Final Project

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Idea

Velvet Flower is a kind of traditional Chinese decoration that can only be crafted. I am planning to do a naive version of decoration tool for 2D Velvet Flower design.

Typical Velvet Flower

Velvet Flowers are made of metal wires that decide the shape of the flower, and the metal wires are covered with fluffy conture. Since the velvet are made of silk, so it is expensive and hard to craft.

Basic Design

1. Painting tool: velvet can be generated while painting;
2. Color gradient or static color
3. Color picker
4. Color suggestion: for color gradient
5. Velvet size gradient: user interface design
6. Only in 2D: since 3D painting would be difficult to use unless using AR or VR
7. Save design

Primary implementation challenges

1. User interface: for the implementation on ipad
2. How to generate the velvet part
3. How to allow users to make revision to their work
4. Step back and forward

Primary design challenges

1. User interface: how to make a better color choose system and sizing system
2. User interaction: save file, edit, revise, step back, step forward

Ideas for how you will might evaluate the success of your project

Successfully resolve all my challenges and create this tool?