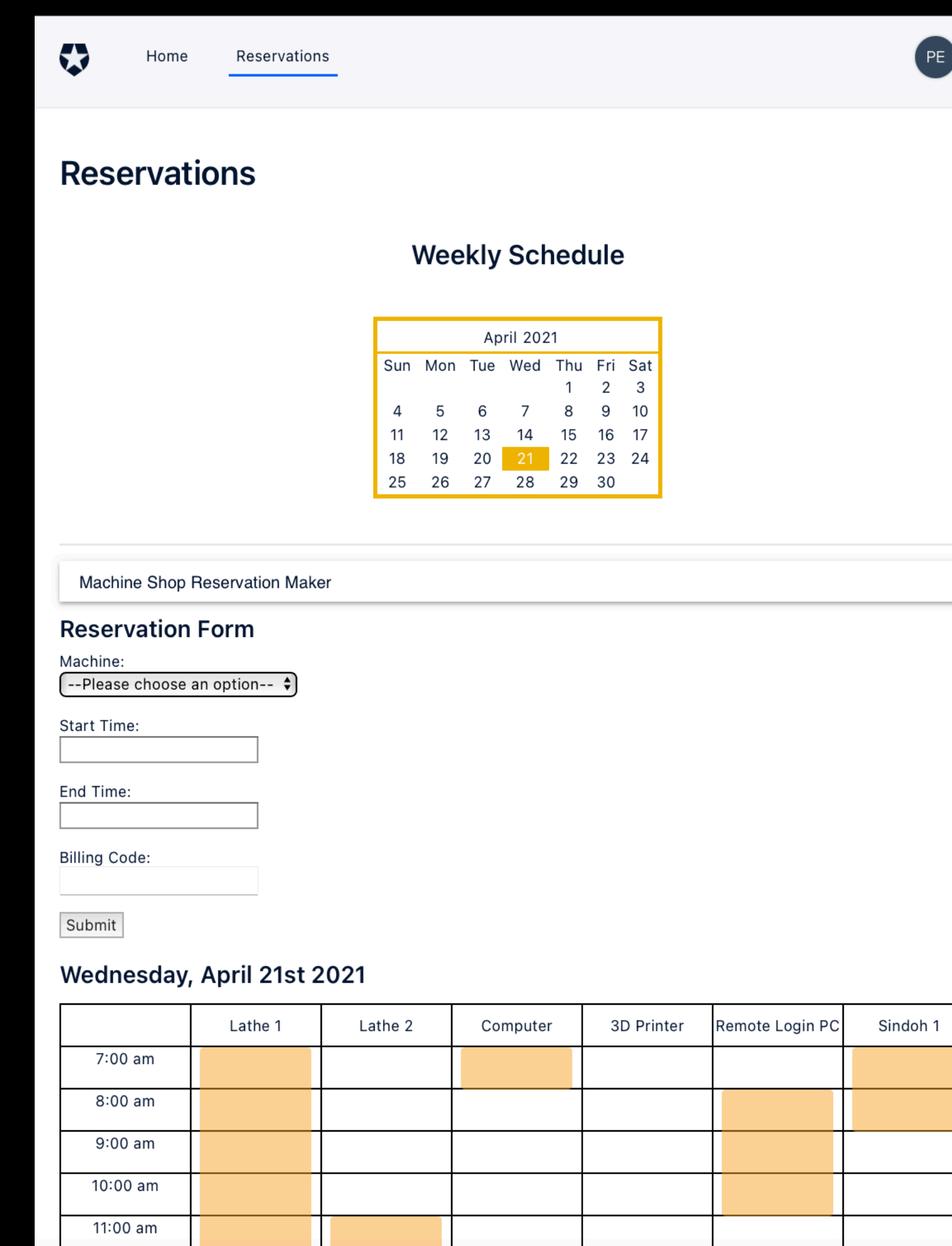
ACCESSIBILITY

1 in 6 people are colorblind. To be user friendly we chose an orange and blue for their contrast and developed a simple website design.

Color Palette



NEW DESIGN



FUTURE WORK

- Fix Issue when creating a new account.
- Fix Issue of website not working correct on Chrome.
- Fix Issue of website crashing when reloading the page.
- Fix Issue of website crashing when switching between user dropdown menu items rapidly.
- Work with Vandal Disability Support Services to ensure website is compatible with all technology.
- Implement Role Based Access Control for Grad Students.