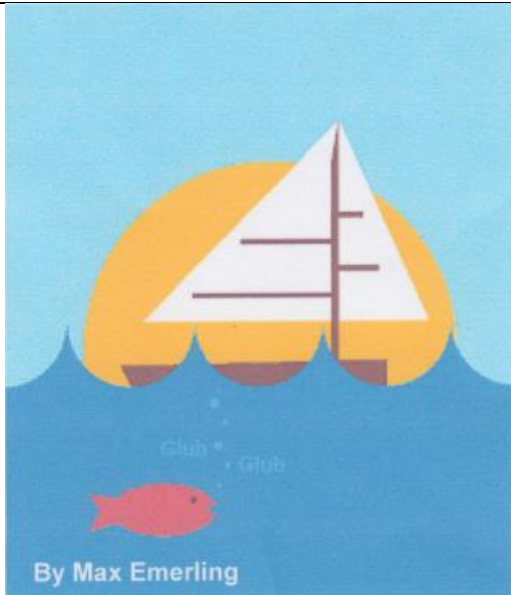


WORKSHEET 02D – Assigned week 1 day 2; due week 2 day 1*Writing a program, using graphics classes from the Java Library*

	<p><u>Reading/studying C. 2.9-2.10 and take notes</u></p> <ul style="list-style-type: none"> • Textbook • Slides • Chapter Summary (at the end of the chapter lessons): first 3 sections (i.e., on the same material) <p>Keep your notes</p>
A	<p><u>Program Outline:</u></p> <ul style="list-style-type: none"> • Download the 2 source files ShapeViewer.java and ShapeComponent.java. Note that the image here does not have any aesthetic value; it simply demonstrate all the technical details in creating an image. • The ShapeViewer.java has the main program so you will run it. The ShapeComponent.java does not have the main program. • Study and understand the code, along with the slides in the “Some Graphics” section. Note that you need to create an object with the new operator before you can ask it to do something, or ask some other object to do something with it.
B	<p><u>Your own program:</u></p> <ol style="list-style-type: none"> 1. Design your own image, which must: <ol style="list-style-type: none"> a. have at least one for each of the following shapes: Rectangle, Ellipse.Double, Line.Double, Polygon b. have at least once for each of the following methods: translate, grow. c. have some text d. have at least 2 different default colors and at least 2 different from-scratch colors e. fill the area, approximately: width 0 – 300; height 0 – 360 – and not beyond ~400 2. Use graph paper to design, which will facilitate in finding out the coordinates and dimension of shapes. 3. You may use the same 2 downloaded files. There is no need to modify ShapeViewer.java. And you may modify ShapeComponent.java for your own use. 4. Submit online; and demo in class on due date. 5. Print the screen shot of your BlueJ project & the resulting image, and keep in you binder. 6. Top three images voted will receive additional 3 points, 2 points, 1 point ... <i>Be creative and have fun!</i>

SOME EXAMPLES Note: these images may *not* have all the shape requirements



by Max Emerling

2017



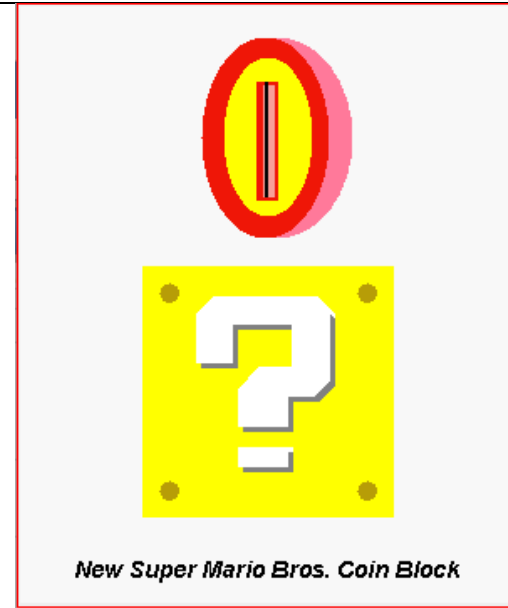
by Henry Chiu

2018





by Ananya Shekhawat

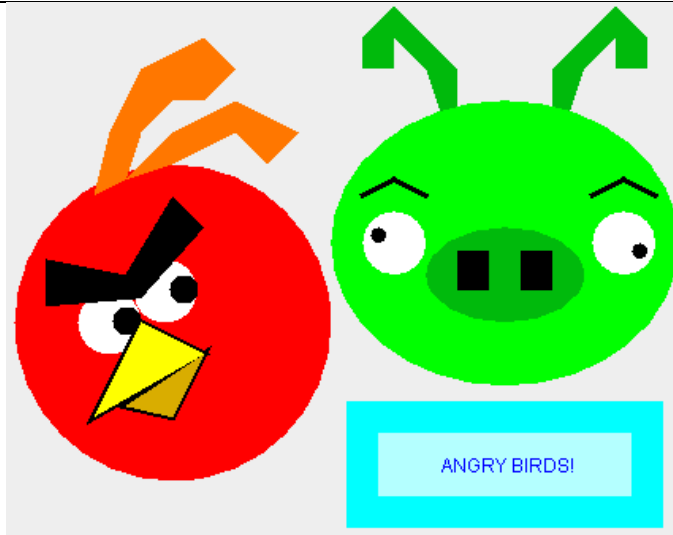
2018



by Ashwin Natampalli

2017

<div data-bbox="426 147 825 225"><p>Golden State Warriors</p></div> <div data-bbox="352 228 898 776"></div> <div data-bbox="743 763 905 803"><p>By Eric G</p></div> <div data-bbox="258 862 401 893"><p>by Eric Gan</p></div> <div data-bbox="932 862 993 893"><p>2017</p></div>	<div data-bbox="1157 147 1812 857"></div> <div data-bbox="1119 862 1331 893"><p>by Jade Kessinger</p></div> <div data-bbox="1791 862 1852 893"><p>2017</p></div>
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by Amber Lee

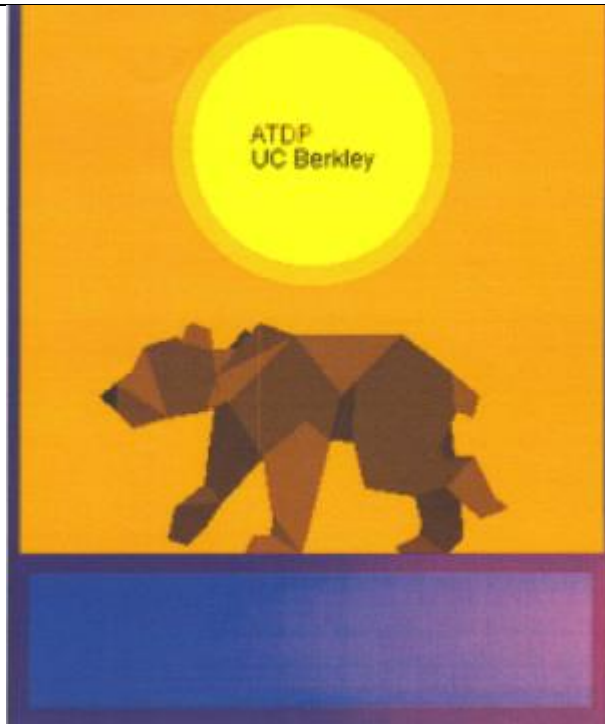
2016



by Allison Zheng

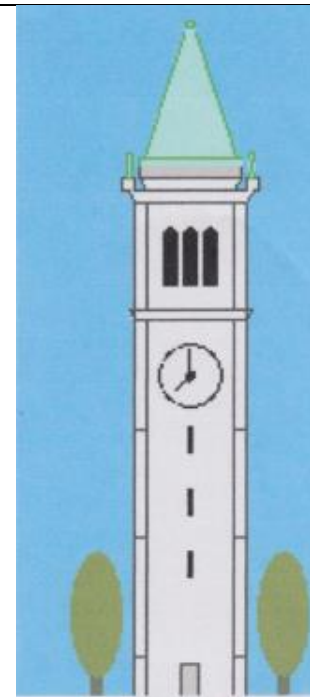
2016

Allison Zheng was also a co-designer of the 2018 ATDP T-shirt



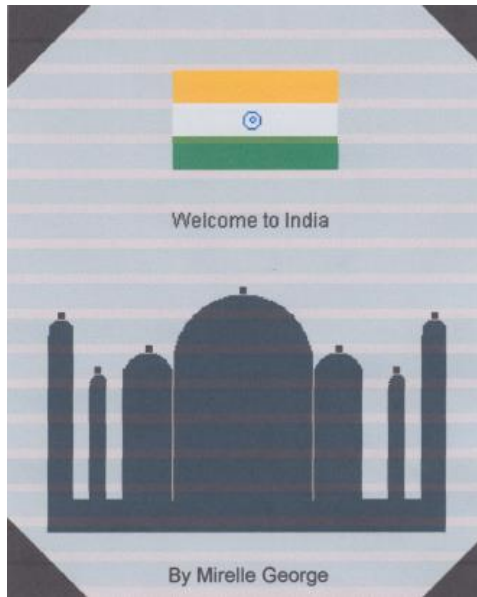
by Keira Hillman

2018



by Victor Cheung

2016



by Mirelle George

2018



by Athya Uthayakumar

2015

THE END