

APP client and management process introduction

Overview - Client

The current version of this app implements the following

- functions:
1. Users scan the QR code of the machine to obtain the tasks to be completed (inspection items, etc.) of the machine, as well as the basic information of the machine, precautions, etc. item.
 2. To-do items support submission of pure data, pure images, and a combination of images and data. 3. Images will be uploaded to the specified folder on the server and can be read as URL links.
 4. The data format will be checked before uploading, such as temperature (30-100), submitting 120 will be rejected

Client Example - Scan the QR code to get the to-do items of the machine. The homepage of

the App is shown in Figure 1. Clicking the scan icon in the upper right corner or the center of the screen will open the camera (requires the user to authorize the camera to use the permission) to scan the QR code. The QR code scanning interface is shown in Figure 2. If the QR code is successfully obtained and the machine is registered in the database, the user will see the to-do items that can be executed by the machine, as shown in Figure 3. If it is not a company QR code or the machine is not registered, the user will be prompted and exit (next version).



Figure 1: app homepage



Figure 2: Scan interface



Figure 3: To-do items interface

Client Example - Complete To-Do Example

Figure 1 is an example of pure data upload, and Figure 2 is an example of image upload. The data legitimacy (scope, type) will be checked before uploading. Images can be

You can also select from the album and shoot on the spot, as shown in Figure 3.



Figure 1: Data types



Figure 2: Image type



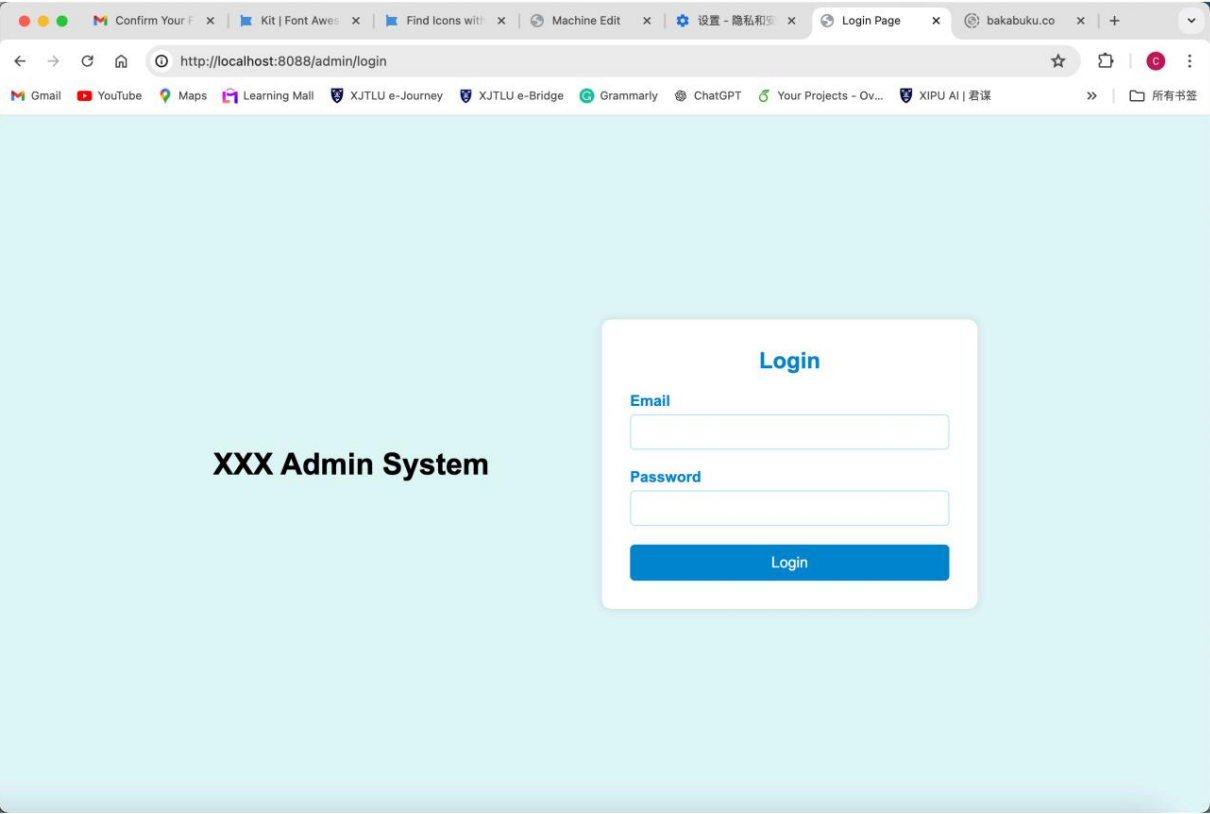
Figure 3: Image upload details

Overview - Management

1. Login - Administrator Authentication
2. Machine management: update the machine name, description, notes, to-do list, and delete the machine.
3. Upload data visualization

Admin Example - Authentication

If you are not logged in, you will be redirected to the login page. After logging in, the same browser will not perform password verification for two hours.



Management Example - Machine Management

Figure 1 is the main page of machine management. Click the task button to quickly update the task information as shown in Figure 2.

The name, the type of data required, and the specific requirements for the data. For example, a temperature point check of a machine currently requires both images and data.

The name is temperature, the unit is Celsius, the maximum value is 30 and the minimum value is 100.

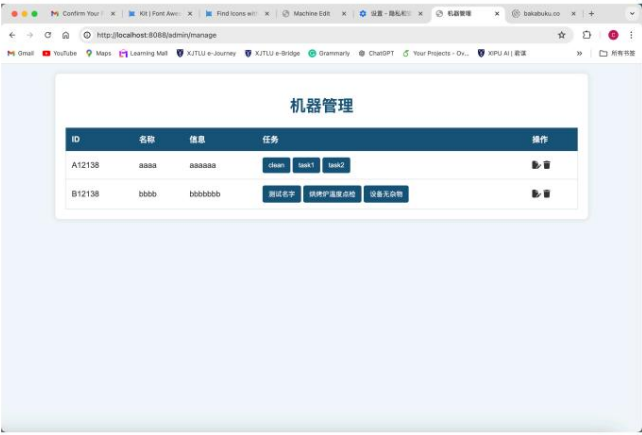


Figure 1: Management home page

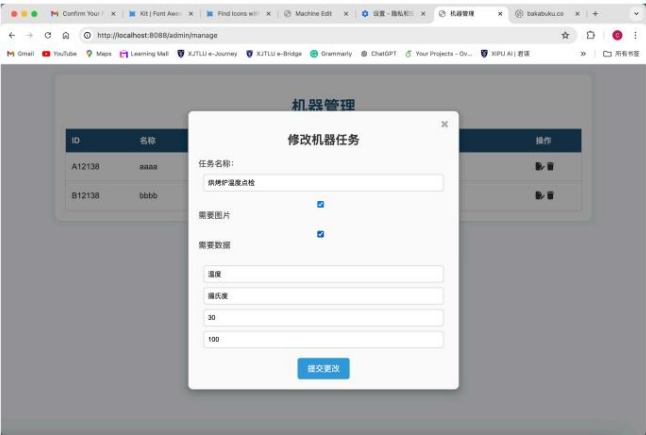
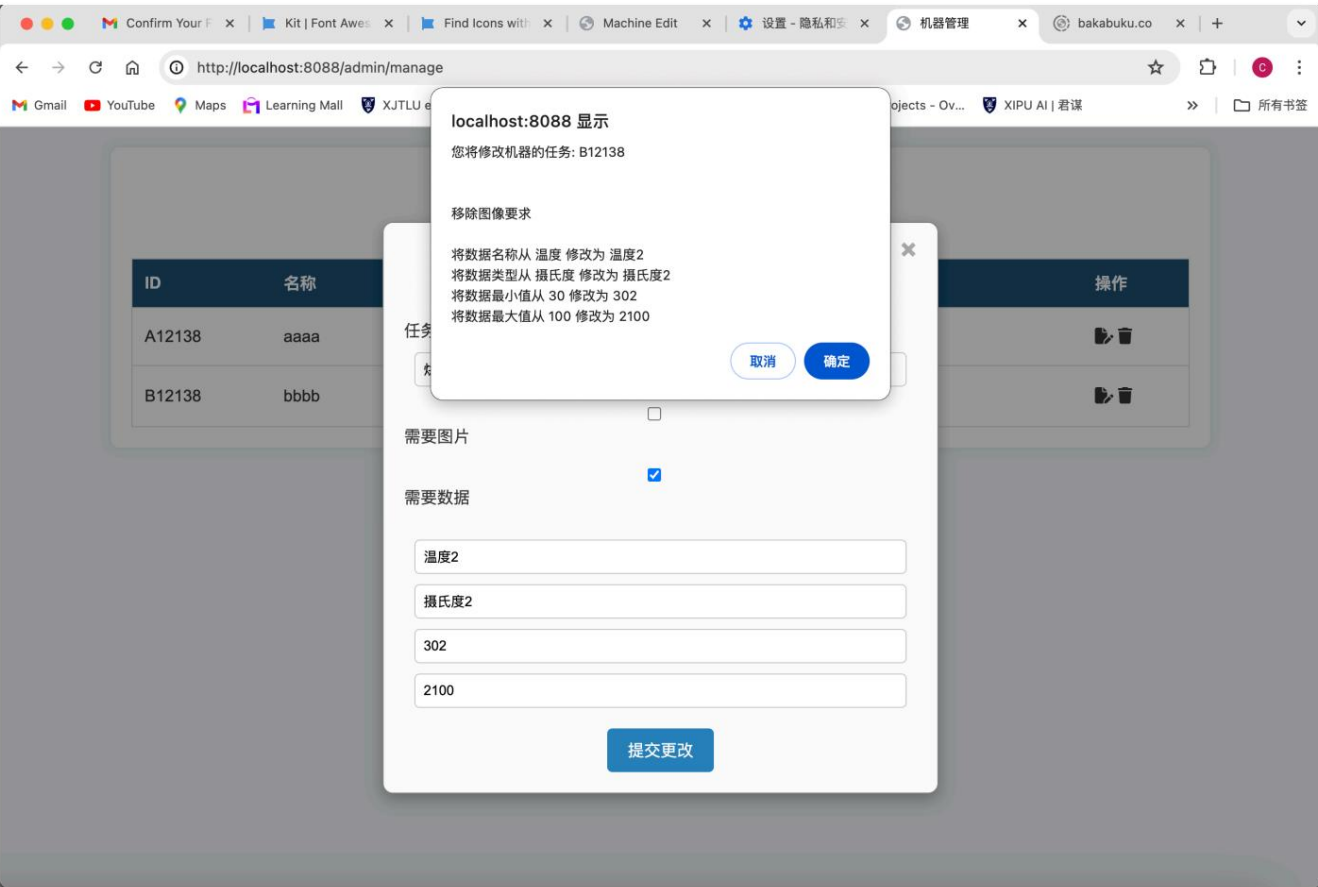


Figure 2: Quickly modify task properties

The modified parameters will be subject to a second warning verification as shown in Figure 3 to ensure data accuracy.



Modification example, change the task name to: Oven temperature inspection modified name

You can observe the update of the task name on the client

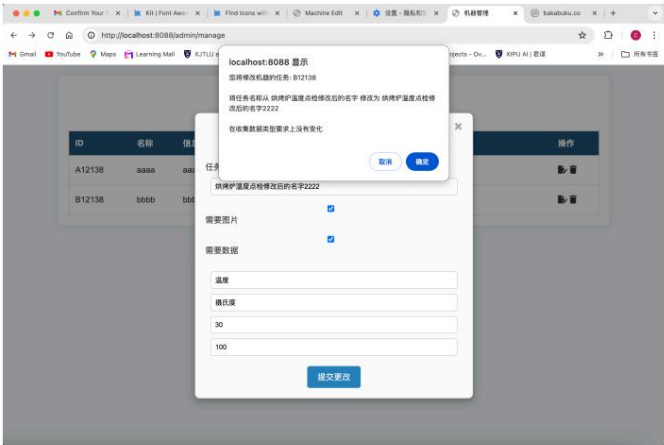
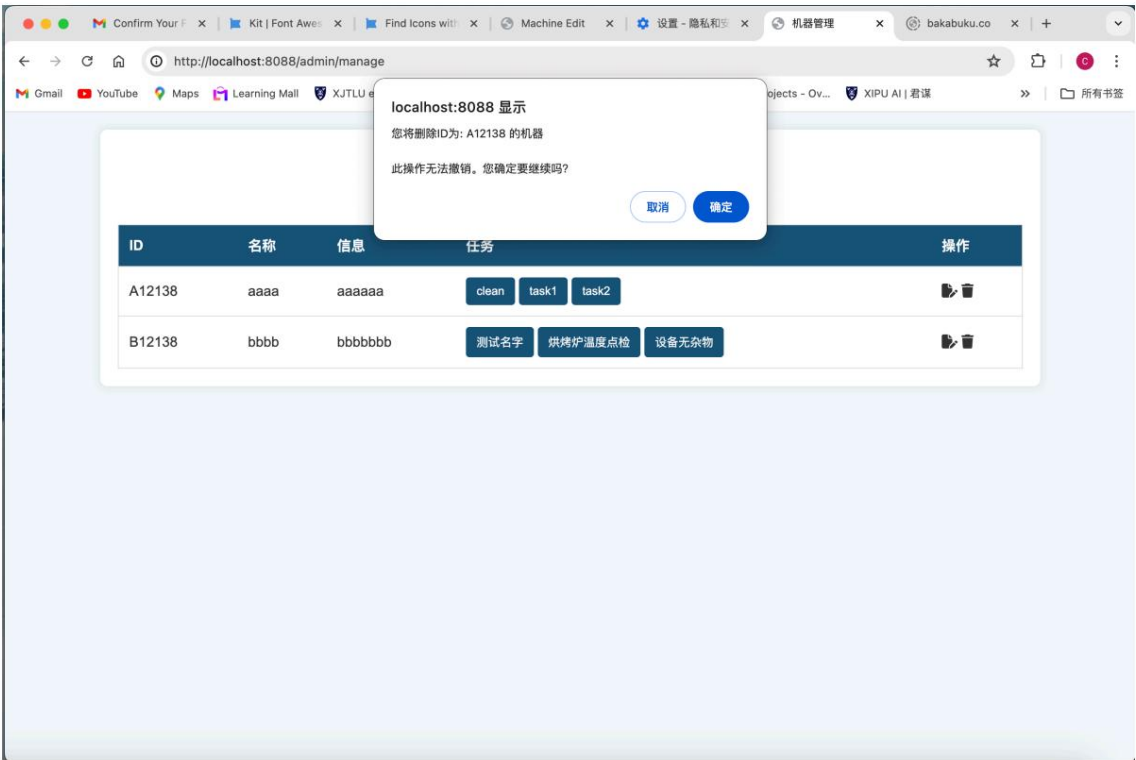


Figure 1: Modify the task name on the management side



Figure 2: Client feedback

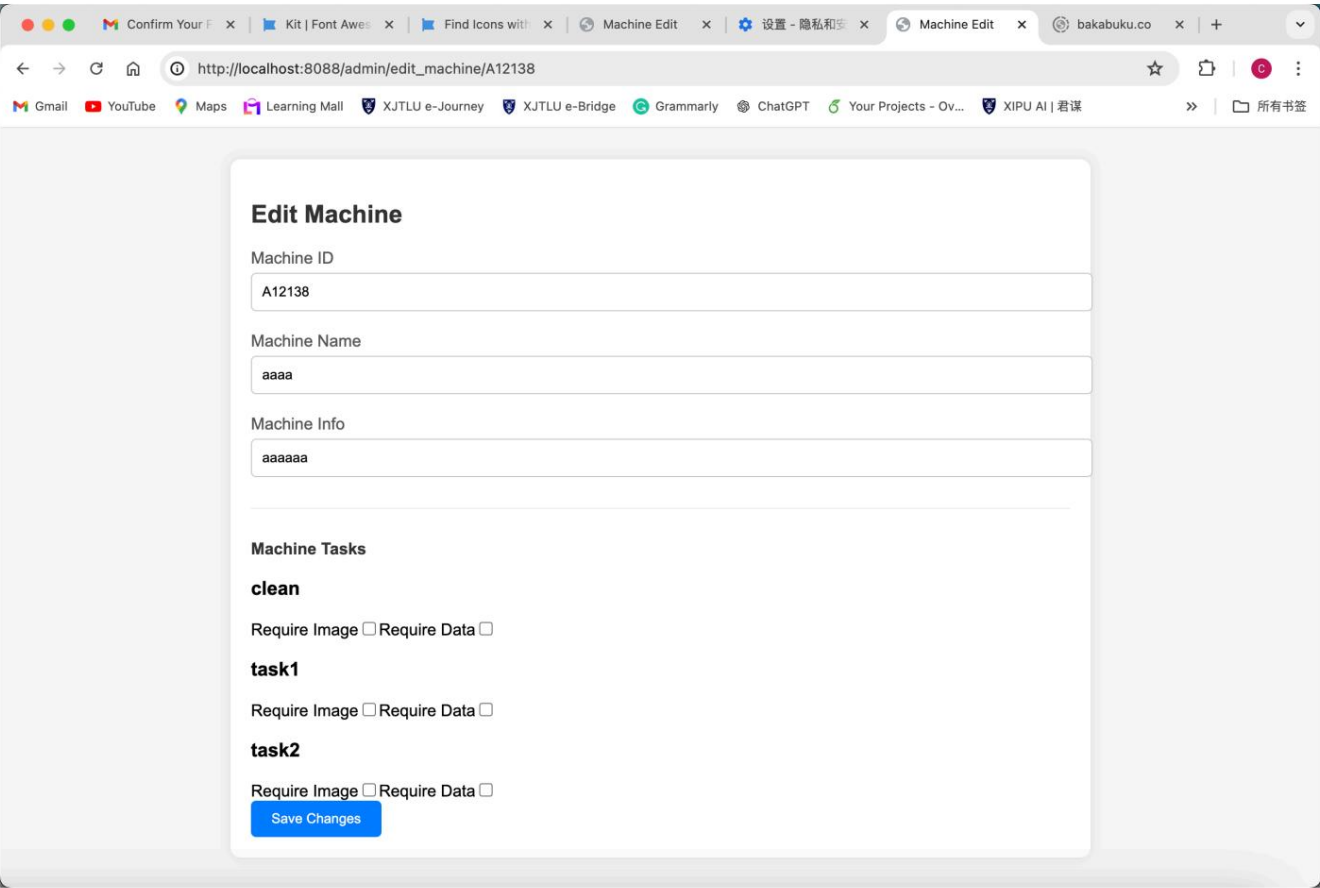
Likewise, the deletion of a machine will also be subject to secondary verification.



In addition

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You can click the Modify button in the Operation column to modify other properties of the machine. (In progress...)



This is the function that can be put into use so far. The unfinished functions in the plan (v0.1) include: adding machines to the homepage, modifying the Chinese version in detail

As well as UI updates and data visualization reports.