

High Level Design:

Must Haves:

- Web based app
- Scheduling function
- Profile creation page (sign up with username and password)
- Login page
- Users:
 - Students: ability to view equipment and equipment descriptions, view safety videos and instructions, access to emergency button, submit requests for equipment, and view if the Makers Space is open/closed
 - Workers: ability to edit the status of Makers Space (if it is open or closed), access to emergency button, and ability to approve/deny requests sent in by students
 - Admins: Ability to add students (CS majors/minors or student in association with a club that has access to the Makers Space), workers, and new equipment/ equipment descriptions, also have ability to do everything students and workers can do ("God view")

Should Haves:

- Easy accessibility
- Be able to run on all devices

Could Haves:

- Safety training completion certification in each users profile
- In- person training
- User can request extra training on a piece of equipment
- Stats dashboard

Would Haves:

- Open AI language model for tutorials on how to use equipment