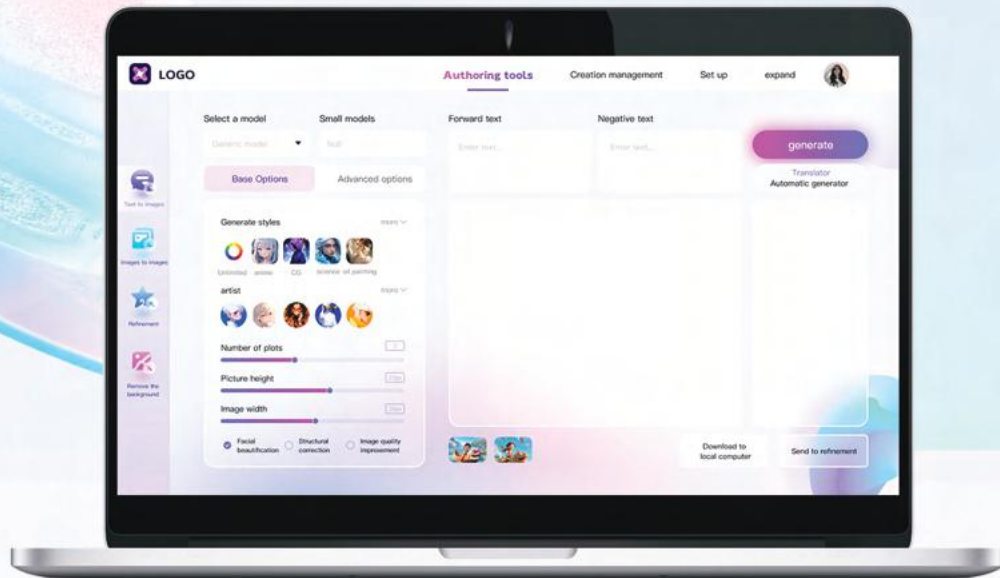# Vehicle Auxiliary Design Platform

PROJECT BACKGROUND

HUGE DEMAND GAP

STATISTICAL RESEARCH SHOWS THAT USING AI CAN IMPROVE THE EFFICIENCY OF CAR DESIGNERS IN GENERATING PICTURES BY 67%. HOWEVER, DESIGNERS FEEL THAT THERE IS NO AI CAR PICTURE GENERATION SOFTWARE ON THE MARKET, AND EXISTING SOFTWARE IS DIFFICULT TO USE.

VARIETY OF AUTOMOTIVE DESIGNER USER NEEDS

CAR DESIGNERS HOPE TO HAVE A DESIGN SOFTWARE THAT HAS THE FUNCTIONS OF TEXT GENERATION, PICTURE GENERATION, AND PICTURE REFINEMENT.

PROJECT INTRODUCTION

WE HAVE DESIGNED AN END-TO-END SET OF DESIGNER-ASSISTED DRAWING SOFTWARE, IN WHICH THE UI CAN REALIZE THE DAILY NEEDS OF DESIGNERS, SUCH AS GIVING PICTURE INSTRUCTIONS TO GENERATE PICTURES, GIVING TEXT INSTRUCTIONS TO GENERATE PICTURES, AND DOING PICTURE REFINEMENT BASED ON

USER ANALYSIS

VEHICLE DESIGNER
6 YEARS EXPERIENCE · BAY AREA

- **DEMAND**

I REALLY HOPE TO HAVE A SET OF AI DRAWING TOOLS WITH A SIMPLE INTERFACE FOR ME TO USE

- **PAIN POINT**

THERE IS CURRENTLY NO SUCH SOFTWARE

LEARNING

INDEPENDENCE

COLLABORATION
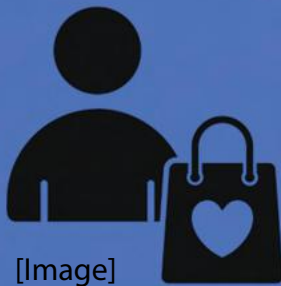
VEHICLE CUSTOMER
0 YEAR DESIGN EXP · SAN JOSE

- **DEMAND**

HOPE TO DESCRIBE THE IDEA VEHICLE DESIGN BUT HAVE NO DESIGN BACKGROUND

- **PAIN POINT**

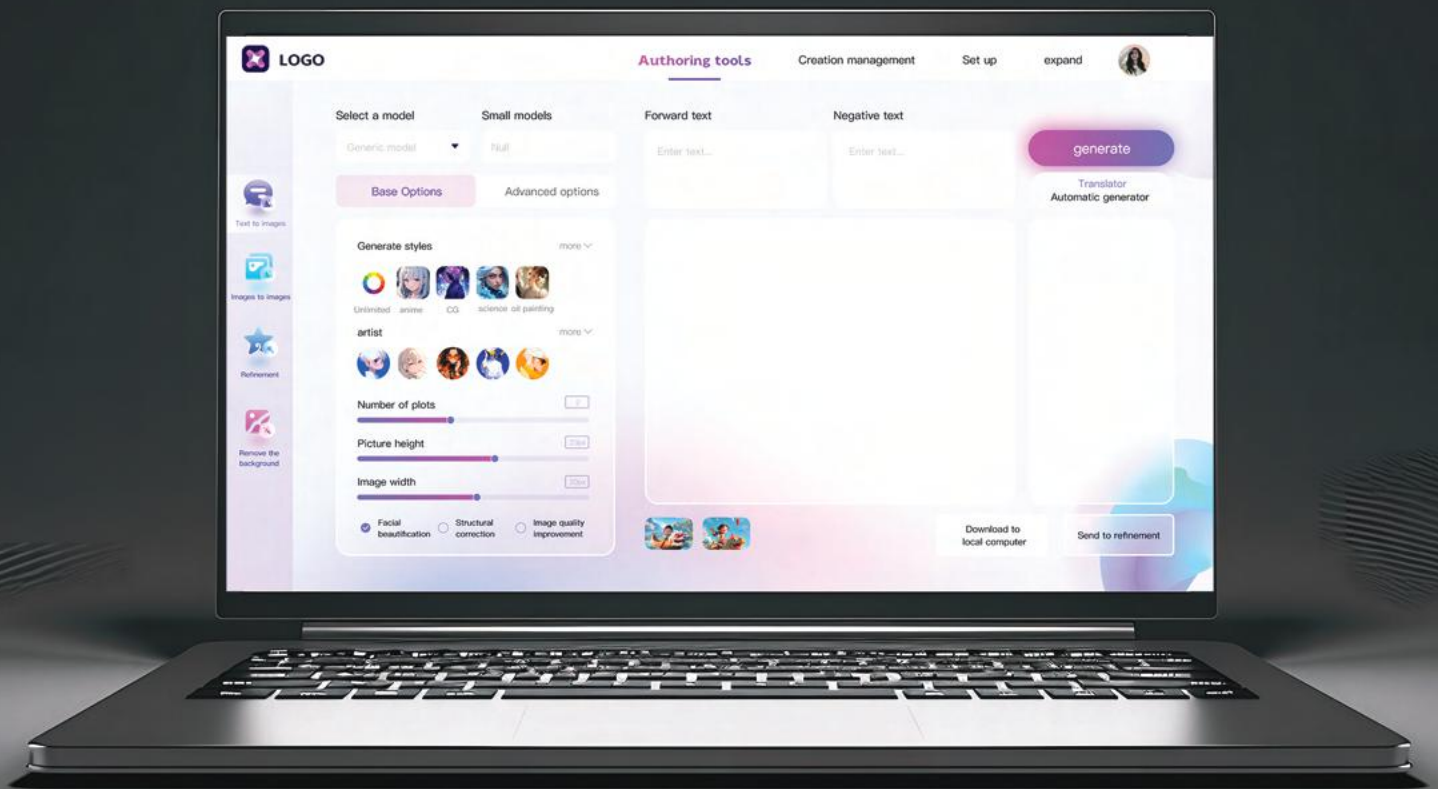DON'T KNOW WHAT IS A GOOD CAR DESIGN

LEARNING

INDEPENDENCET

COLLABORATION

[Image]

AI Gen Work

LOGO

Select a model   Small models   Forward text   Negative text

Generic model   Null   Enter text...   Enter text...

generate

Translator
Automatic generator

Base Options   Advanced options

Text to images

Images to images

Refinement

Remove the background

Generate styles   more

Unlimited   anime   CG   science oil painting

artist   more

Number of plots

Picture height

Image width

Facial beautification   Structural correction   Image quality improvement

Download to local computer   Send to refinement

---

text to image 1

This page needs to meet the designer's needs for using text to generate the image. Users can batch generate the required pictures according to their own needs and instructions.
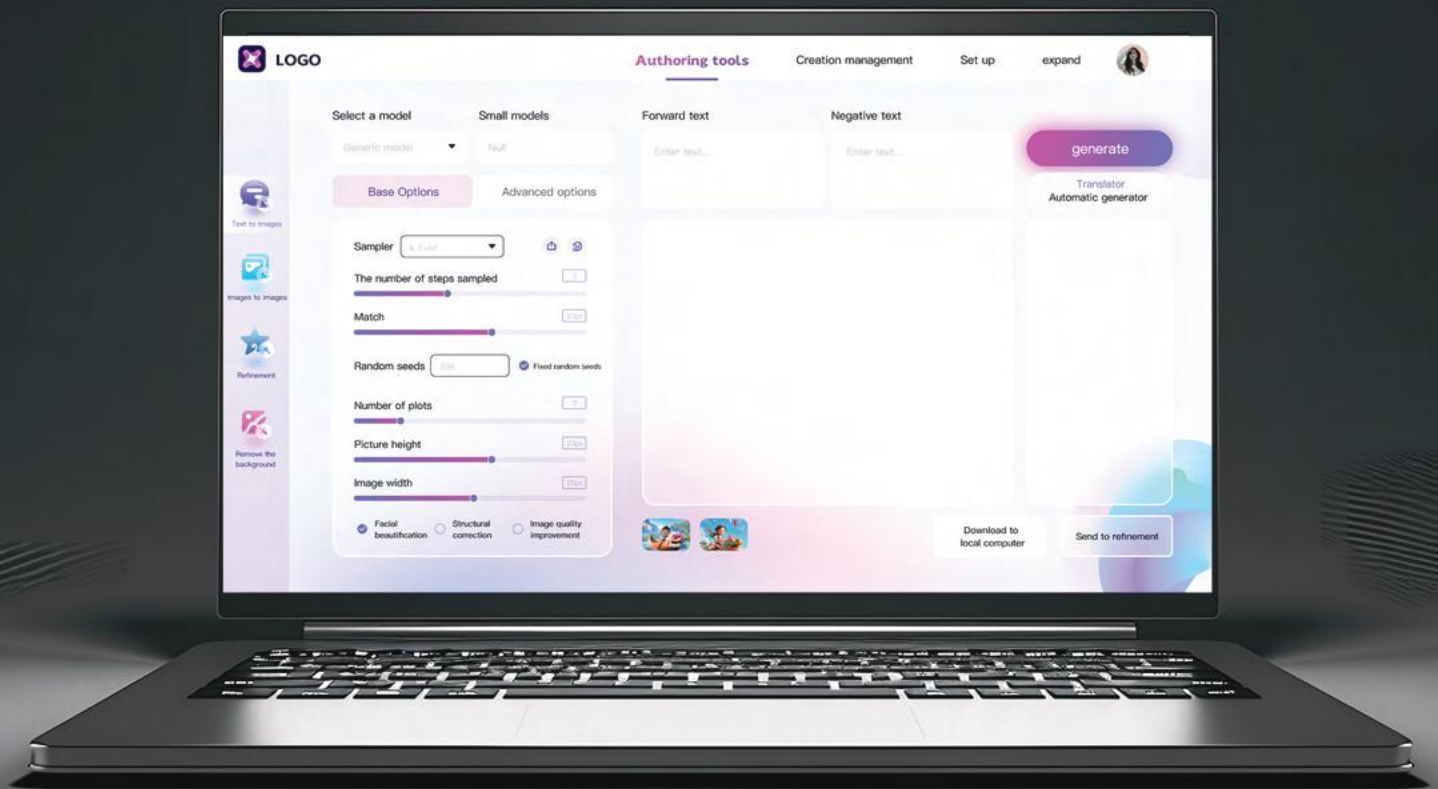

Features

Users can select the picture style and picture parameters they want to generate in the left TAB, and write their own demand instructions in the upper middle TEXT block to obtain the target generated picture.

Use Example

please generate vehicle with futurism style, nature lake in the background

text to image 2

This page contains more technical parameters. Users can batch generate the required pictures according to their own needs and instructions.

Features

On this page, users can choose more technical parameters, such as the sampling method used for pictures, the size of the sampling, the number of random seeds, etc.

Use Example

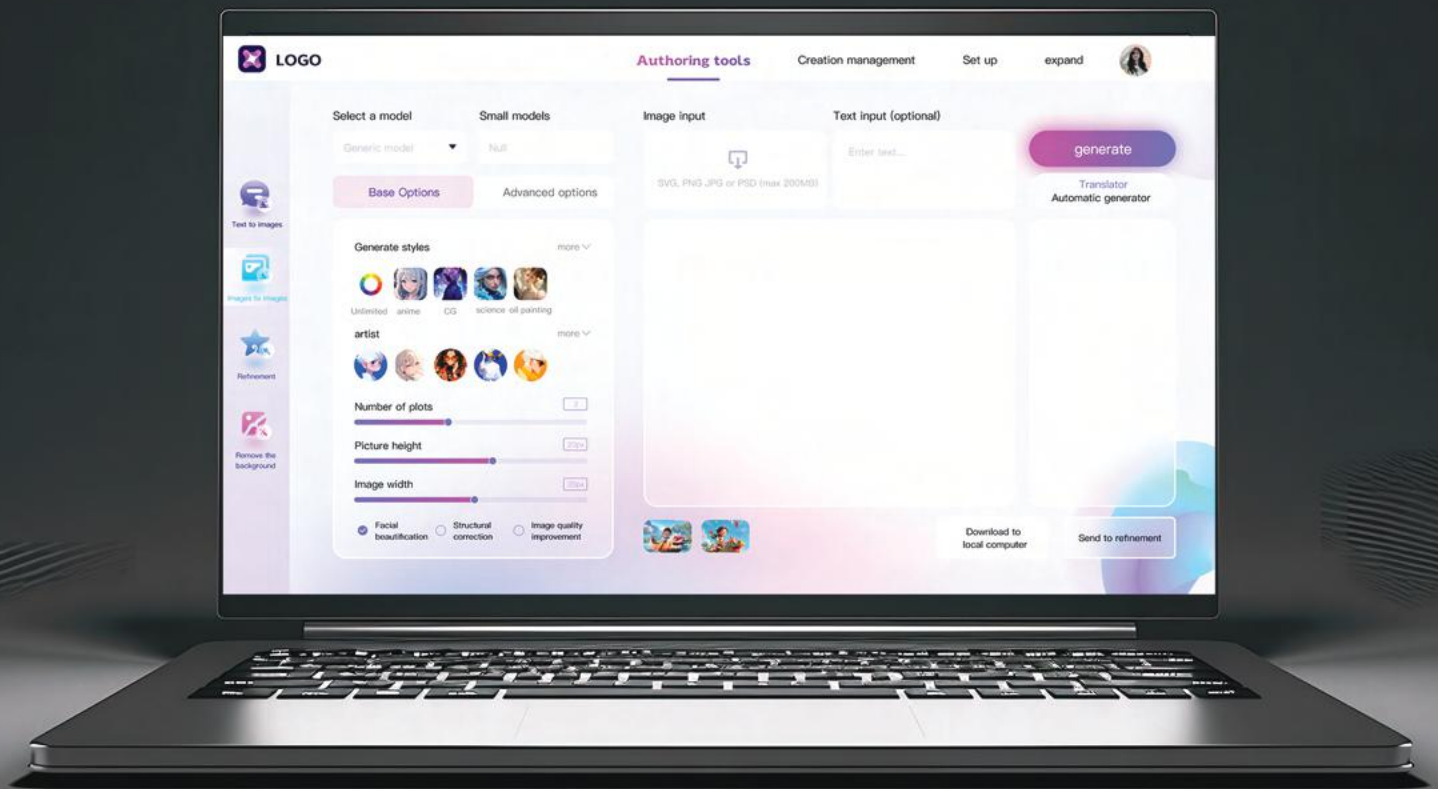Please generate a picture of the car interior. The overall color of the car is red and random sampling is allowed.

LOGO

Select a model　Small models　Image input　Text input (optional)

generate

Generic model　Null

Translator
Automatic generator

Base Options　Advanced options

SVG, PNG JPG or PSD (max 200MB)

Text to images

Images to images

Refinement

Remove the background

Generate styles　more ∨

Unlimited　anime　CG　science　oil painting

artist　more ∨

Number of plots

Picture height

Image width

Facial beautification　Structural correction　Image quality improvement

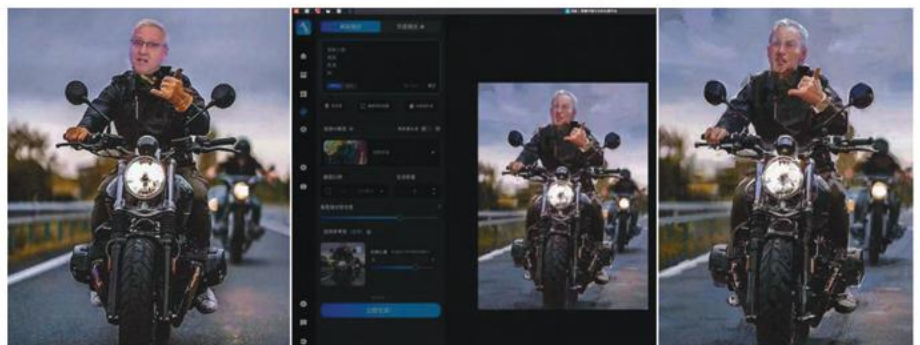Download to local computer　Send to refinement

image to image 1

The difference between this interface and the previous picture is that we use pictures to generate pictures. Users can upload pictures in the image input in the upper middle.

Features

Users can select the picture style and picture parameters they want to generate in the left TAB, and upload their own images in the upper middle TEXT block to obtain the target generated picture.
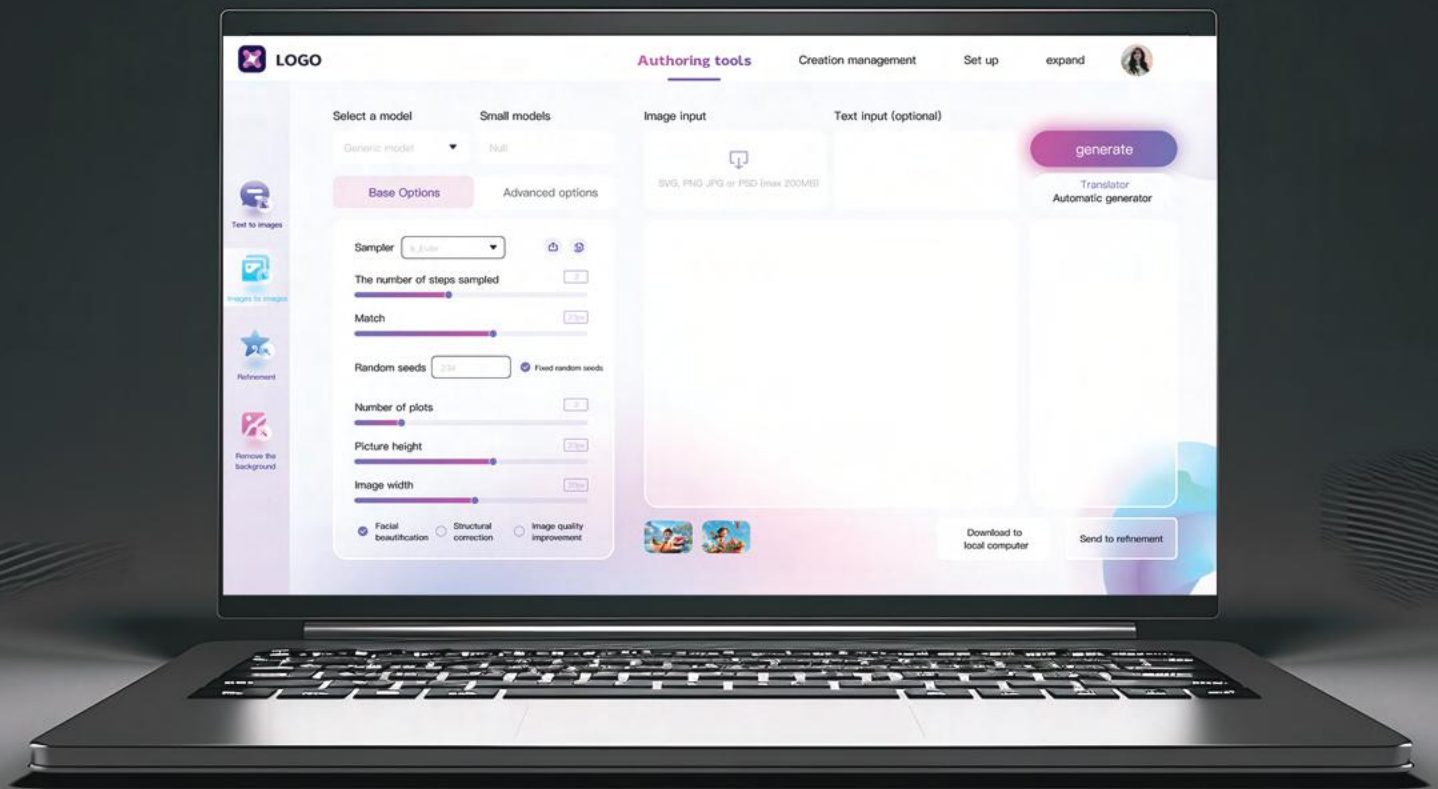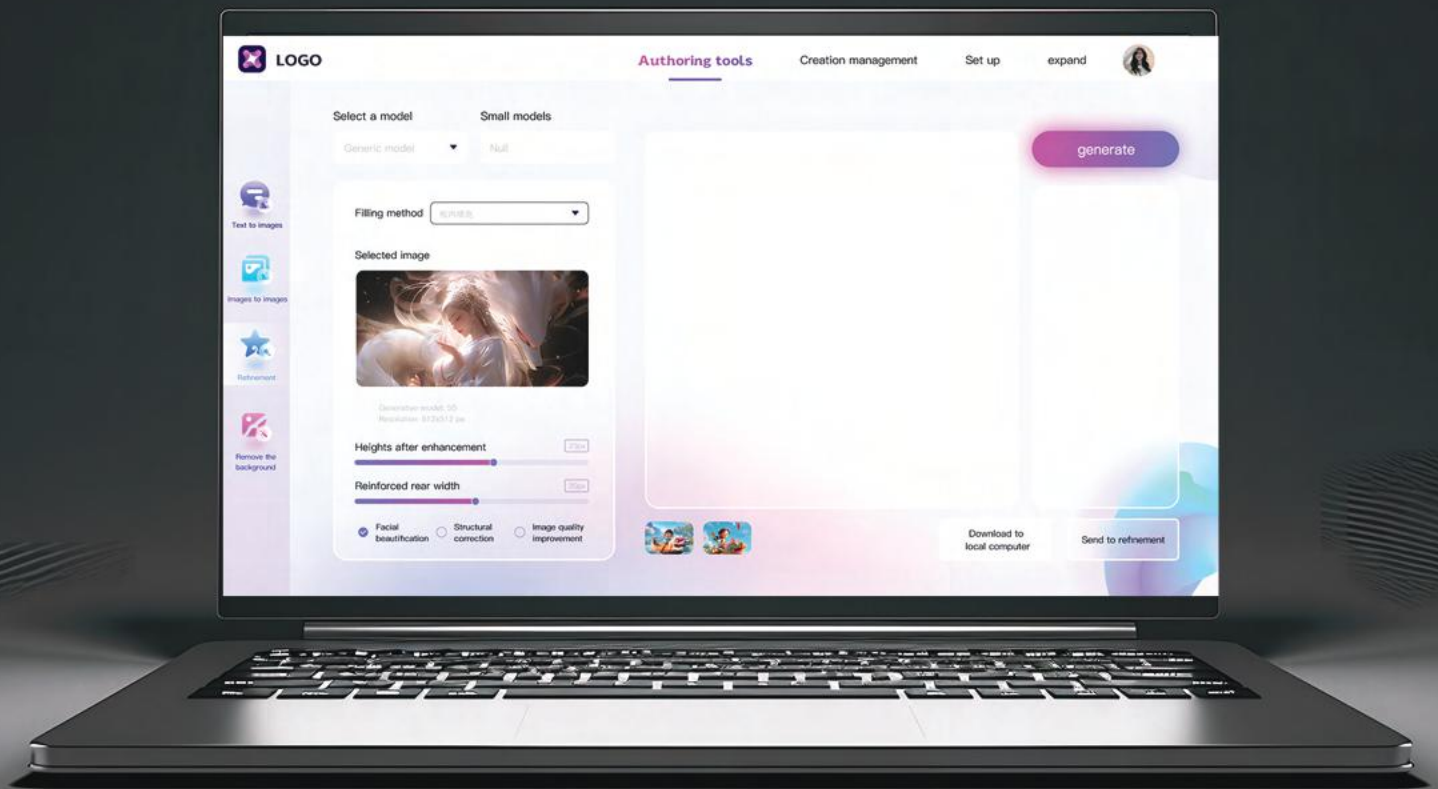
Use Example

image to image 2

This page is also using pictures to generate pictures. Users can upload pictures in the image input in the upper middle. However, we have more advanced paramerts for user to select in this page.

Features

Users can select the picture style and picture parameters they want to generate in the left TAB, and upload their own images in the upper middle TEXT block to obtain the target generated picture.
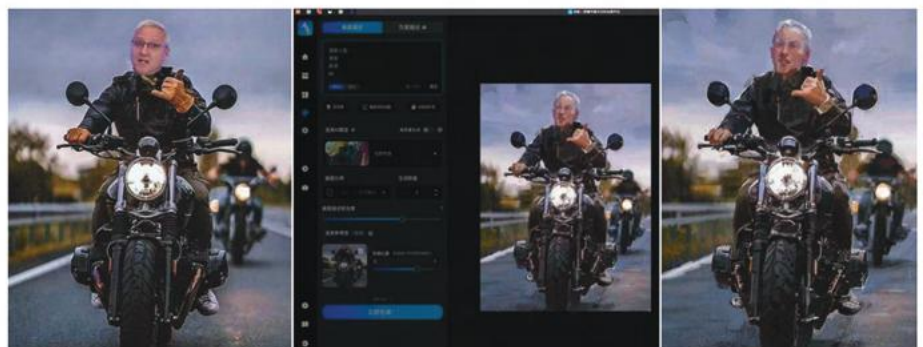
Use Example

Authoring tools　　Creation management　　Set up　　expand

Select a model　　　　Small models

Generic model　▼　　Null

Text to images

Images to images

Refinement

Remove the background

generate

Filling method　　照片增强　▼

Selected image

Generation model: 3D
Resolution: 512x512 px

Heights after enhancement

Reinforced rear width

○ Facial beautification　　○ Structural correction　　○ Image quality improvement

Download to local computer　　Send to refinement
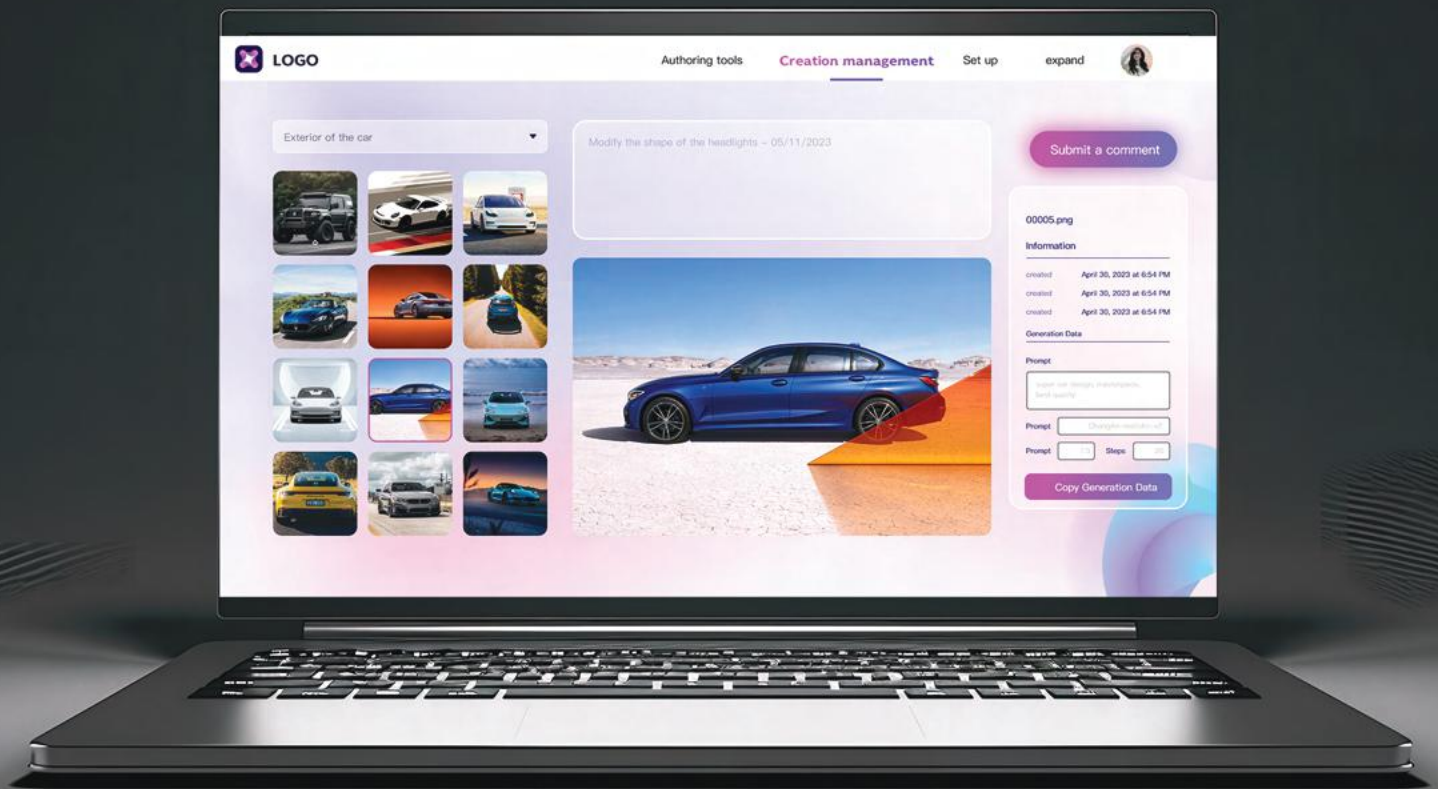
Image Rein-forcement

On this page, users can enhance the picture effect. Users can improve the clarity, size and local details of the picture.

Features

In the left tab, users can select the picture they want to enhance, set the enhancement parameters below, and click Generate. The picture clarity and color can be repaired according to user requirements.

Use Example

Creation M-anagerment

The main purpose of this page is for designers to work together. Designers can upload pictures to the community. Each user can see the picture generation parameters and participate in comments.

Features

The tab on the left displays the pictures generated by the designer. Click on a picture in the middle to participate in comments. On the right, you can see the parameters of the picture generation.

Use Example