Typographical Design by Coding

VA345 Creative Coding

Course Instructor : Assist. Prof. Dr. Selcuk ARTUT

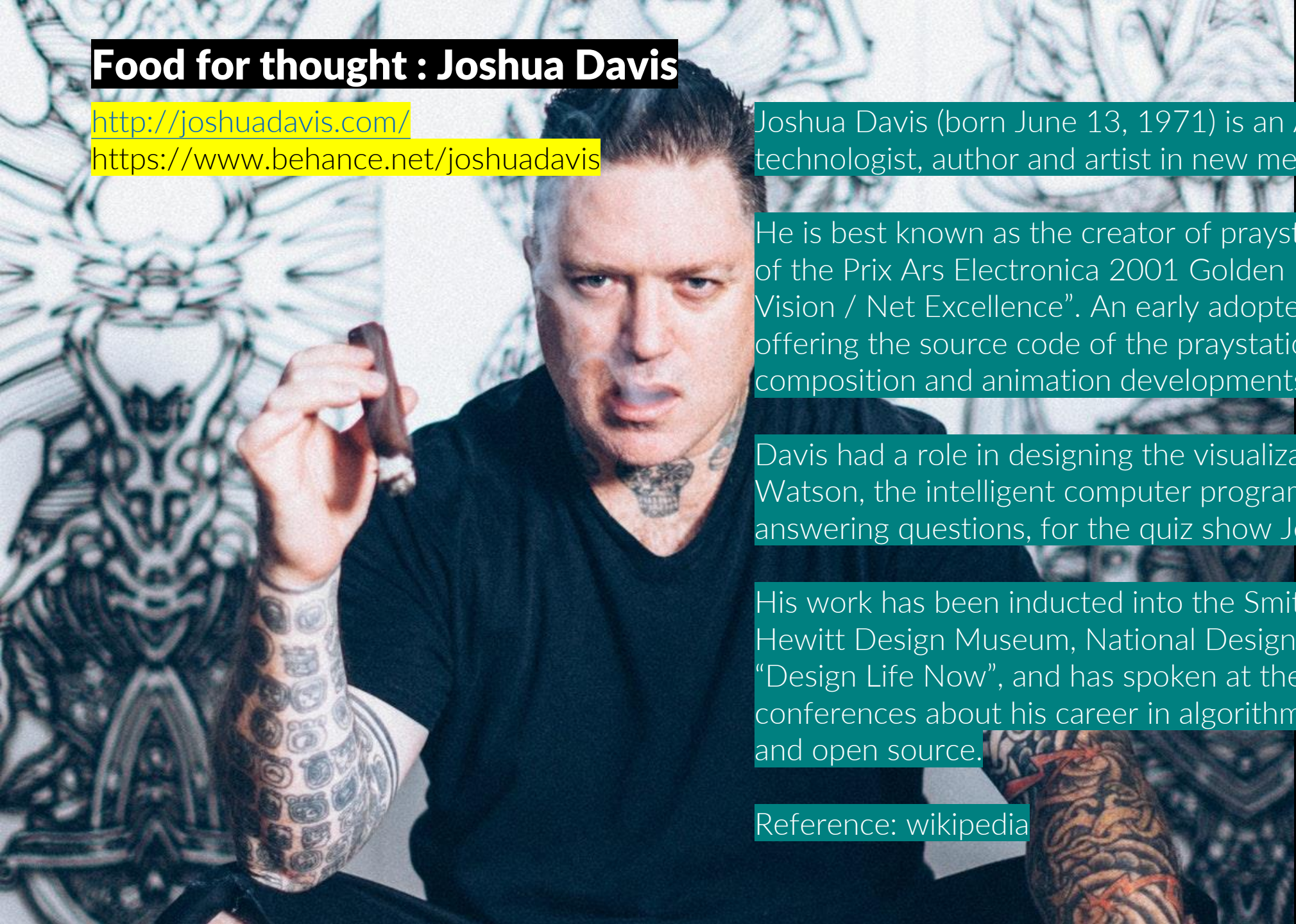
Assignment Visit

Using GUI with External Window

See extra/ControlP5frame example

Food for thought : Joshua Davis

http://joshuadavis.com/
https://www.behance.net/joshuadavis



Joshua Davis (born June 13, 1971) is an American designer, technologist, author and artist in new media.

He is best known as the creator of praystation.com, winner of the Prix Ars Electronica 2001 Golden Nica for "Net Vision / Net Excellence". An early adopter of open-source, offering the source code of the praystation.com composition and animation developments to the public.

Davis had a role in designing the visualization of IBM's Watson, the intelligent computer program capable of answering questions, for the quiz show Jeopardy.

His work has been inducted into the Smithsonian's Cooper Hewitt Design Museum, National Design Triennial 2006 "Design Life Now", and has spoken at the TED and 99U conferences about his career in algorithmic image making and open source.

Reference: wikipedia

10 2.3389351

11 4.1481485

12 0.32485694

24 3.497284

48 1.1356344

96 0.8962059

102 4.8109922

384 2.162479


Joshua Davis
joshuadavis.com
twitter.com / joshuadavis
W3Conf

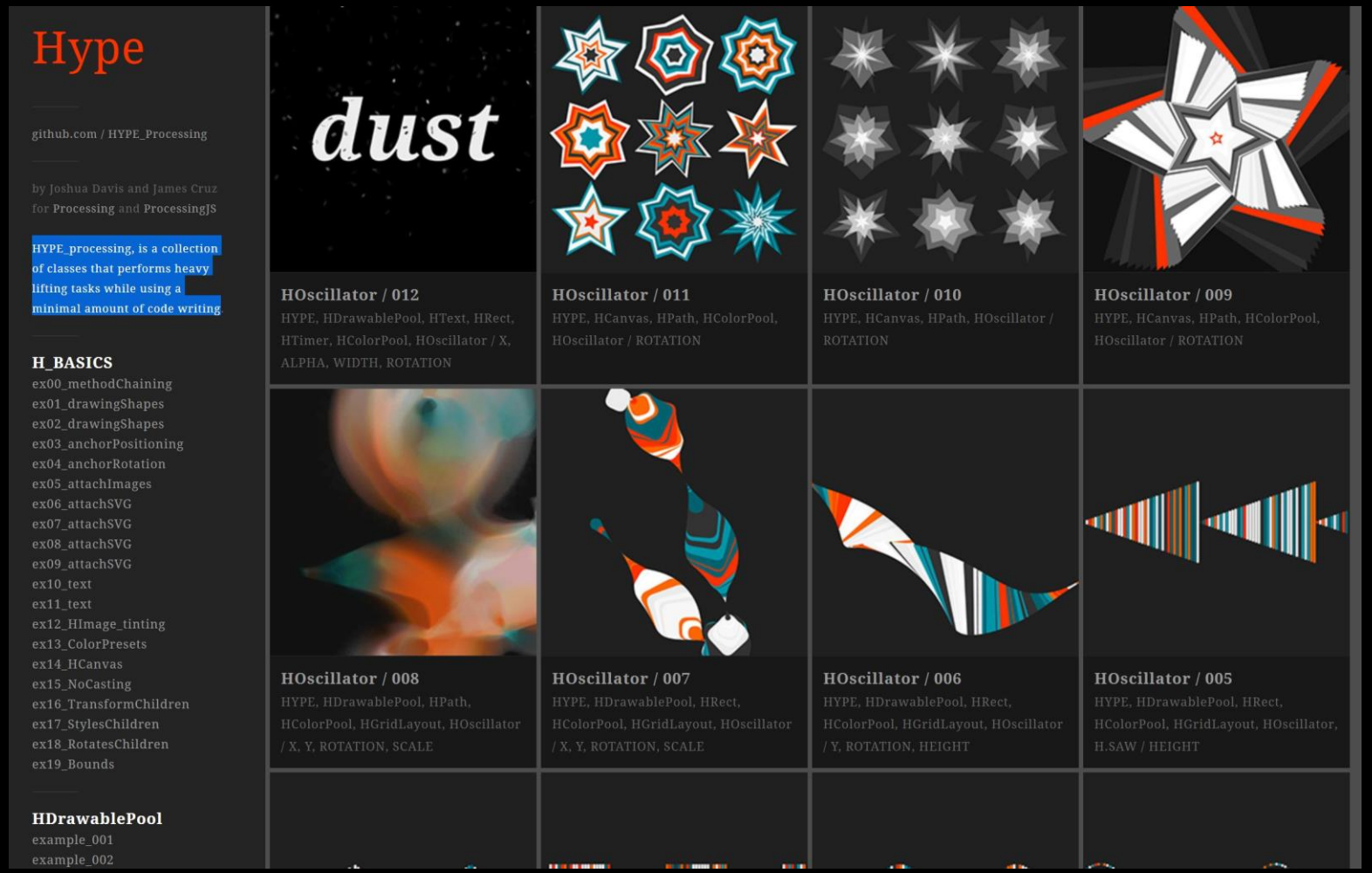
Color Picking

Joshua Davis Trickv https://design-nation.icons8.com/how-to-build-a-color-palette-from-any-photo-2fdcd53082ee

- Save Image with *GIF 32 No Dither* to Reduce color complexity
- Use Color Picking Tool

Hype Processing Library

HYPE_processing, is a collection of classes that performs heavy lifting tasks while using a minimal amount of code writing



Assignment 006

Use quotes: https://www.invisionapp.com/blog/design-and-creativity-quotes/
Export a PNG format of typo-graphic design for a quote.

Play with HYPE library to modify a code to illustrate geometric complex shapes. Go to examples > HShapeLayout > HShapeLayout_005

Playing with Text

String & String Functions

https://processing.org/reference/String.html

Example : Easy way of creating a bull-shit generator

https://processing.org/reference/loadStrings_.html

Tickle with Text

```
PFont f;
float x = 200; // X-coordinate of text
float y = 200; // Y-coordinate of text
float w, h;
void setup() {
  size(400, 400);
  f = createFont("Lato-Bold.ttf", 32);
  textFont(f);
  noStroke();
}
void draw() {
  background(0);
  fill(255);

  String s = "tickle";
  w = textWidth(s);
  h = 32;

  // If the cursor is over the text, change the position
  if ((mouseX >= x) && (mouseX <= x+w) &&
    (mouseY >= y-32) && (mouseY <= y+h)) {
    x += random(-5, 5);
    y += random(-5, 5);
  }

  text(s, x, y);
  noFill();
  stroke(255,0,0);
  rect(x,y-32,w,h);
}
```


Let’s Have a Break

Code Challenge (30 min):

Use the word "avoid" to stay away from the mouse by setting its position to the inverse of the cursor position

Geomerative Library

http://www.ricardmarxer.com/geomerative/

Geomerative Library

Drawing with type

// P_2_3_3_01.pde

// Generative Gestaltung, ISBN: 978-3-87439-759-9

// First Edition, Hermann Schmidt, Mainz, 2009

// Hartmut Bohnacker, Benedikt Gross, Julia Laub, Claudius Lazzeroni

Geomerative Library

Text Image : Which characters appear, and how often?

// P_3_1_3_01.pde

// Generative Gestaltung, ISBN: 978-3-87439-759-9

// First Edition, Hermann Schmidt, Mainz, 2009

// Hartmut Bohnacker, Benedikt Gross, Julia Laub, Claudius Lazzeroni

Geomerative Library

Dissolving the font outline

// P_3_2_1_01_01.pde

// Generative Gestaltung, ISBN: 978-3-87439-759-9

// First Edition, Hermann Schmidt, Mainz, 2009

// Hartmut Bohnacker, Benedikt Gross, Julia Laub, Claudius Lazzeroni

Geomerative Library

Dissolving the font outline Animating

// P_3_2_1_02.pde

// Generative Gestaltung, ISBN: 978-3-87439-759-9

// First Edition, Hermann Schmidt, Mainz, 2009

// Hartmut Bohnacker, Benedikt Gross, Julia Laub, Claudius Lazzeroni

Geomerative Library

Varying the font outline

// P_3_2_2_01.pde

// Generative Gestaltung, ISBN: 978-3-87439-759-9

// First Edition, Hermann Schmidt, Mainz, 2009

// Hartmut Bohnacker, Benedikt Gross, Julia Laub, Claudius Lazzeroni

Geomerative Library

Font outline from agents

// P_3_2_3_01.pde

// Generative Gestaltung, ISBN: 978-3-87439-759-9

// First Edition, Hermann Schmidt, Mainz, 2009

// Hartmut Bohnacker, Benedikt Gross, Julia Laub, Claudius Lazzeroni

Exhibition Project

Futurism Art Movement : A Homage to Art Works, An Updated Reinterpretation with Computational Systems

Exhibition Project

Italian Futurism

https://www.youtube.com/watch?v=9fy_cHtHR-U

Exhibition Project

Your Task:

Create 2 adaptations & 1 inspiration work & 1 optional screen work

Print size 60 cm height x 90 cm width

Prepare your copies with CMYK jpg 10630px x 7087 px 300 dpi