Menu

FABLAB Users Machines Authorizations Maintenance Interventions Usage history Roles Machine types Logout

Roles

This is to configure user priviledge levels.

View

Roles

This system page configures the possible role of the users



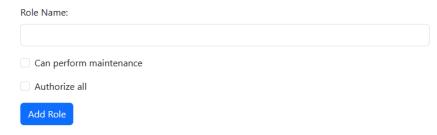
ID	Name	Reserved	Maintenance?	Authorize All?	Action
1	admin	True	True	True	Edit Delete
2	staff	False	True	False	Edit Delete
3	fab users	False	False	False	Edit Delete

Maintenance = The user can perform maintenance by tapping the card on machine board

Authorize all = User can use any machine in any state

Add new role

Add Role



Edit existing role

Edit Role

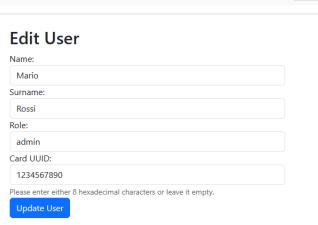


Users

Users are identified by their RFID card ID. There is no strong authentication of RFID cards in the Arduino board, only chip ID.

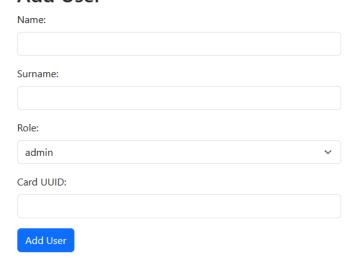
View FABLAB Users Machines Authorizations Maintenance Interventions Usage history Roles Machine types Logout **Users** List of machines and web interface users ID Name Surname Role Card UUID Action 1234567890 Mario Rossi admin Edit Andrea fab users None Edit existing user

FABLAB



Add new user

Add User



The card UUID is displayed on the arduino LCD when tapping an unknown card.

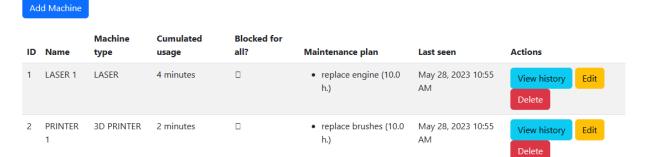
Machines

View machines

FABLAB Users Machines Authorizations Maintenance Interventions Usage history Roles Machine types Logout

Machines

Use this page to view and configure FabLab machines.



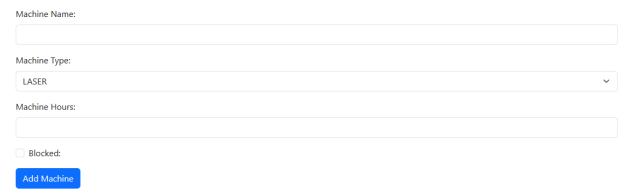
Edit machine

Edit Machine



Add machine

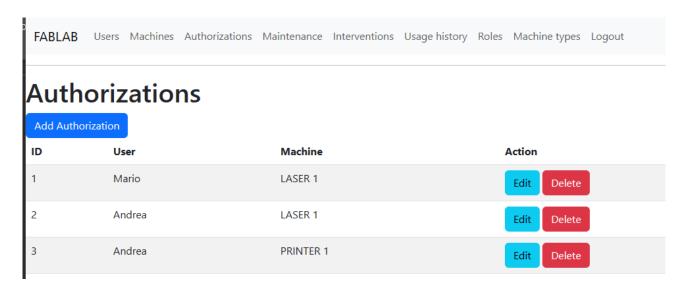
Add Machine



Authorizations

Authorizations maps users to machines. If a user belongs to a rôle with «Authorize all », the authorizations list is ignored. This can be useful if the FabLab does not want to implement authorization for fab users.

View authorizations



Add authorization



Edit authorization

FABLAB

Edit Authorization

User

Mario

Machine

LASER 1

Update Authorization

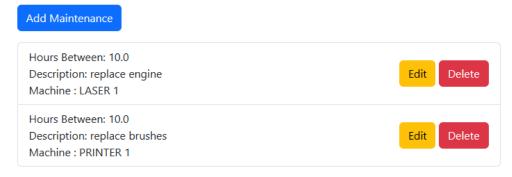
Maintenance

This is for regular maintenance which shall be triggered every X hours of use.

View

Maintenances

This system page configures the possible maintenances actions of the machines



Edit

Edit Maintenance



Add new maintenance

Add Maintenance

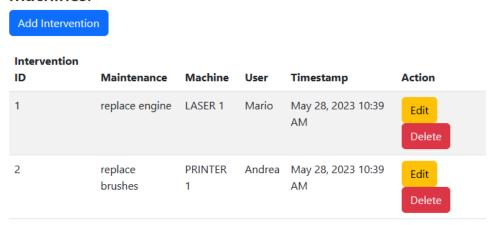


Interventions

View

Interventions

This is the list of performed maintenance actions on the machines.



Add manually

Interventions will be created automatically by tapping the card on the machine board, but can be added manually if the maintenance was done ofline.

Add Intervention



Edit interventions

FABLAB

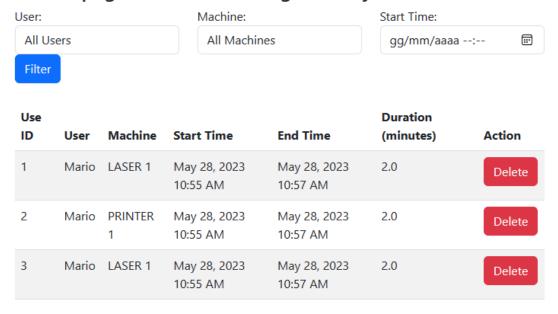
Edit Intervention



View

Usage History

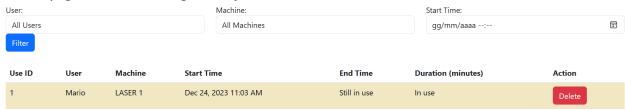
Search page for machine usage history



If a machine is in use, row is highlighted:

Usage History

Search page for machine usage history



Machine types

View

Machine Types

This page defines the categories of machines in the LAB.

Add Machine Type							
ID	Machine type	Auto-logoff	Action				
1	LASER	1000 min	Edit Delete				
2	3D PRINTER	disabled	Edit Delete				
3	DRILL	1440 min	Edit Delete				

Add/Edit

Auto logoff delay: if a user remains active more than X minutes on the machine, the arduino board will log him off. When set to 0, there is no log-off.

Edit Machine Type

Type Name	į		
LASER			
Auto-logo	f delay		
(minutes)		
1000			
Submit			

Technical details

- https://github.com/fablab-bergamo/rfid-backend
- Flask python application + MQTT client

TODO/MISSING

- Web authentication
- PDF upload for maintenance procedures