it’s time to illustrate!
it’s time to illustrate!
so far...

human use
user centric design
idea visualization

Vadim, virus attack

Kevin, control rod crisis
so far...

human use
user centric design

idea visualization

sketch models: low fidelity exploratory prototypes
moving forward...

idea visualization

thinking about design details: form, color, graphics
(all from a user-centric POV)
moving forward...

getting illustrator?

we will buy you a seat!

you must opt-in by end of Wednesday:
signup on course website!
next milestone!

Thursday, March 22

sketch models

Thursday, April 12

short presentations with client
2:30-6:00 PM

Friday, April 13

digital submission
3-003, 3-004 prototyping space?

card access

never work alone!
cleanup!

not during 2.00b:
M: 2-5
W: 2-5, 6-10
Thr: 9-noon, 6-10
F: 9-noon
how do I use this stuff?
prototyping space

https://www.productdesigny.com

tool use tutorial 5 PM Thursday: signup on website!
where can I test?
prototyping space

3-449!

9-5 PM: knock on 3-452 (across the hall)
other hours: please email with two days notice
where do I store stuff?
prototyping space
not in the prototyping lab!

i) your lab!
ii) lockers outside lab
iii) 3-449
iv) 3-458 (my lab)
moola?
getting materials
$750
please read project finances page on website

please send me an email with you team’s financial officer by end of Wednesday
illustrator
photoshop vs illustrator
vector
audrey’s survival kit
pen

shortcut: p
“hugs-all”
(Selection Tool)
shortcut: v
“pinch-y”
(Direct Selection Tool)
shortcut: a
shape
shortcut: m, l
stroke
magical pen tool!
creating a new file

- Name: Untitled-1
- Profile: Print
- Number of Artboards: 1
- Spacing: 20 pt
- Size: Letter
- Width: 612 pt
- Height: 792 pt
- Orientation: Portrait
- Advanced:
  - Color Mode: CMYK
  - Raster Effects: High (300 ppi)
  - Preview Mode: Default
  - Align New Objects to Pixel Grid: no

- groups of presets
- default size options
- custom size input
- ignore this
- important things hide here
- are you printing or sharing?
- no
importing an image

you should be able to drag and drop

you can also place
transforming an image
moving and resizing

or here!

here!
transforming an image
moving and resizing

1. select your image
2. to resize: drag corner while holding shift key
3. to move: use arrow keys or click and drag

tips!
hold down alt/option key to resize from center
use shortcut "e" if control points don’t show up (when you’ve selected with the pinch-y)
transforming an image
moving and resizing

1. select your image
2. lock proportion
3. specify width and/or height

or here!
layers
setting yourself up for success!
layers
setting yourself up for success!

tips!
lock a layer to facilitate drawing on top
double click on the layer name to edit it, double click to the right of the name to edit the layer properties (color, etc)
use layers to help you arrange objects forward and back:
drag objects within the layers dialog or use shortcut **cmd + bracket** (to move objects by one) or shortcut **cmd + shift + bracket** (to push objects to top or bottom)

make a new layer

where all of the options hide

select this object or layer of objects

toggle show/hide
toggle lock
view contents
drawing a circle

to access the ellipse tool:
- shortcut “L”
- right click on shape tool to pull out dialog box
- hold down alt/option while clicking on shape tool to scroll through options

to draw circle:
once ellipse tool is engaged, click and drag while holding down the shift key

tips!
hold down alt/option key to grow circle from center
editing properties

fill and stroke color

here!

or here!
(double click)

also here!

(more on that later)
editing properties
fill and stroke color

WHAT IS THE MEANING OF THIS?!

return to default white/black
active property on top (select to toggle, or shortcut “X”) (double click to edit)
the last color we used
no color
make gradient (there are better tools for this, please ignore)

swap colors of stroke and fill
drawing a line

to access the pen tool:
• shortcut “P”
• right click on pen to pull out dialog box
• hold down alt/option while clicking on pen tool to scroll through options

to draw line:
once pen tool is engaged, click at each corner point
to finish, hit escape or change tools

tips!
hover over a free anchor point with the pen tool to continue that path
click and drag for a curved line
don’t worry about accurate anchor placement, this is easier to fix with the “pinch-y” after
stroke properties

or here! (only visible if you used “hugs-all”)

click on this tiny arrow to show/hide options
(I have no idea why you would ever want these hidden)

here!
outlining a stroke
(how a stroke becomes a shape)

object > path > outline stroke
1. Click on circle to select entire layer.

2. Set your opacity here.

You can also set opacity here.
to access the scissor tool:
- shortcut “C”
- right click to on eraser pull out dialog box
- hold down alt/option while clicking on eraser / scissors to scroll through options

to cut curve:
click curve at each point where you want to separate, then use “pinch-y” to select lines to delete

close curve:
use pen tool (shortcut “P”) to reconnect anchor points.
rounded corners

drag this little circle to fillet the corner

make a rectangle:
• shortcut “M”
• you know where to find the shape tool now!

select points you want to fillet
you can select an entire object to fillet all corners at once, equally

pull fillet handles in
export!

**tips!**

- In the save dialog check “Use Artboards” export relative to artboard layouts.
- Use .png extension for transparent images and set background color to “transparent” in PNG options dialog.
redesigned
up next: three tone cube!