



Ice Cream Maker

Intro to Creative Computing
Project #1: Creating a New Painting App
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Target Users

Children who like ice cream, Educators, etc.



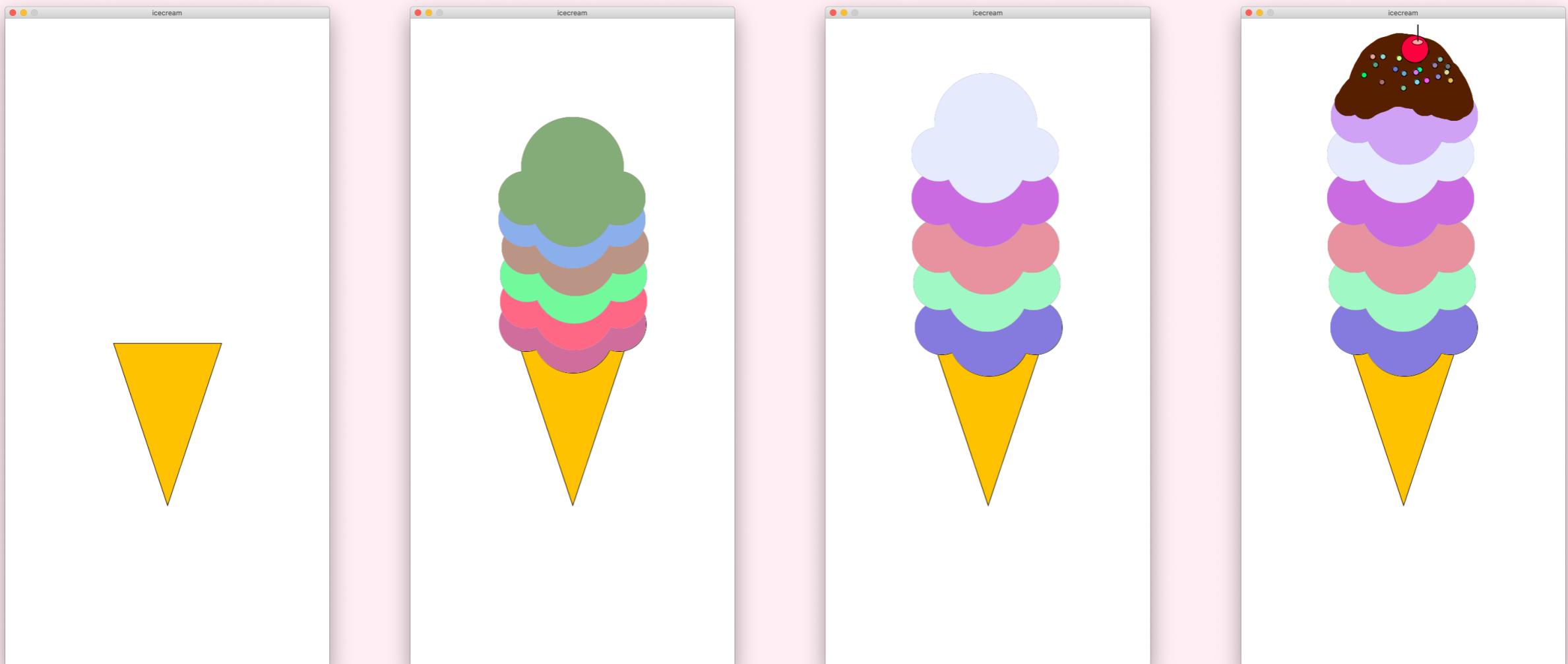
Features

The app will show you the ice cream cone with white background.
You can press various keys and left-click your mouse to make ice cream and decorate it.

Visual Concepts

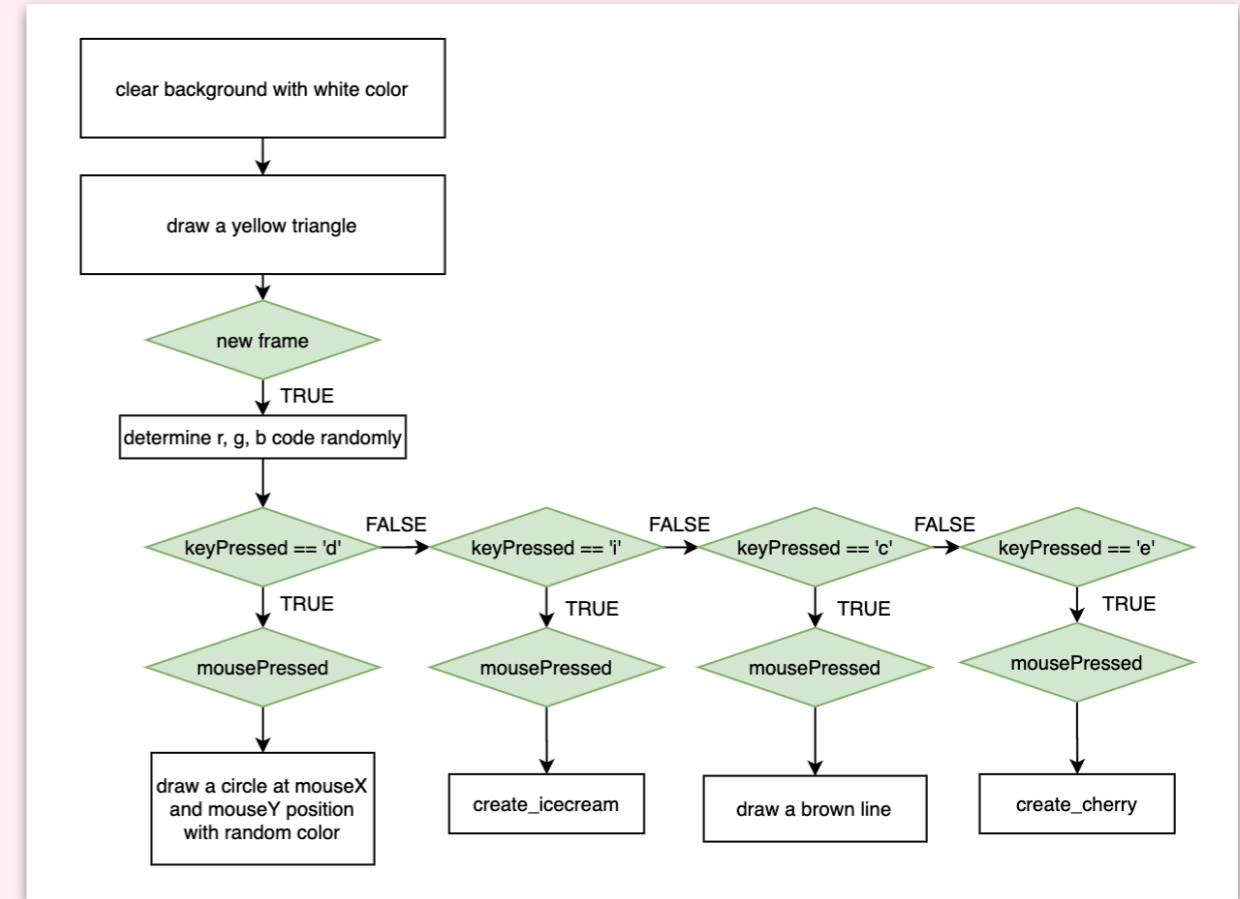
The app will show you the ice cream cone. You can press ‘l’ and left-click your mouse to place the main part, ice cream.

After you place all the ice cream, you can press ‘c’ and left-click your mouse to draw chocolate part on the top of the ice cream. Also, you can press ‘d’ and left-click your mouse to decorate the ice cream with sprinkles. If you are finished decoration, you can press ‘e’ and left-click your mouse to put the cherry on top.



Algorithms

```
clear background with white. Color  
draw a yellow triangle for a cone part  
if(new frame)  
determine r,g,b code randomly  
if(keypressed == 'd')  
  if(mousePressed)  
    draw a circle at mouseX and  
    mouseY position with random color  
  else if(keypressed == "i")  
    if(mousePressed)  
      call function 'create_icecream' to  
      create and draw the ice cream shape  
  else if(keypressed == 'c')  
    if(mousePressed)  
      draw a brown line for chocolate part  
  else if(keypressed == 'e')  
    if(mousePressed)  
      call function 'create_cherry' to create  
      and draw the cherry part
```



Screenshots



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Thank You!

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