

Project A

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Part 1: Project Concept Definition

Who

CIEE: Council on International Educational Exchange, is a world leader in international student exchange organization. Founded in 1947, CIEE is a non-profit organization that manages 175 study abroad programs, in 40 countries across the globe. Each year, in the US, they serve over 10K study abroad students, a thousand of them being highschool students. Internationally, they serve over 35K students. Their ultimate goal, is: "To Humanize International Relations."

What

As CIEE is trying to reach higher number of students studying abroad this coming 2019-2020 term, they have contracted us to design and create an image for their website, flyers, and ads, that visually represents their ultimate goal, and what they stand for.

Project 1: Project Concept Definition

When

The organization wants to incorporate the product into their systems by the end of November of this year; before the application season starts.

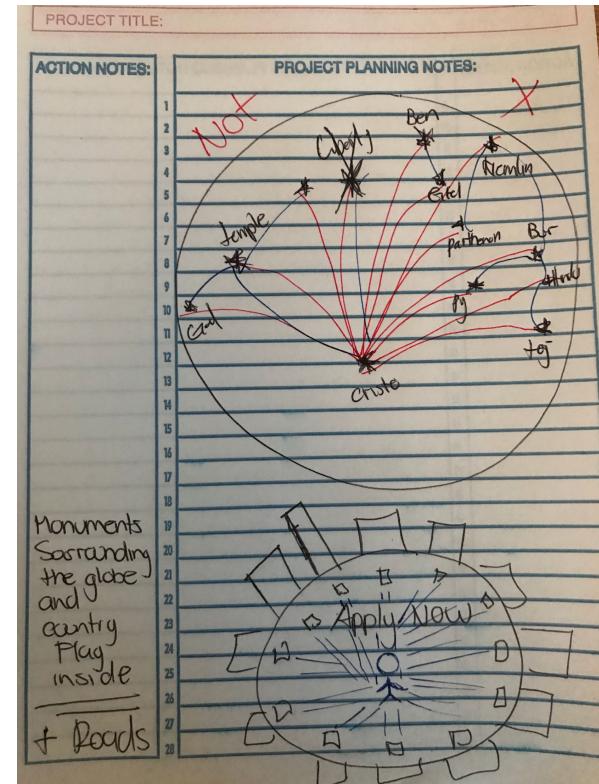
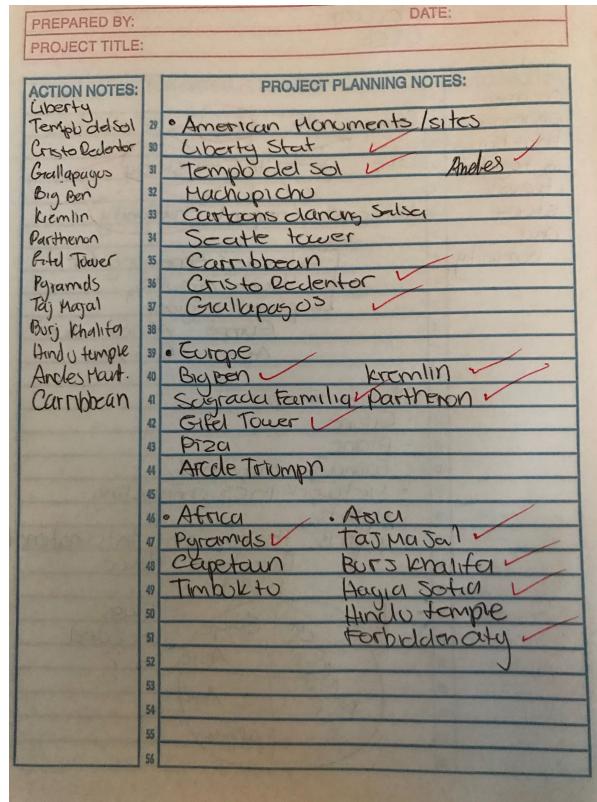
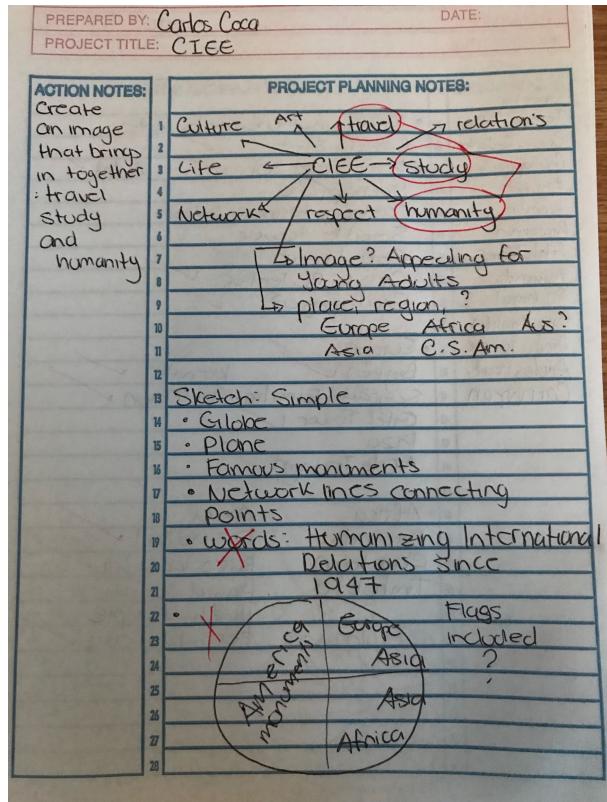
Where

The product will be displayed in their main website. It's also going to be used in the flyers and brochures that they are going to be handing out to the people, and it will be used in their Facebook main page.

Why

With the purpose of having a new form of scenery in their websites, systems, and flyers that will grab the attention of the public.

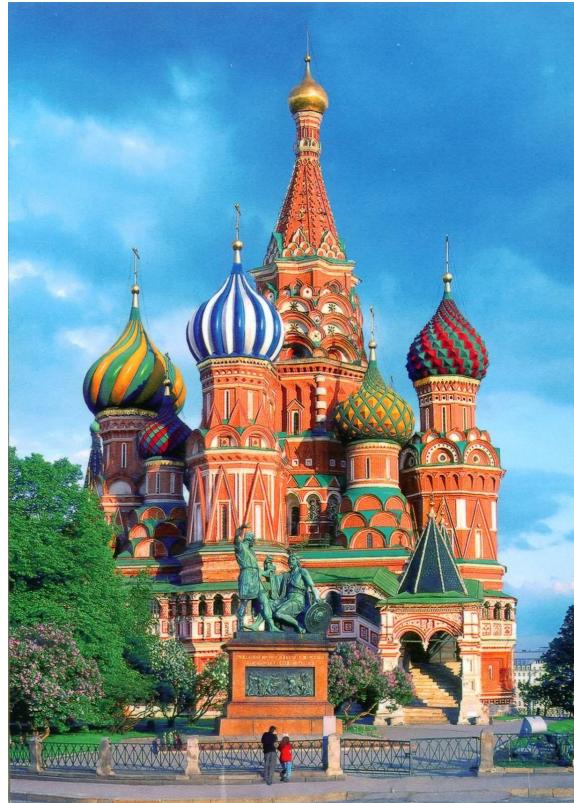
Part 2: Sketches and Ideation



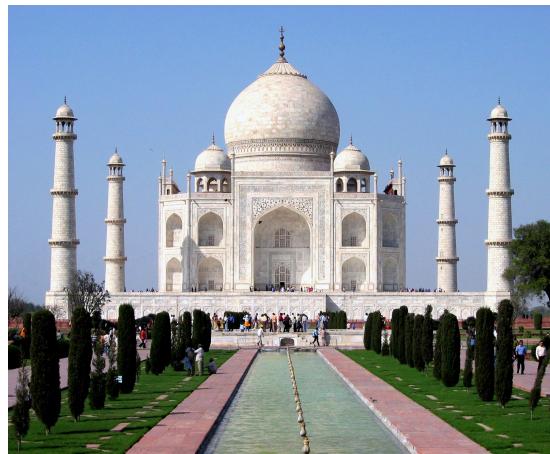
Part 2: Sketches and Ideation



Part 2: Sketches and Ideation



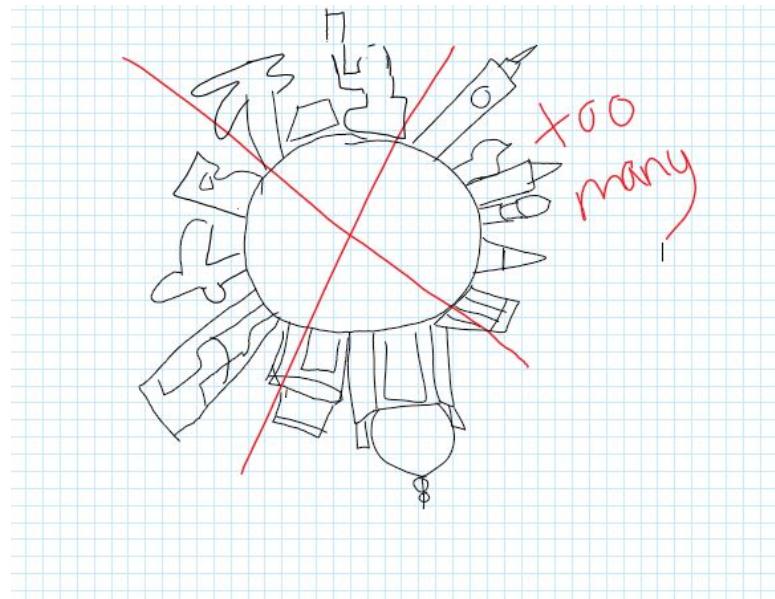
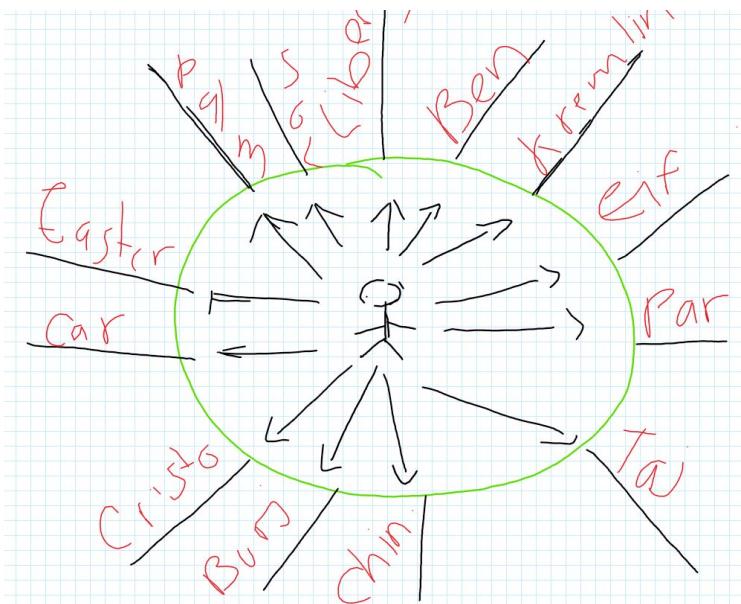
Part 2: Sketches and Ideation



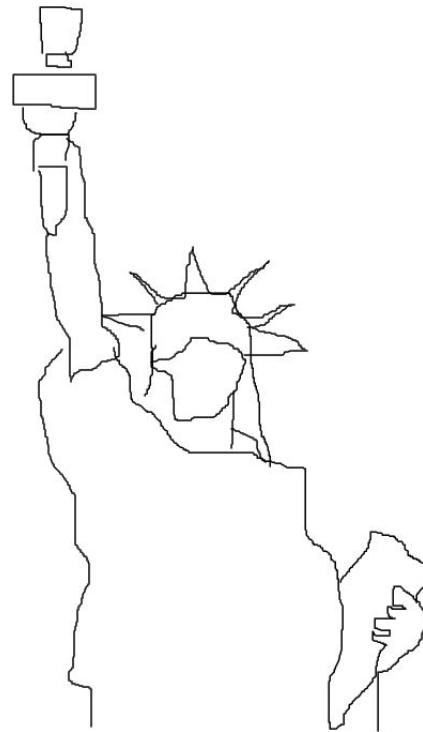
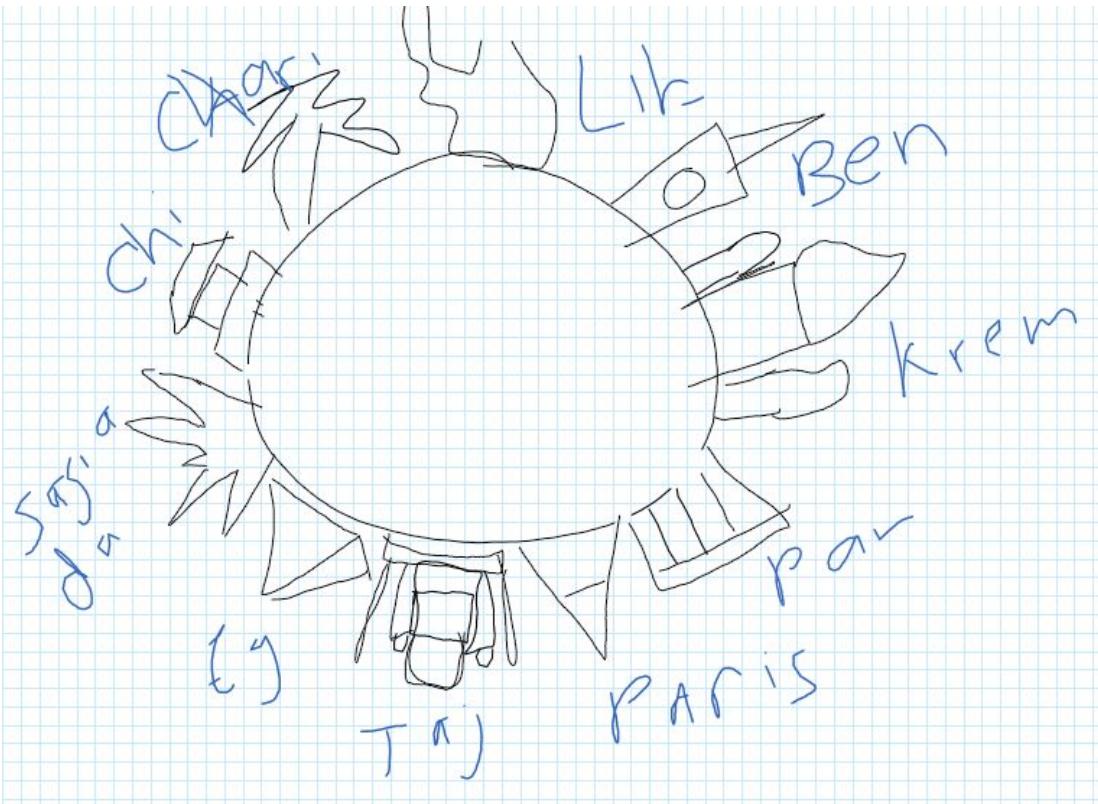
Part 2: Sketches and Ideation



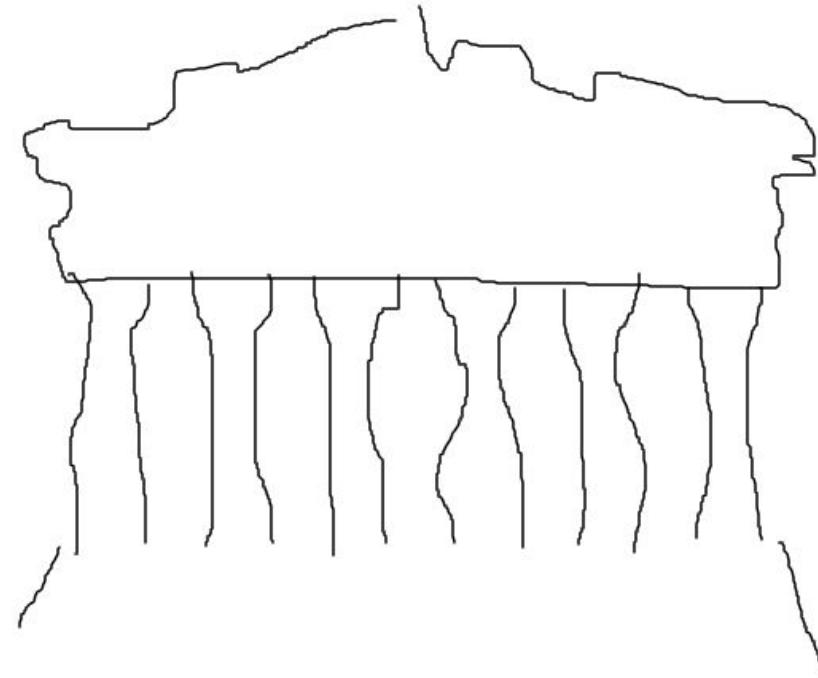
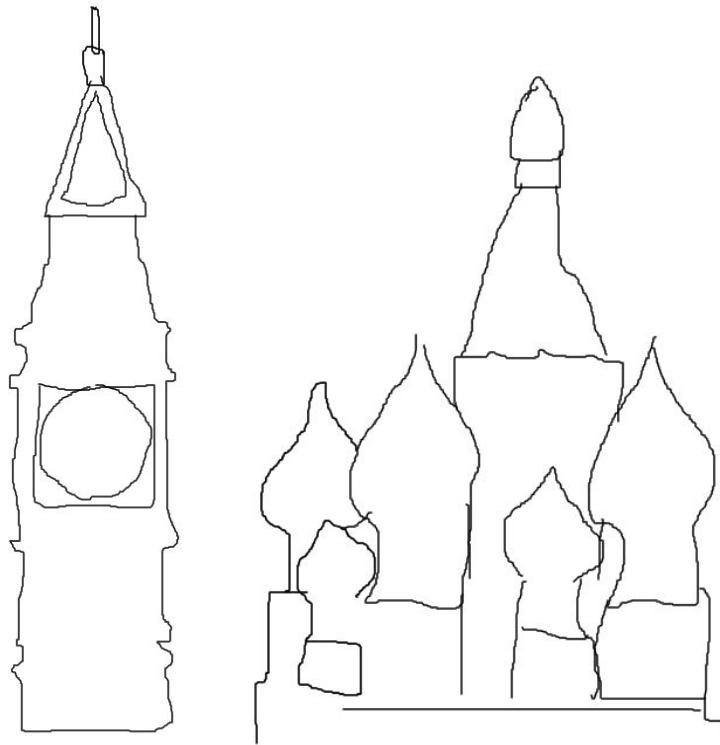
Part 2: Sketches and Ideation



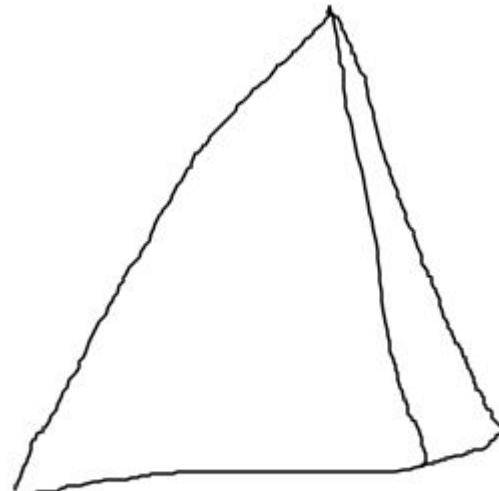
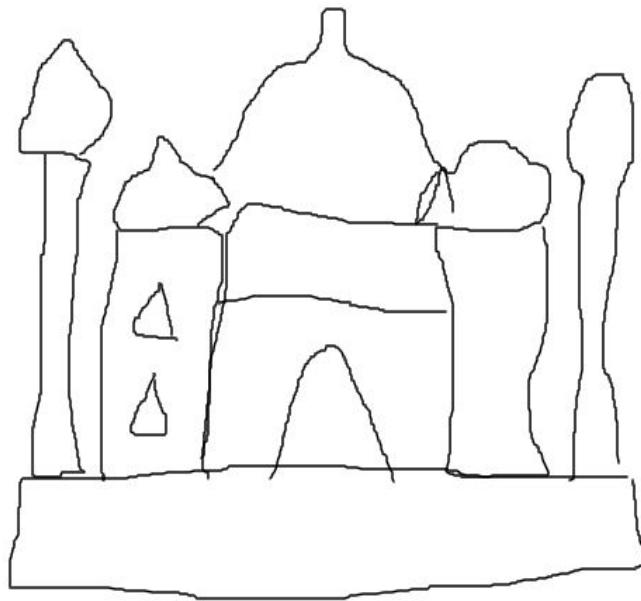
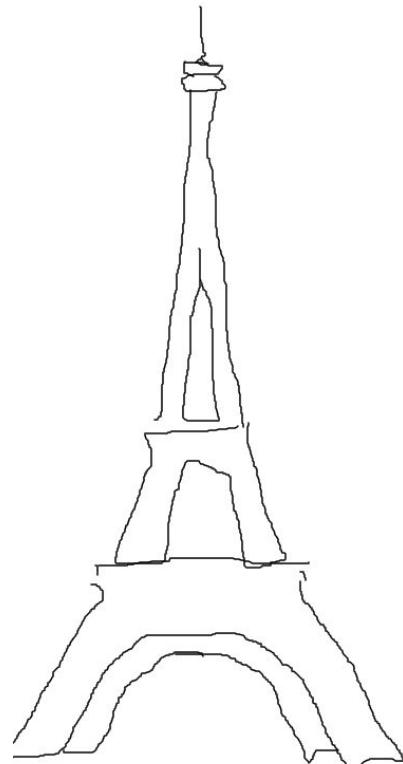
Part 2: Sketches and Ideation



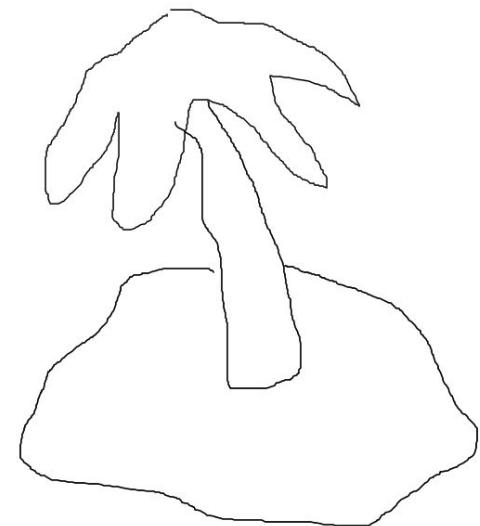
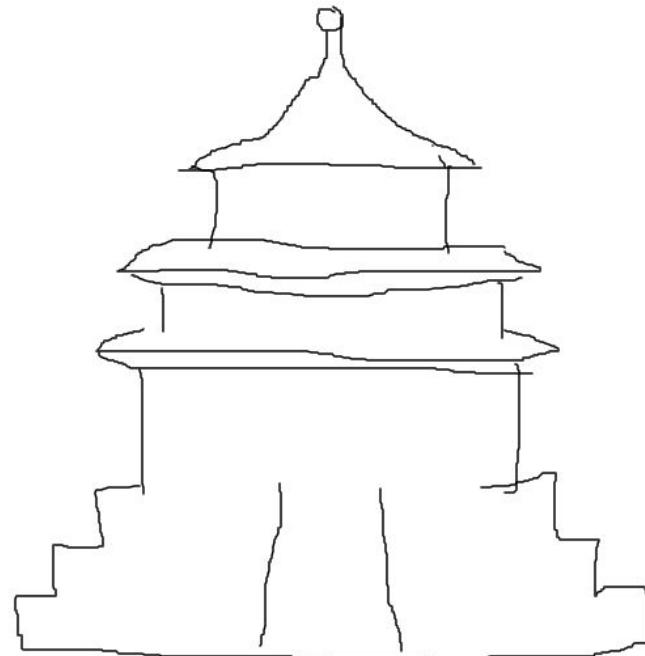
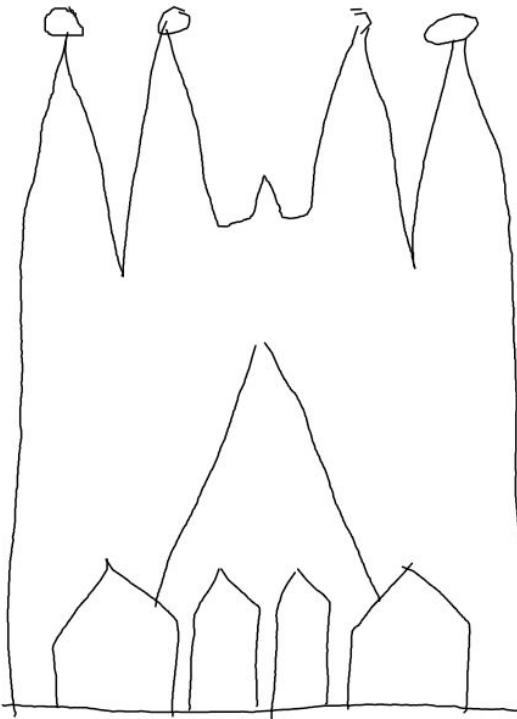
Part 2: Sketches and Ideation



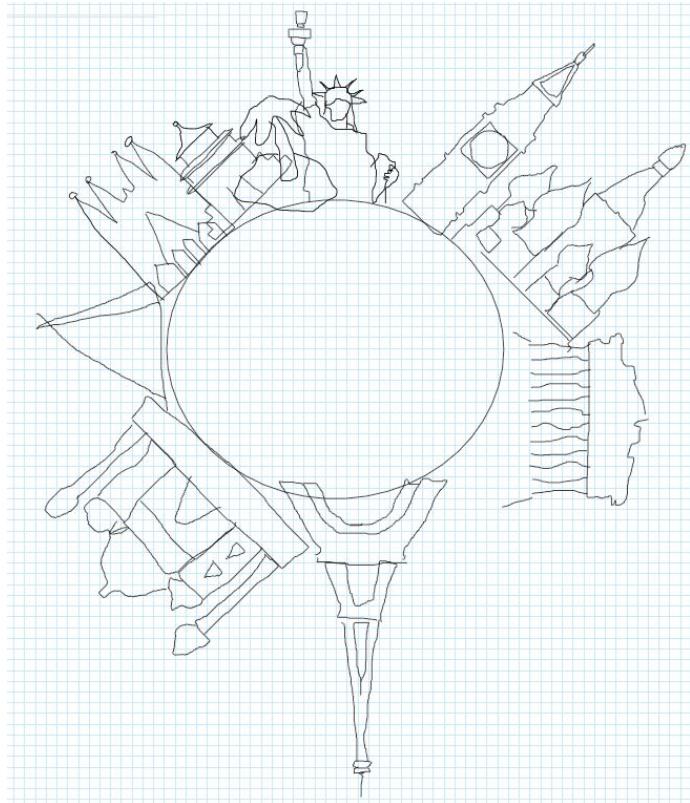
Part 2: Sketches and Ideation



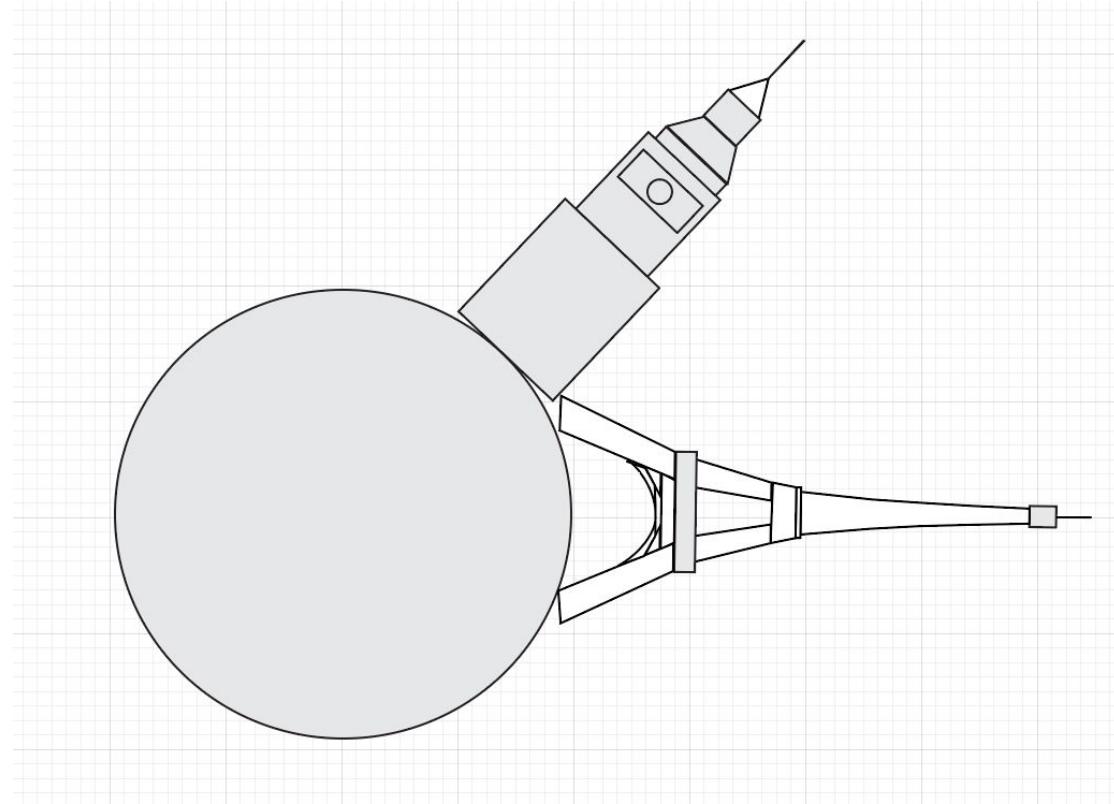
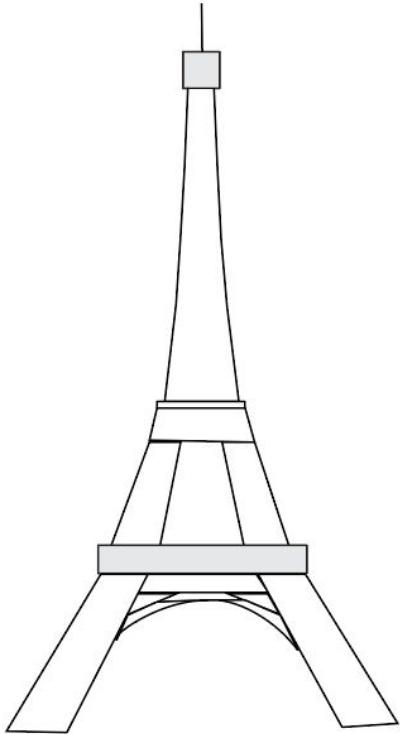
Part 2: Sketches and Ideation



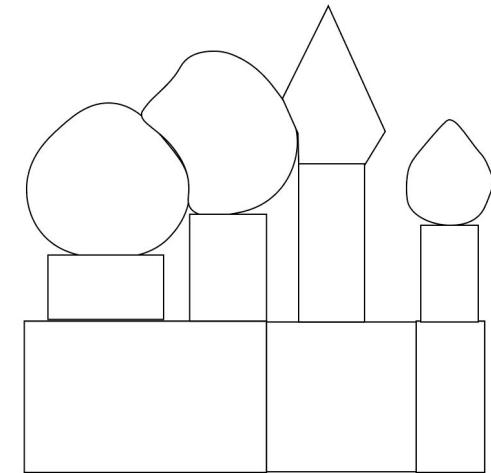
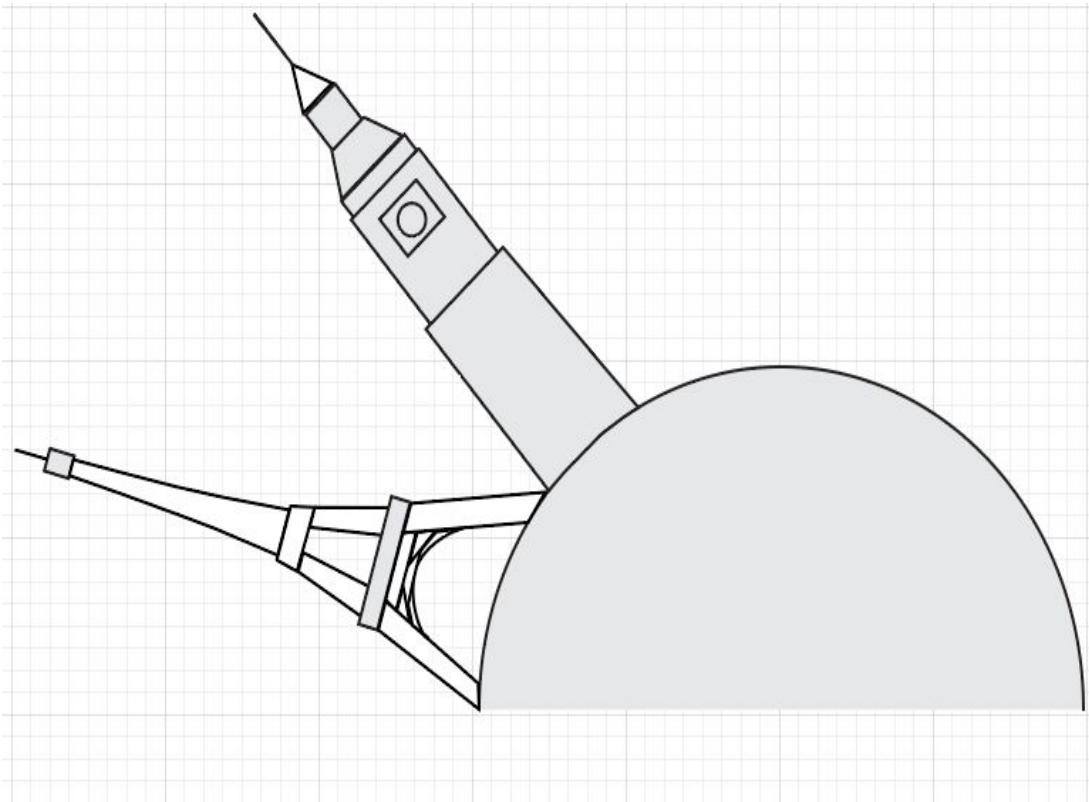
Part 2: Sketches and Ideation



Part 3: Pre-Visualization Renderings

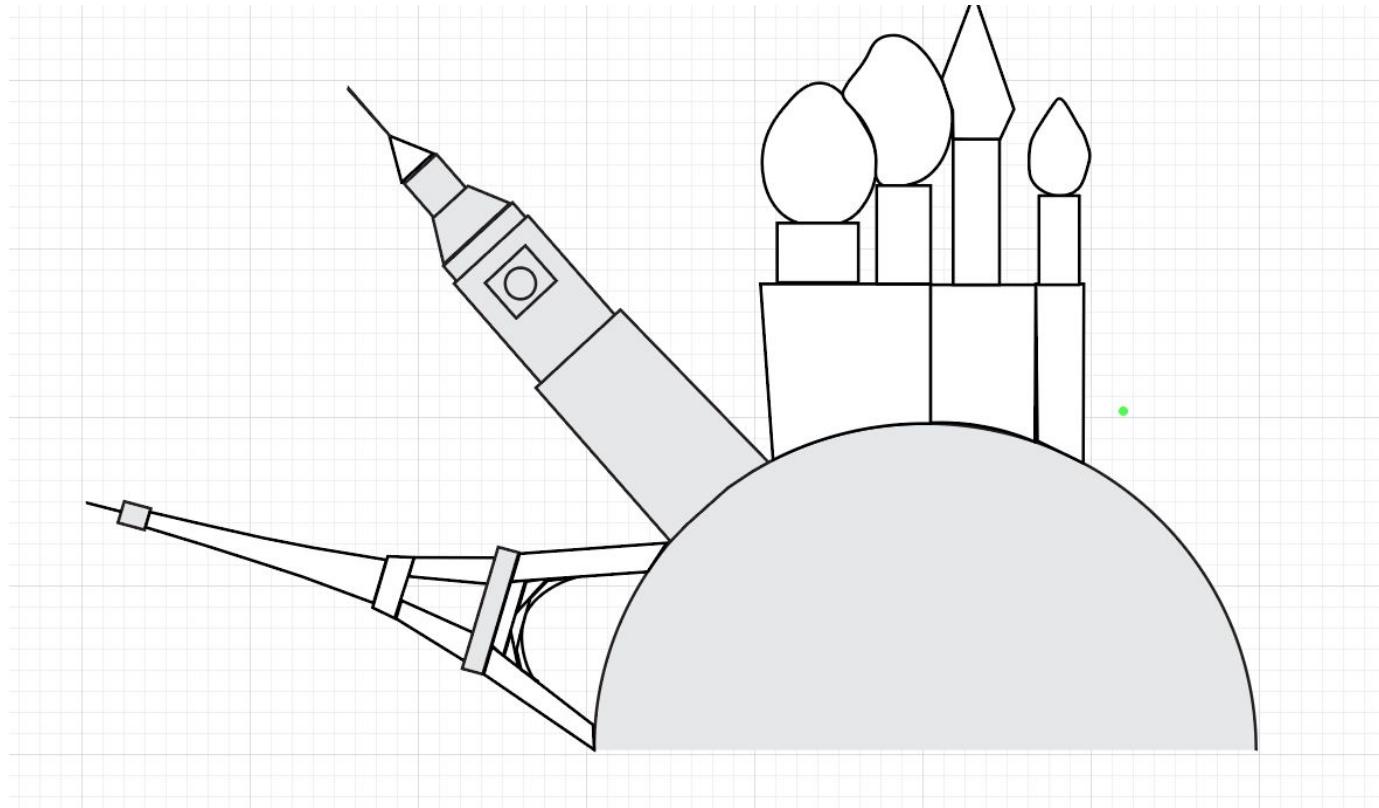


Part 3: Pre-Visualization Renderings

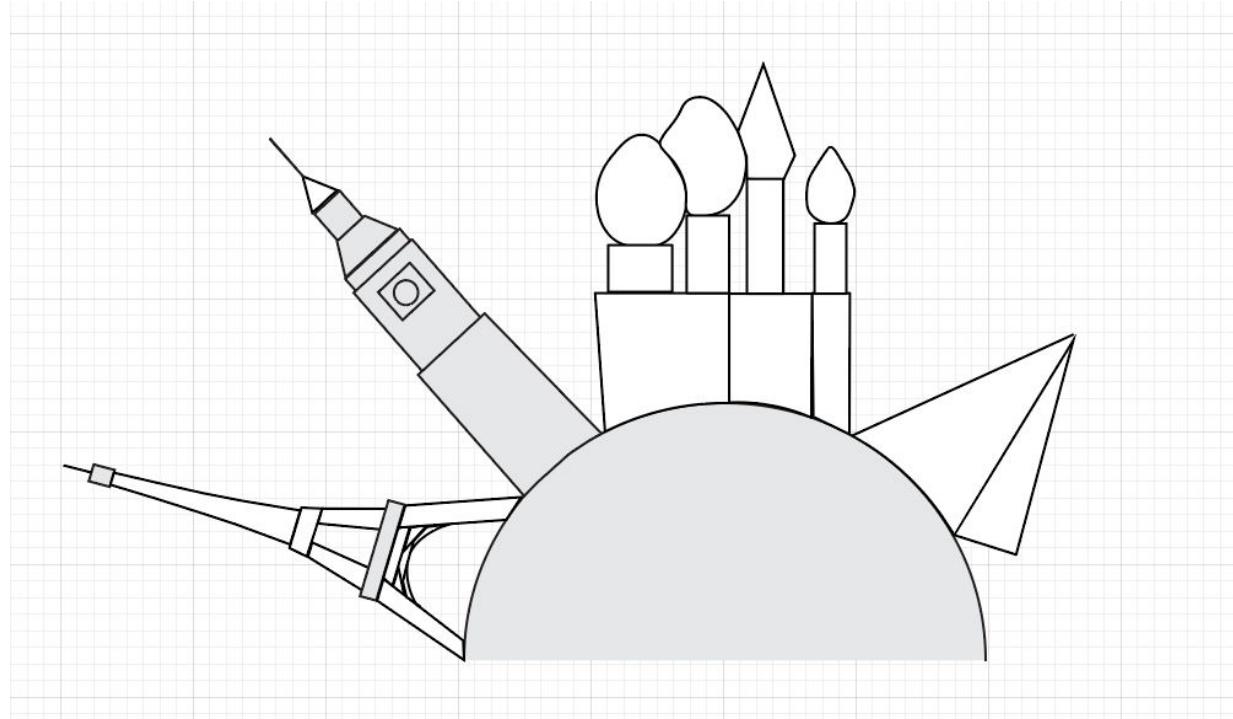
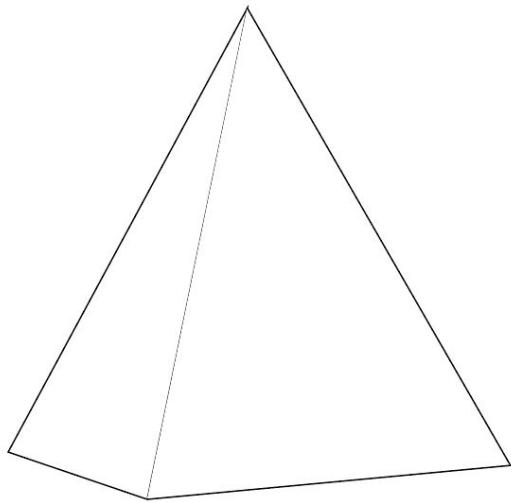


New Sketch

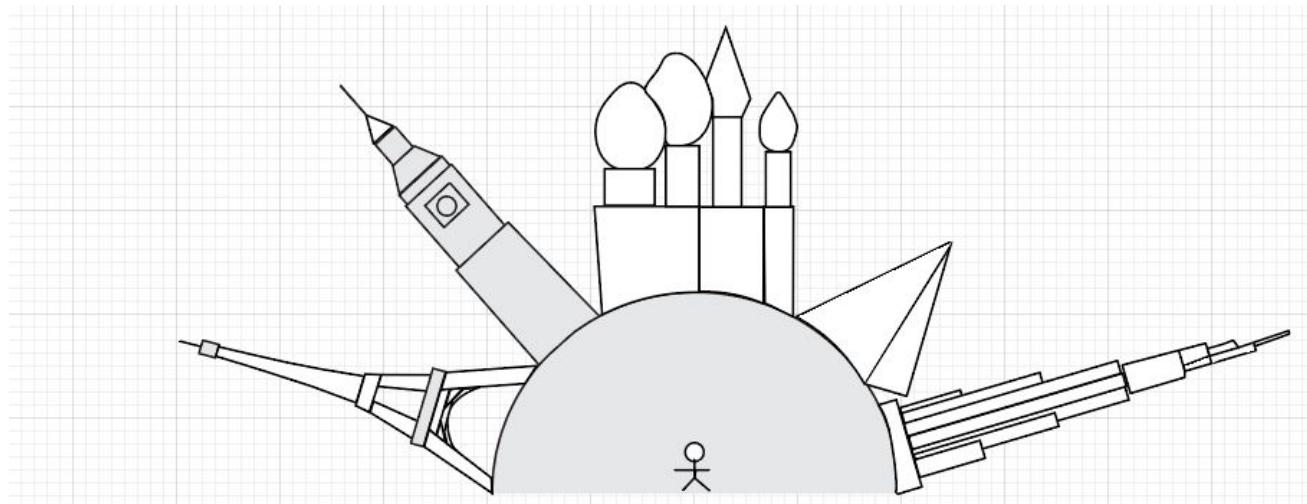
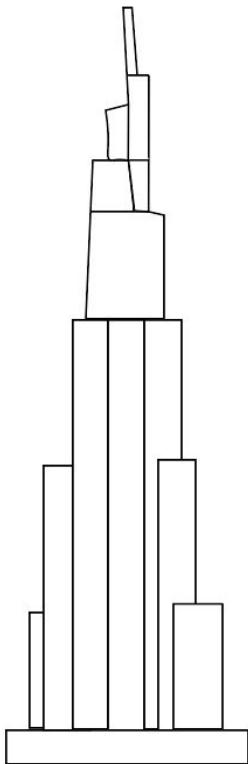
Part 3: Pre-Visualization Renderings



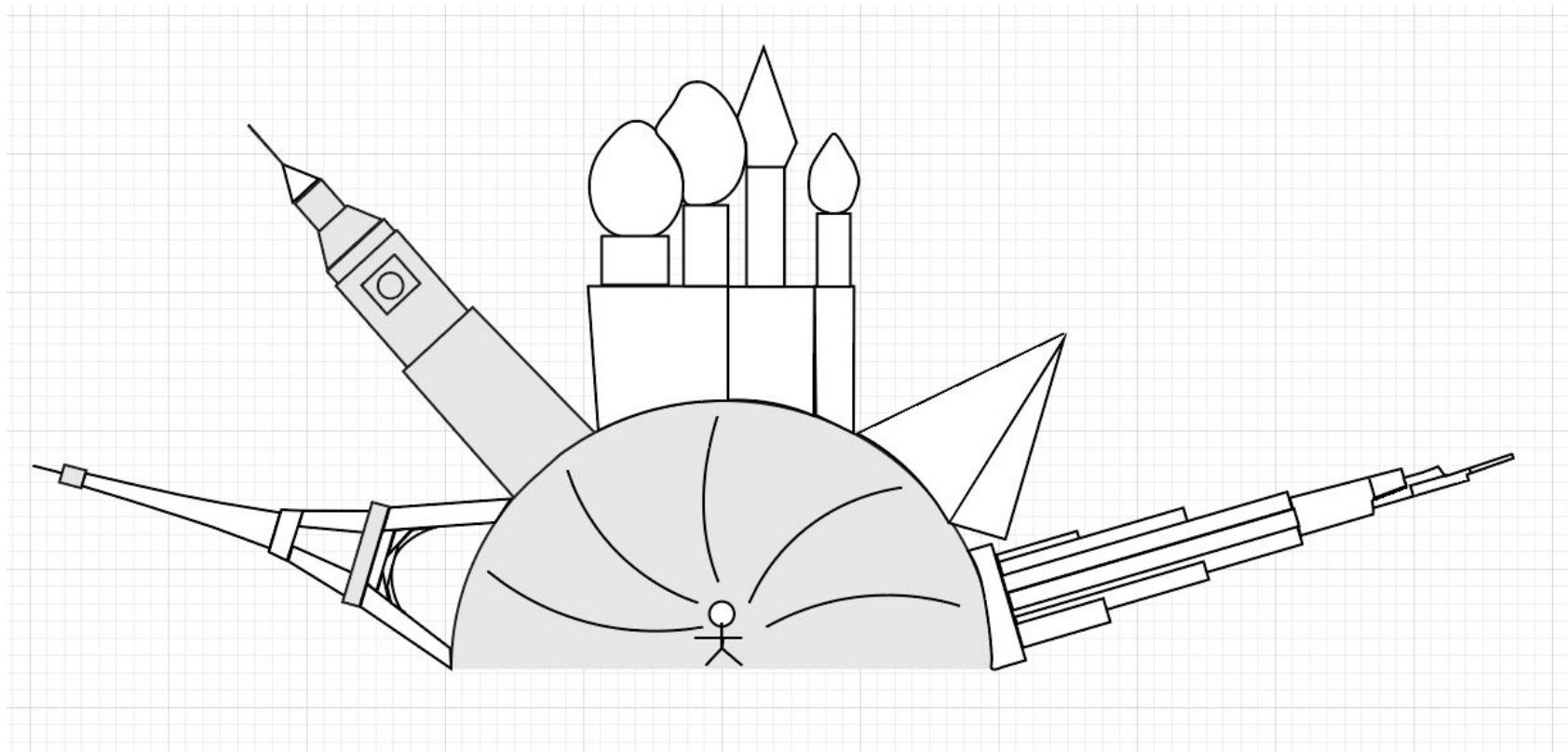
Part 3: Pre-Visualization Renderings



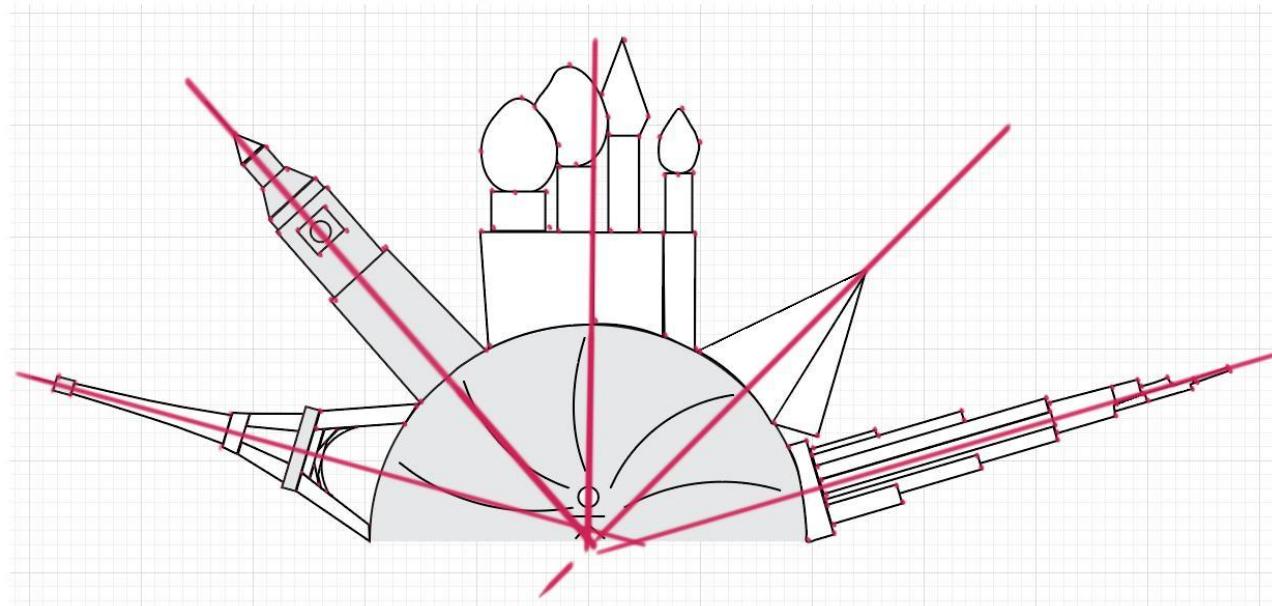
Part 3: Pre-Visualization Renderings



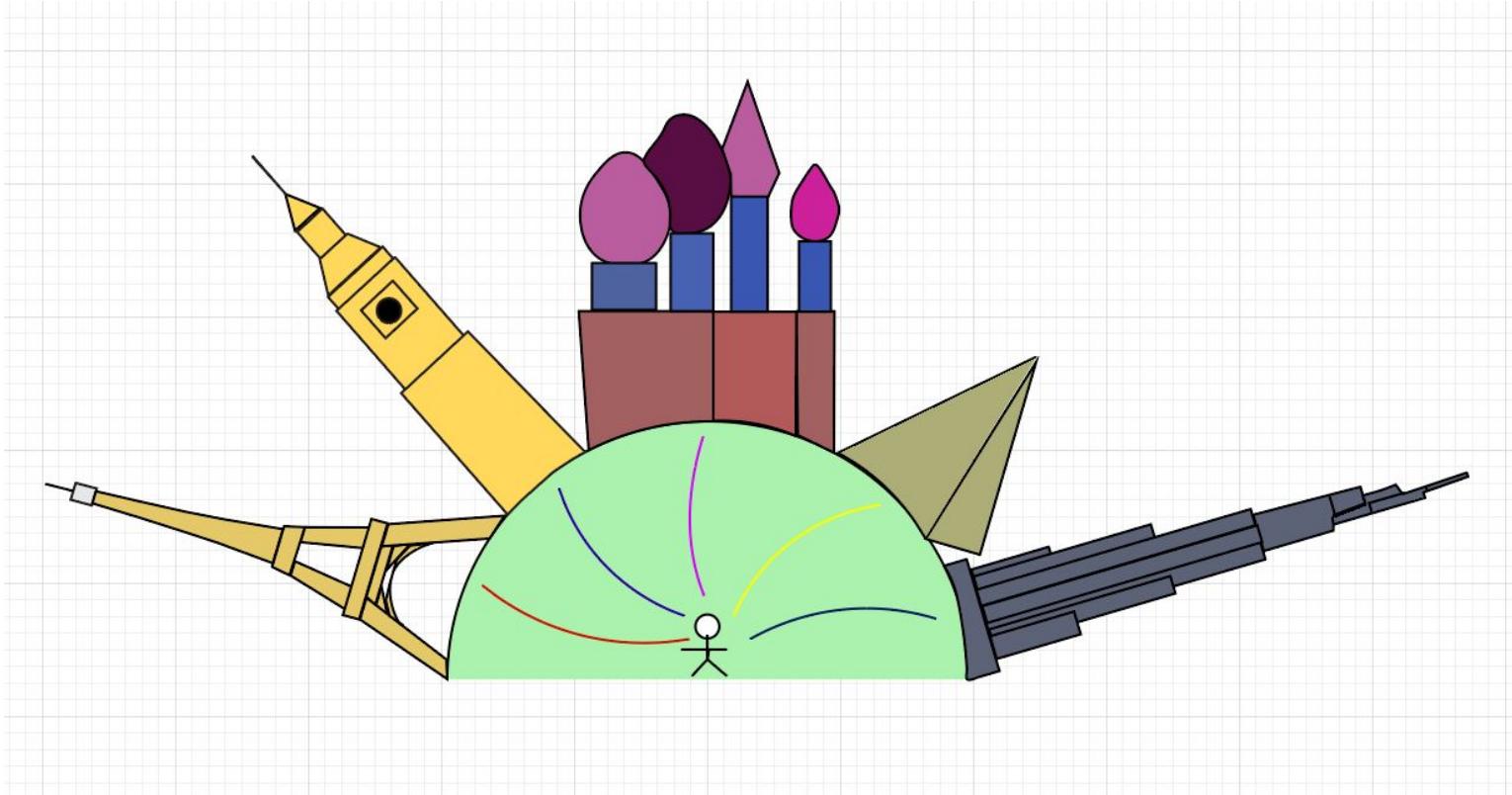
Part 3: Pre-Visualization Renderings



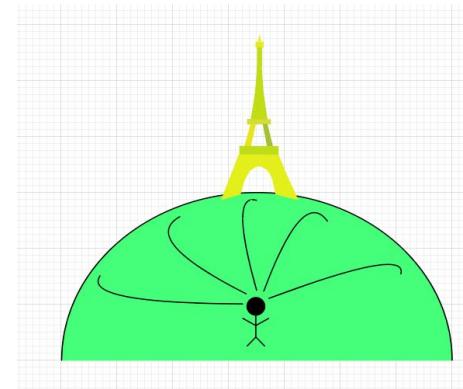
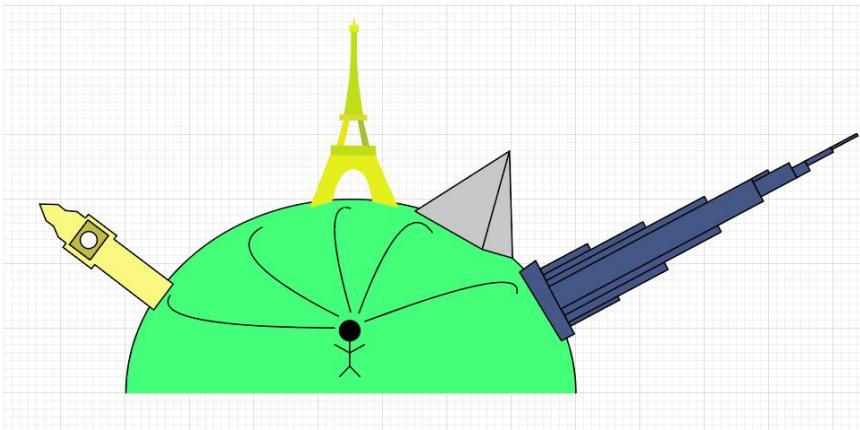
Part 3: Visualization Renderings



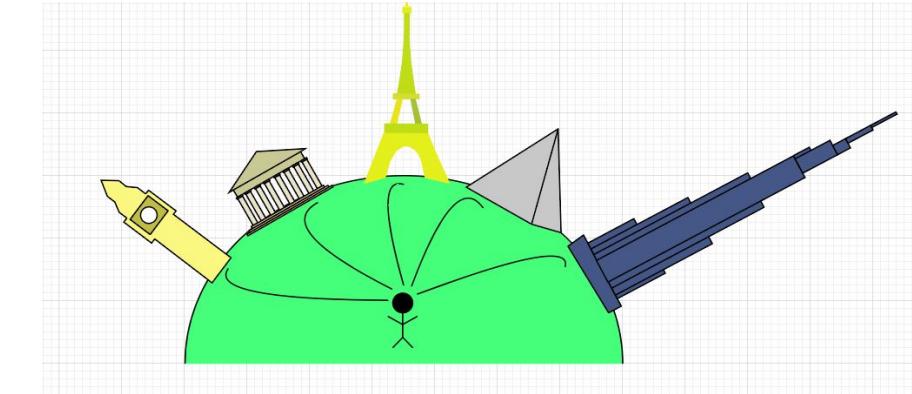
Part 3: Visualization Renderings



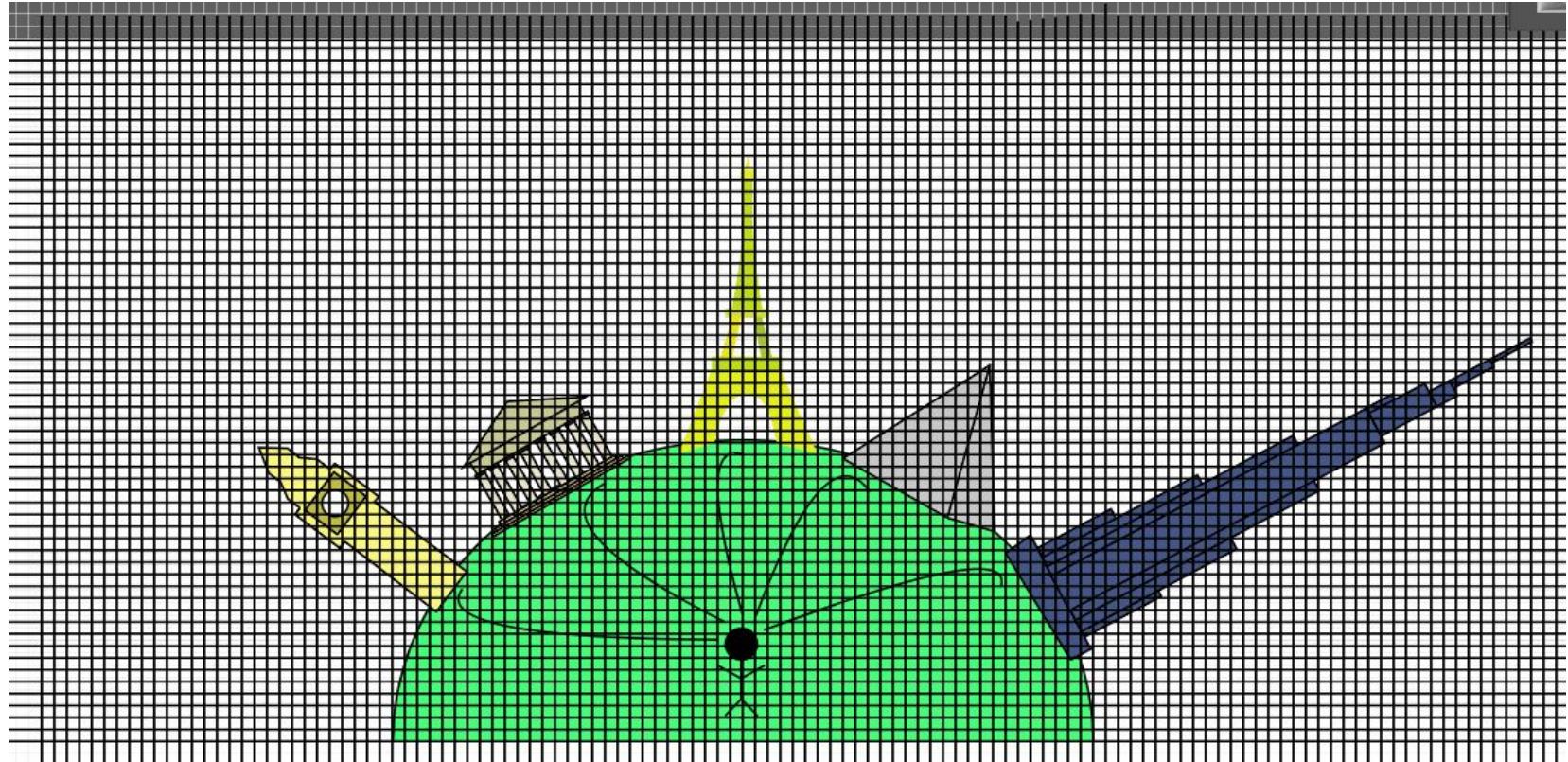
Part 3: Visualization Renderings



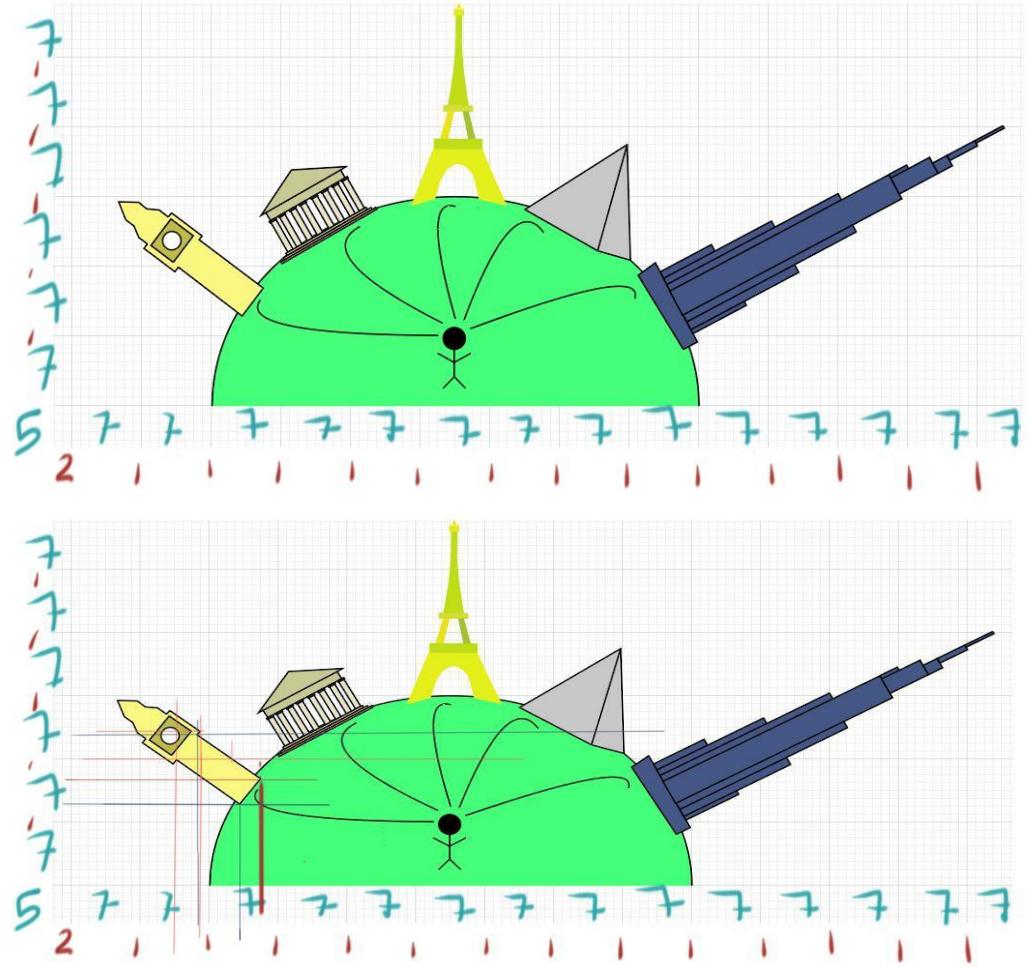
Final Sketch: better shapes, well defined symmetry.

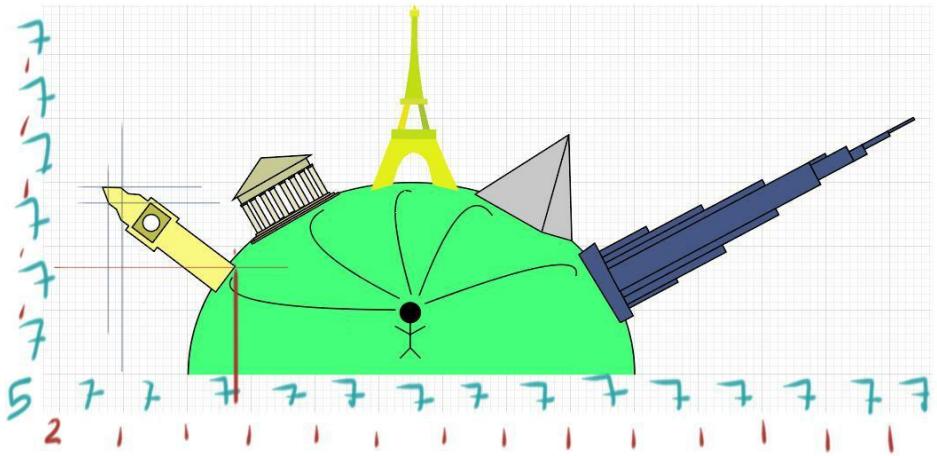


Pre-Pseudo Code



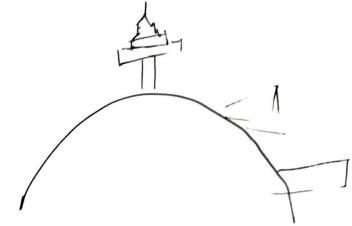
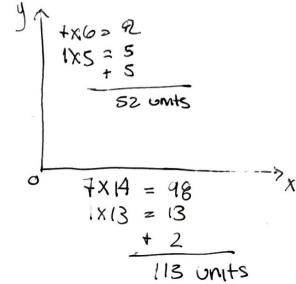
To define the units of the canvas properly, i used a program called SketchBook to set up the grid symmetrically and get the coordinate points manually





Manually calculating and recording the coordinate points took a lot of time, So then i found a program called Gimp, that allowed me rescale the drawing and set up the canvas in “pixels”. The program gave me the exact coordinates (in whole numbers) of each point.

Visualization for Pseudocode

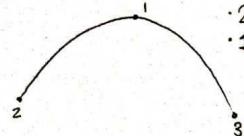


BIG BEN

- $\bullet 2 = (2, 7, 1, 7, 1, 6 ; 5, 7, 1, 5, 2) = (24, 18, 2)$
 $\bullet 1 = (2, 7, 1, 7, 1, 1, 3, 6 ; 5, 7, 1, 2, 1) = (21, 6, 15, 1)$
 $\bullet 3 = (2, 7, 1, 1, 7, 1, 1, 3 ; 5, 7, 1, 5, 8) = (21, 18, 8)$
 $\bullet 4 = (2, 7, 1, 1, 7, 1 ; 5, 7, 1, 7, 1, 3, 3) = (17, 1, 24, 3)$
 $\bullet 13 = (2, 7, 4, 1, 1 ; 5, 7, 1, 6, 897) = (14, 1, 19, 897)$
 $\bullet 5 = (2, 7, 1, 1, 3, 1 ; 5, 7, 1, 7, 1, 6, 1) = (13, 1, 27, 1)$
 $\bullet 6 = (2, 7, 1, 1, 3 ; 5, 7, 1, 7, 1, 5, 7) = (13, 26, 7)$
 $\bullet 7 = (2, 7, 1, 1, 2, 07 ; 5, 7, 1, 7, 1, 6, 5) = (12, 07, 27, 5)$
 $\bullet 12 = (2, 7, 1, 1, 3, 9 ; 5, 7, 1, 6, 5) = (13, 9, 19, 5)$
 $\bullet 11 = (2, 7, 1, 1, 3 ; 5, 7, 1, 7, 1, 2) = (16, 3, 23)$
 $10 = (2, 7, 1, 1, 9 ; 5, 7, 1, 7, 1, 2, 6) = (10, 9, 23, 6)$
 $\bullet 9 = (2, 6, 5 ; 5, 7, 1, 7, 1, 3, 3) = (8, 5, 24, 3)$
 $\bullet 20 = (2, 6 ; 5, 7, 1, 7, 1, 4, 7) = (8, 25, 7)$
 $\bullet 21 = (2, 7, 1, 1, 6 ; 5, 7, 1, 7, 1, 6, 8) = (10, 6, 27, 8)$
 $\bullet 18 = (2, 6 ; 5, 7, 1, 7, 1, 5, 3) = (8, 26, 8)$
 $\bullet 19 = (2, 7, 1, 9 ; 5, 7, 1, 7, 1, 7, 8) = (9, 4, 28, 3)$
 $\bullet 8 = (2, 5, 3 ; 5, 7, 1, 7, 1, 7, 8) = (7, 3, 28, 3)$

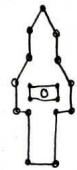
GIMP Coordinates

GIMP World: Coordinates in Pixels



- 1 = (164, 414)
- 2 = (410, 416)
- 3 = (667, 415)

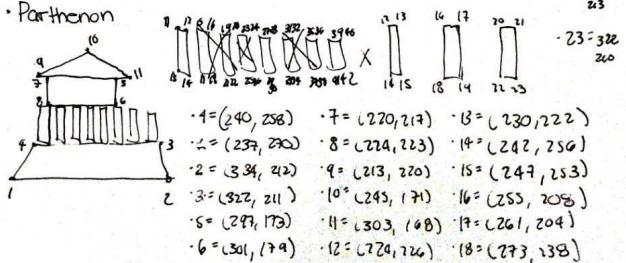
Big Ben



- 1 = (195, 322)
- 2 = (218, 293)
- 3 = (151, 244)
- 4 = (155, 240)
- 5 = (122, 216)
- 6 = (119, 220)
- 7 = (109, 213)
- 8 = (96, 211)
- 9 = (88, 205)
- 10 = (67, 204)
- 11 = (74, 221)
- 12 = (83, 229)
- 13 = (88, 241)
- 14 = (97, 248)

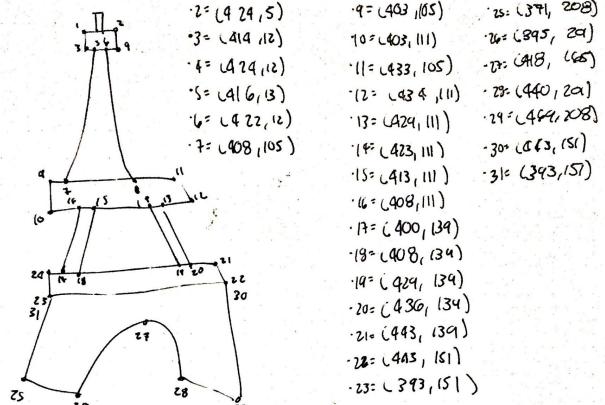
- 15 = (93, 263)
- 16 = (125, 297)
- 17 = (129, 273)
- 18 = (101, 250)
- 19 = (121, 222)
- 20 = (124, 267)
- 21 = (145, 241)
- 22 = (78, 135)
- 23 = (85, 119)
- 24 = (20, 248)
- 25 = (83, 224)
- 26 = (20, 244)

Parthenon



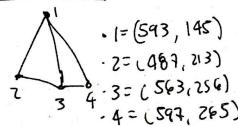
- 1 = (240, 258)
- 2 = (34, 242)
- 3 = (32, 211)
- 4 = (297, 173)
- 5 = (301, 174)
- 6 = (237, 200)
- 7 = (224, 223)
- 8 = (213, 220)
- 9 = (245, 171)
- 10 = (243, 168)
- 11 = (263, 168)
- 12 = (270, 176)
- 13 = (220, 177)
- 14 = (230, 222)
- 15 = (242, 256)
- 16 = (247, 253)
- 17 = (253, 208)
- 18 = (261, 204)
- 19 = (261, 198)
- 20 = (273, 138)
- 21 = (230, 151)
- 22 = (230, 152)
- 23 = (230, 153)

Eiffel Tower



- 1 = (419, 6)
- 2 = (424, 5)
- 3 = (414, 12)
- 4 = (424, 12)
- 5 = (416, 13)
- 6 = (422, 12)
- 7 = (408, 105)
- 8 = (430, 105)
- 9 = (403, 105)
- 10 = (403, 111)
- 11 = (433, 105)
- 12 = (434, 111)
- 13 = (424, 111)
- 14 = (423, 111)
- 15 = (413, 111)
- 16 = (408, 111)
- 17 = (400, 134)
- 18 = (408, 134)
- 19 = (424, 134)
- 20 = (436, 134)
- 21 = (443, 134)
- 22 = (443, 151)
- 23 = (393, 151)

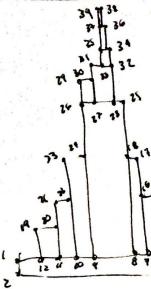
Pyramid



- 1 = (593, 145)
- 2 = (487, 213)
- 3 = (563, 256)
- 4 = (597, 265)

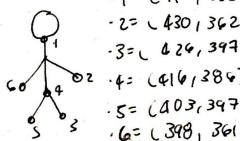
GIMP Coordinates

Bors Khalifa



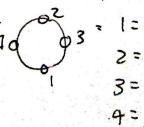
- 1 = (623, 268) • 8 = (651, 322) • 15 = (771, 278)
- 2 = (604, 281) • 9 = (638, 297) • 16 = (767, 270)
- 3 = (660, 350) • 10 = (634, 240) • 17 = (830, 235)
- 4 = (681, 357) • 11 = (631, 284) • 18 = (826, 228)
- 5 = (661, 341) • 12 = (629, 274) • 19 = (680, 244)
- 6 = (659, 337) • 13 = (716, 311) • 20 = (684, 255)
- 7 = (655, 329) • 14 = (714, 307) • 21 = (742, 225) • 27 = (866, 180)
- 33 = (909, 165) • 22 = (746, 231) • 28 = (875, 197)
- 34 = (930, 168) • 23 = (811, 197) • 29 = (882, 167)
- 35 = (924, 157) • 24 = (815, 202) • 30 = (884, 170)
- 36 = (955, 147) • 25 = (877, 202) • 31 = (906, 158)
- 37 = (952, 141) • 26 = (864, 177) • 32 = (915, 175)
- 28 = (923, 129)
- 39 = (982, 126)

Head



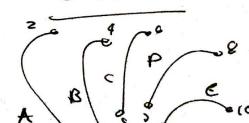
- 1 = (414, 358)
- 2 = (430, 362)
- 3 = (424, 347)
- 4 = (416, 384)
- 5 = (403, 347)
- 6 = (398, 361)

Head



- 1 = (414, 358)
- 2 = (414, 334)
- 3 = (403, 346)
- 4 = (426, 346)

Lines:



- 1 = (397, 378) • 6 = (414, 204)
- 2 = (213, 328) • 7 = (425, 231)
- 3 = (402, 331) • 8 = (507, 236)
- 4 = (316, 331) • 9 = (432, 243)
- 5 = (415, 329) • 10 = (602, 304)

Part 4: Pseudo Code

DEFINE CANVAS: SIZE

set canvas size to: 1005x458 pixels.

SETUP POINTS

World:

Set point 1: (410,416)

Set point 2: (164,414)

Set point 3: (667,415)

Big Ben

Set point 1: (195, 322)

Set point 2: (218, 293)

Set point 3: (151, 244)

Set point 4: (155, 240)

Set point 5: (122, 216)

Set point 6: (119, 220)

Set point 7: (109, 213)

Set point 8: (96 , 211)

Set point 9: (88 , 205)

Set point 10: (67, 204)

Set point 11: (74, 221)

Set point 12: (83, 229)

Set point 13: (88, 241)

Set point 14: (97, 248)

Set point 15: (93, 253)

Set point 16: (125, 277)

Set point 17: (129, 273)

Set point 18: (101, 250)

Set point 19: (121, 222)

Set point 20: (124, 267)

Set point 21: (145, 241)

Parthenon

Set point 1: (237, 270)

Set point 2: (334, 212)

Set point 3: (322, 211)

Set point 4: (240, 258)

Set point 5: (297, 173)

Set point 6: (301, 179)

Set point 7: (220, 217)

Set point 8: (224, 223)

Set point 9: (213, 220)

Set point 10: (245, 171)

Set point 11: (303, 168)

Set point 12: (224, 226)

Set point 13: (230, 222)

Set point 14: (242, 256)

Set point 15: (247, 253)

Set point 16: (255, 208)

Set point 17: (261, 204)

Set point 18: (273, 238)

Set point 19: (178, 235)

Set point 20: (298, 183)

Set point 21: (305, 179)

Set point 22: (316, 213)

Set point 23: (322, 260)

Eiffel Tower

Set point 1: (414, 6)

Set point 2: (424, 5)

Set point 3: (414, 12)

Set point 4: (424, 12)

Set point 5: (416, 12)

Set point 6: (422, 12)

Set point 7: (408, 105)

Set point 8: (430, 105)

Set point 9: (403, 105)

Set point 10: (403, 111)

Set point 11: (433, 105)

Set point 12: (434, 111)

Set point 13: (429, 111)

Set point 14: (423, 111)

Set point 15: (413, 111)

Set point 16: (408, 111)

Part 4: Pseudo Code

Set point 17: (400, 139)
Set point 18: (408, 139)
Set point 19: (429, 139)
Set point 20: (436, 134)
Set point 21: (443, 139)
Set point 22: (443, 151)
Set point 23: (393, 151)
Set point 24: (393, 139)
Set point 25: (371, 208)
Set point 26: (395, 201)
Set point 27: (418, 165)
Set point 28: (440, 201)
Set point 29: (469, 208)
Set point 30: (443, 151)
Set point 31: (393, 151)
Pyramid
Set point 1: (593, 145)
Set point 2: (487, 213)
Set point 3: (563, 256)
Set point 4: (597, 265)

Burj Khalifa
Set point 1: (623, 268)
Set point 2: (604, 281)
Set point 3: (666, 350)
Set point 4: (631, 357)
Set point 5: (661, 341)
Set point 6: (659, 337)
Set point 7: (655, 329)
Set point 8: (651, 322)
Set point 9: (638, 297)
Set point 10: (634, 290)
Set point 11: (631, 284)
Set point 12: (627, 277)
Set point 13: (716, 311)
Set point 14: (714, 307)
Set point 15: (771, 278)
Set point 16: (767, 270)
Set point 17: (830, 235)
Set point 18: (826, 228)
Set point 19: (680, 249)
Set point 20: (684, 255)
Set point 21: (742, 225)
Set point 22: (746, 231)
Set point 23: (811, 197)
Set point 24: (815, 202)

Set point 25: (877, 202)
Set point 26: (864, 177)
Set point 27: (866, 180)
Set point 28: (875, 197)
Set point 29: (882, 167)
Set point 30: (884, 170)
Set point 31: (906, 158)
Set point 32: (915, 175)
Set point 33: (909, 165)
Set point 34: (930, 168)
Set point 35: (924, 157)
Set point 36: (955, 147)
Set point 37: (952, 141)
Set point 38: (993, 129)
Set point 39: (982, 126)
Kid
Set point 1: (414, 358)
Set point 2: (430, 362)
Set point 3: (426, 397)
Set point 4: (416, 386)
Set point 5: (403, 397)
Set point 6: (398, 361)

Part 4: Pseudo Code

Head

Set point 1: (414, 358)

Set point 2: (414, 334)

Set point 3: (403, 346)

Set point 4: (426, 346)

Lines

Set point 1: (397, 343)

Set point 2: (213, 308)

Set point 3: (402, 331)

Set point 4: (316, 231)

Set point 5: (415, 324)

Set point 6: (414, 209)

Set point 7: (425, 331)

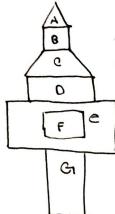
Set point 8: (307, 236)

Set point 9: (432, 343)

Set point 10: (602, 304)

Pseudo Code Part 2: Shapes

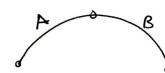
Big Ben



- Draw triangle A
- " " rectangle B
- " " shape C
- " " rectangle D
- " " rectangle E
- " " rectangle F
- " " rectangle G

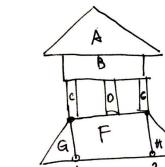
#2

World



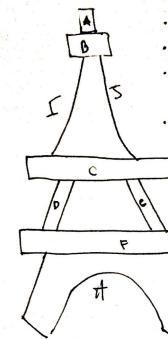
- Draw Curve A
- Draw Curve B

Parthenon



- Insert Point 1 = (244, 264)
- Insert Point 2 = (326, 217)
- Draw triangle A
- " " rectangle B
- " " " C - D - E - F
- Draw triangle G
- Draw triangle H

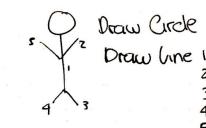
#4 Giffel Tower



- Draw Rectangle A
- "
- Draw Polygon D
- Draw Rectangle F
- Draw Curve I
- Draw Curve J

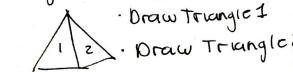
Draw curve L

#7 Kid



- Draw Circle
- Draw line 1
- "
- "
- "

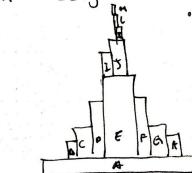
#5 Pyramid



- Draw Triangle 1
- Draw Triangle 2

#8 Curves
Draw Curve

#6 Burg Khalifa



- Draw Rectangle A I
- " B J
- " C K
- " D L
- " E M
- " F N
- " G
- " H

Part 5: Code

I first started by coding each individual point, with the purpose of being able to see if my shapes and scales are proportionate to what i had recorded.

```
1 //initializing the canvas
2 size(1005,458);
3 smooth();
4 background(255);
5
6 stroke(#607F9C);
7 strokeWeight(7);
8
9 //drawing point to be able to see if my coordinates are correct
10 //points for the world
11 point (410,416);
12 point (164,414);
13 point (667,415);
14
15 //points for BigBen
16 point (195, 322);
17 point (218, 293);|
18 point (151, 244);
19 point (155, 240);
20 point (122, 216);
21 point (119, 220);
22 point (109, 213);
23 point (96 , 211);
24 point (88 , 205);
25 point (67, 204);
26 point (74, 221);
27 point (83, 229);
28 point (88, 241);
29 point (97, 248);
30 point (93, 253);
31 point (125, 277);
32 point (129, 273);
33 point (101, 250);
```

```
33 point (101, 250);
34 point (121, 222);
35 point (124, 267);
36 point (145, 241);
37
38 //points for Parthenon
39 point (237, 270);
40 point (334, 212);
41 point (322, 211);
42 point (240, 258);
43 point (297, 173);
44 point (301, 179);
45 point (220, 217);
46 point (224, 223);
47 point (213, 220);
48 point (245, 171);
49 point (303, 168);
50 point (224, 226);
51 point (230, 222);
52 point (242, 256);
53 point (247, 253);
54 point (255, 208);
55 point (261, 204);
56 point (273, 238);
57 point (178, 235);
58 point (298, 183);
59 point (305, 179);
60 point (316, 213);
61 point (322, 260);
62
63 //points for Eiffel Tower
64 point (414, 6);
65 point (424, 5);

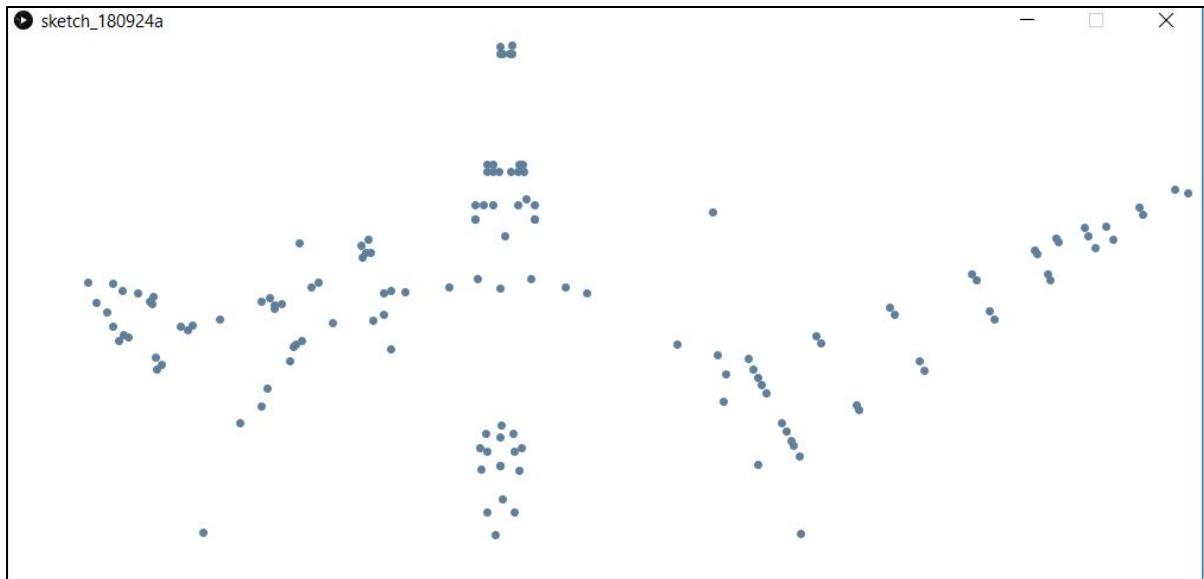
66 point (414, 12);
67 point (424, 12);
68 point (416, 12);
69 point (422, 12);
70 point (408, 105);
71 point (430, 105);
72 point (403, 105);
73 point (403, 111);
74 point (433, 105);
75 point (434, 111);
76 point (429, 111);
77 point (423, 111);
78 point (413, 111);
79 point (408, 111);
80 point (400, 139);
81 point (408, 139);
82 point (429, 139);
83 point (436, 134);
84 point (443, 139);
85 point (443, 151);
86 point (393, 151);
87 point (393, 139);
88 point (371, 208);
89 point (395, 201);
90 point (418, 165);
91 point (440, 201);
92 point (469, 208);
93 point (443, 151);
94 point (393, 151);
95
96 //pyramid
97 point (593, 145);
98 point (487, 213);

99 point (563, 256);
100 point (597, 265);
101 //Burj Khalifa
102 point (623, 268);
103 point (604, 281);
104 point (666, 350);
105 point (631, 357);
106 point (661, 341);
107 point (659, 337);
108 point (655, 329);
109 point (651, 322);
110 point (638, 297);
111 point (634, 290);
112 point (631, 284);
113 point (627, 277);
114 point (716, 311);
115 point (714, 307);
116 point (771, 278);
117 point (767, 270);
118 point (830, 235);
119 point (826, 228);
120 point (680, 249);
121 point (684, 255);
122 point (742, 225);
123 point (746, 231);
124 point (811, 197);
125 point (815, 202);
126 point (877, 202);
127 point (864, 177);
128 point (866, 180);
129 point (875, 197);
130 point (882, 167);

132 point (884, 170);
133 point (906, 158);
134 point (915, 175);
135 point (909, 165);
136 point (930, 168);
137 point (924, 157);
138 point (955, 147);
139 point (952, 141);
140 point (993, 129);
141 point (982, 126);
142
143 //kid
144 point (414, 358);
145 point (430, 362);
146 point (426, 397);
147 point (416, 386);
148 point (403, 397);
149 point (398, 361);
150
151 //head
152 point (414, 358);
153 point (414, 334);
154 point (403, 346);
155 point (426, 346);
156
157 //lines
158 point (397, 343);
159 point (213, 308);
160 point (402, 331);
161 point (316, 231);
162 point (415, 324);
163 point (414, 209);
164 point (425, 331);
```

Part 5: Code

Point Visualization after running the code

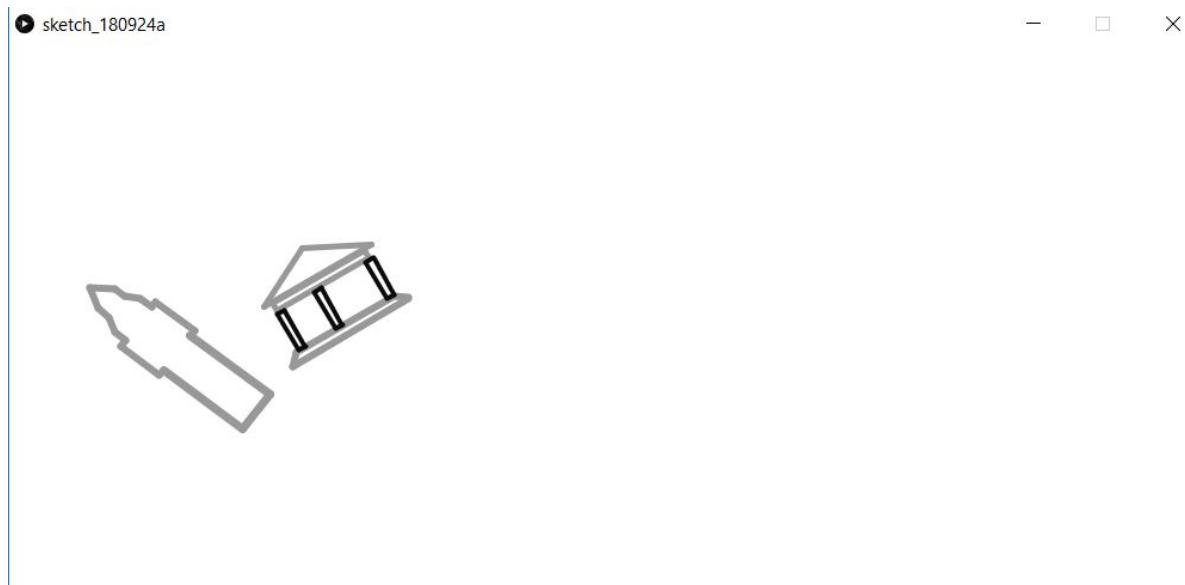


```
179 /*line drawing the shapes to verify that everything will be in proper place.  
180 i can study each line, its size, and orientation  
181 i want to visualize each line individually and decide which one works the best.  
182 after that i will be comfortable in coding actual shapes. */  
183  
184 //drawing BigBen  
185 stroke(153);  
186 strokeWeight(7);  
187 line (195, 322, 218, 293); //1-2  
188 line (218, 293, 151, 244); //2-3  
189 line (195, 322, 129, 273); //1-17  
190  
191 stroke(153);  
192 strokeWeight(6);  
193 line (151, 244, 155, 240); //3-4  
194 line (155, 240, 122, 216); //4-5  
195 line (122, 216, 119, 220); //5-6  
196 line (119, 220, 109, 213); //6-7  
197 line (109, 213, 96, 211); //7-8  
198 line (96, 211, 88, 205); //8-9  
199 line (88, 205, 67, 204); //9-10  
200 line (67, 204, 74, 221); //10-11  
201 line (74, 221, 83, 229); //11-12  
202 line (83, 229, 88, 241); //12-13  
203 line (88, 241, 97, 248); //13-14  
204 line (97, 248, 93, 253); //14-15  
205 line (93, 253, 125, 277); //15-16  
206 line (125, 277, 129, 273); //16-17  
207  
208 //drawing Parthenon  
209 stroke(153);  
210
```

```
208 //drawing Parthenon  
209 stroke(153);  
210 strokeWeight(6);  
211 line (237, 270, 334, 213); //1-2  
212 line (334, 212, 322, 211); //2-3  
213 line (322, 211, 240, 258); //3-4  
214 line (240, 258, 237, 270); //4-1  
215  
216 stroke(153);  
217 strokeWeight(5);  
218 line (213, 220, 303, 168); //9-11  
219 line (303, 168, 245, 171); //11-10  
220 line (245, 171, 213, 220); //10-9  
221  
222 stroke(153);  
223 strokeWeight(5);  
224 line (220, 217, 224, 223); //7-8  
225 line (224, 223, 301, 179); //8-6  
226 line (301, 179, 297, 173); //6-5  
227 line (297, 173, 220, 217); //5-7  
228  
229 stroke(12);  
230 strokeWeight(3.9);  
231 line (224, 226, 230, 223); //12-13  
232 line (224, 226, 242, 256); //12-14  
233 line (230, 223, 247, 253); //13-15  
234 line (242, 256, 248, 253); //14-15  
235  
236 /* the code above is a proof of why i decided  
237 to draw each line individually. i had to alter  
238 points 13 and 15 to be able to make the rectangle  
239 more symetrical */  
240  
241 line (255, 208, 261, 204); //16-17  
242 line (255, 208, 273, 238); //16-18  
243 line (261, 204, 278, 235); //17-19  
244 line (273, 238, 279, 235); //18-19  
245  
246 line (298, 183, 304, 179); //20-21  
247 line (298, 183, 316, 213); //20-22  
248 line (305, 179, 322, 210); //21-23  
249 line (316, 213, 322, 210); //22-23  
250  
251
```

Part 5: Code

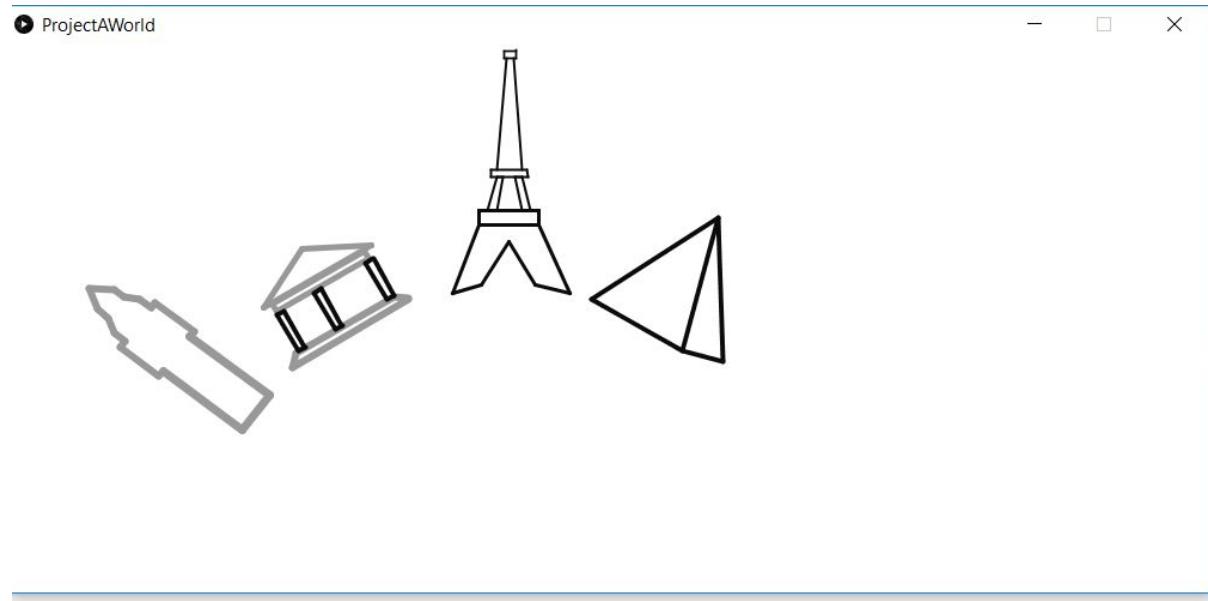
Visualization after running code from previous slide



```
241 line (255, 208, 261, 204); //16-17
242 line (255, 208, 273, 238); //16-18
243 line (261, 204, 278, 235); //17-19
244 line (273, 238, 279, 235); //18-19
245
246 line (298, 183, 304, 179); //20-21
247 line (298, 183, 316, 213); //20-22
248 line (305, 179, 322, 210); //21-23
249 line (316, 213, 322, 210); //22-23
250
251 //drawing Pyramid
252 line (593, 145, 487, 213); //1-2
253 line (593, 145, 563, 256); //1-3
254 line (593, 145, 597, 265); //1-4
255 line (487, 213, 563, 256); //2-3
256 line (563, 256, 597, 265); //3-4
257
258 //drawing Eiffel Tower
259 strokeWeight(1.7);
260 line (414, 6, 424, 6); //1-2
261 line (414, 6, 414, 12); //1-3
262 line (424, 5, 424, 12); //2-4
263 line (414, 12, 424, 12); //3-4
264
265 strokeWeight(2);
266 line (403, 105, 433, 105); //9-11
267 line (403, 111, 434, 111); //10-12
268 line (403, 105, 403, 111); //9-10
269 line (433, 105, 434, 111); //11-12
270
271 line (408, 111, 413, 111); //16-15
272 line (408, 111, 400, 139); //16-17
273 line (413, 111, 408, 139); //15-18
274
```

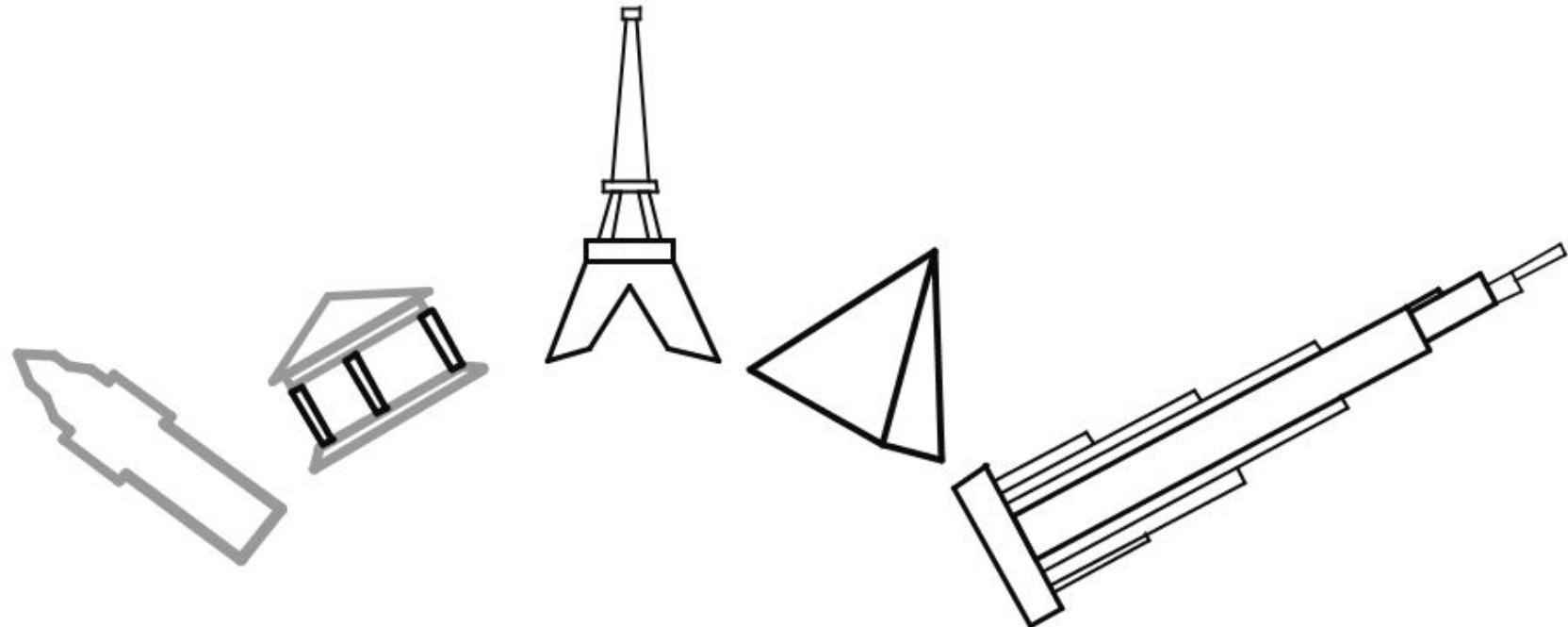
```
275 strokeWeight(2);
276 line (403, 105, 433, 105); //9-11
277 line (403, 111, 434, 111); //10-12
278 line (403, 105, 403, 111); //9-10
279 line (433, 105, 434, 111); //11-12
280
281 strokeWeight(2);
282 line (429, 111, 423, 111); //13-14
283 line (429, 111, 436, 139); //13-20
284 line (423, 111, 429, 139); //14-19
285 line (429, 139, 436, 139); //19-20
286
287 line (393, 139, 443, 139); //24-21
288 line (393, 139, 393, 151); //24-23
289 line (443, 139, 443, 151); //21-22
290 line (393, 151, 443, 151); //23-22
291
292 line (393, 151, 371, 208); //23-25
293 line (393, 151, 443, 151); //23-30
294 line (371, 208, 395, 201); //25-26
295 line (395, 201, 418, 165); //26-27
296 line (418, 165, 440, 201); //27-28
297 line (440, 201, 469, 208); //28-29
298 line (469, 208, 443, 151); //29-30
299
300 strokeWeight(2);
301 line (416, 12, 408, 105); //3-7
302 line (422, 12, 429, 105); //6-8
303
```

Visualization after code was executed.



```
298
299 //Burj Khalifa
300 strokeWeight(3);
301 line (622, 268, 666, 350); //1-3
302 line (623, 268, 604, 281); //1-2
303 line (604, 281, 648, 360); //2-4
304 line (666, 350, 648, 360); //3-4
305
306 line (638, 297, 651, 322); //9-8
307 line (651, 322, 877, 202); //8-25
308 line (638, 297, 864, 177); //9-26
309 line (877, 202, 864, 177); //25-26
310
311 strokeWeight(2);
312 line (826, 228, 830, 235); //18-17
313 line (830, 235, 655, 329); //17-7
314 line (767, 270, 771, 278); //16-15
315 line (771, 278, 659, 337); //15-6
316 line (714, 307, 716, 311); //14-13
317 line (716, 311, 661, 341); //13-5
318
319 line (680, 249, 684, 255); //19-20
320 line (680, 249, 627, 277); //19-12
321 line (742, 225, 746, 231); //21-22
322 line (742, 225, 631, 284); //21-11
323 line (811, 197, 815, 202); //23-24
324 line (811, 197, 634, 290); //23-10
325
326 strokeWeight(3);
327 line (882, 167, 884, 170); //29-30
328 line (882, 167, 864, 177); //29-26
329 line (906, 158, 915, 175); //31-32
330 line (906, 158, 866, 180); //31-27
```

```
330 line (906, 158, 866, 180); //31-27
331 line (915, 175, 875, 197); //32-28
332
333 strokeWeight(1.7);
334 line (924, 157, 909, 165); //35-33
335 line (924, 157, 930, 168); //35-34
336 line (930, 168, 915, 175); //34-32
337 line (952, 141, 955, 147); //37-36
338 line (952, 141, 924, 157); //37-35
339 line (955, 147, 926, 162);
340
```



```
337 line (952, 141, 924, 157); //37-35
338 line (955, 147, 926, 162); //finished
339
340 //drawing lines
341 line (397, 343, 213, 308); //1-2
342 line (402, 331, 316, 231); //3-4
343 line (415, 324, 414, 209); //5-6
344 line (425, 331, 507, 236); //7-8
345 line (432, 343, 602, 304); //9-10
346
347 //drawing dude
348 line (416, 358, 416, 386); //1-4
349 line (426, 397, 416, 386); //3-4
350 line (403, 397, 416, 386); //5-4
351
352 /*the values of these points were changed by some
353 units. Another example of why i decided to draw the
354 lines; so i can check for symmetry, and position */
355
356 line (416, 358, 416, 334); //1-2
357 line (426, 346, 406, 346); //4-3
358
359 /* in the following codes, i will be drawing each shape and
360 giving them their respective colors */
361
362 /* Drawing Burj Khalifa in terms of Rectangles
363 the rectangles are not going to have a stroke since
364 i already made the lines for them. Having the lines
365 will be my reference for the position of each rectangle.
366 In the Pseudo Code, i specified what are the respective
367 shapes.
368 For the color of the rectangles, I'm basing the research from
369 color.adobe.com */
```

```
370
371 //Rectangle A: Base.
372 noStroke();
373 fill(#161C25);
374
375 //rectMode(CORNERS);      doesn't work
376 //rect(622, 268, 648, 360); doesn't work
377
378 beginShape();
379 vertex (622, 268);
380 vertex (604, 281);
381 vertex (648, 360);
382 vertex (666, 350);
383 endShape();
384
385 //Rectangle E: CenterBlock.
386 noStroke();
387 fill(#12243E);
388 beginShape();
389 vertex (638, 297);
390 vertex (651, 322);
391 vertex (877, 202);
392 vertex (864, 177);
393 endShape();
394
395 //Rectangle F (8,7,17,18)
396 noStroke();
397 fill(#3E606F);
398 beginShape();
399 vertex (651, 322);
400 vertex (655, 329);
401 vertex (830, 235);
402 vertex (826, 228);
        ..
```

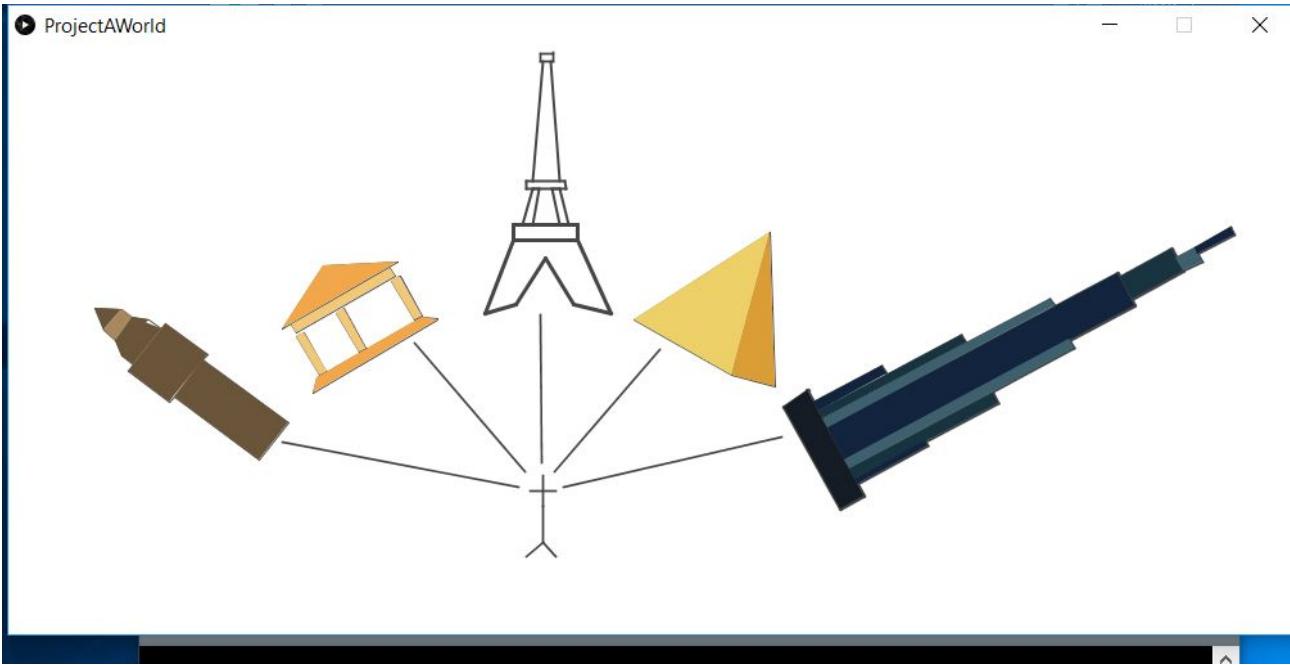
```
403 endShape();  
404  
405 //Rectangle G (7,6,15,16)  
406 noStroke();  
407 fill(#193441);  
408 beginShape();  
409 vertex (655, 329);  
410 vertex (659, 337);  
411 vertex (771, 278);  
412 vertex (767, 270);  
413 endShape();  
414  
415 //Rectangle H (6,5,13,14)  
416 noStroke();  
417 fill(#12243E);  
418 beginShape();  
419 vertex (659, 337);  
420 vertex (661, 341);  
421 vertex (716, 311);  
422 vertex (714, 307);  
423 endShape();  
424  
425 //Rectangle B (12,11,20,19)  
426 noStroke();  
427 fill(#12243E);  
428 beginShape();  
429 vertex (627, 277);  
430 vertex (631, 284);  
431 vertex (684, 255);  
432 vertex (680, 249);  
433 endShape();  
434  
435 //Rectangle C (11,10,22,21)  
436 noStroke();  
437 fill(#193441);  
438 beginShape();  
439 vertex (631, 284);  
440 vertex (634, 290);  
441 vertex (746, 231);  
442 vertex (742, 225);  
443 endShape();  
444  
445 //Rectangle D (10,9,23,24)  
446 noStroke();  
447 fill(#3E606F);  
448 beginShape();  
449 vertex (634, 290);  
450 vertex (638, 297);  
451 vertex (815, 202);  
452 vertex (811, 197);  
453 endShape();  
454  
455 //Rectangle I (26,27,29,30)  
456 noStroke();  
457 fill(#193341);  
458 beginShape();  
459 vertex (866, 180);  
460 vertex (875, 197);  
461 vertex (915, 175);  
462 vertex (906, 158);  
463 endShape();  
464  
465 //Rectangle K (33,32,34,35)  
466 noStroke();  
467 fill(#3E606F);  
468 beginShape();  
469 vertex (909, 165);  
470 vertex (915, 175);  
471 vertex (930, 168);  
472 vertex (924, 157);  
473 endShape();  
474  
475 //Rectangle L (37,35,926,162,36)  
476 noStroke();  
477 fill(#12243E);  
478 beginShape();  
479 vertex (952, 141);  
480 vertex (924, 157);  
481 vertex (926, 162);  
482 vertex (955, 147);  
483 endShape();  
484  
485 /* #####  
486 #####  
487 #####  
488 Shapes for the Pyramid */  
489  
490 //Triangle A  
491 noStroke();  
492 fill(#EED069);  
493 beginShape();  
494 vertex (593, 145);  
495 vertex (487, 213);  
496 vertex (563, 256);  
497 endShape();  
498  
499 //Triangle B  
500 noStroke();  
501 fill(#DB9E36);  
502 beginShape();
```

```
502 beginShape();
503 vertex (593, 145);
504 vertex (563, 256);
505 vertex (597, 265);
506 endShape();
507
508 /*#####
509 #####
510 #####
511 Shapes for Big Ben */
512
513 //Triangle A (10,11,9)
514 fill(#6A553A);
515 noStroke();
516 beginShape();
517 vertex (67, 204);
518 vertex (74, 221);
519 vertex (88, 205);
520 endShape();
521
522 //Box B (11,12,8,9)
523 fill(#AA885E);
524 noStroke();
525 beginShape();
526 vertex (74, 221);
527 vertex (83, 229);
528 vertex (96, 211);
529 vertex (88, 205);
530 endShape();
531
532 //Shape C (12,13,7,8)
533 noStroke();
534 fill(#6A553A);
```

```
535 beginShape();
536 vertex (83, 229);
537 vertex (88, 241);
538 vertex (109, 213);
539 vertex (96, 211);
540 endShape();
541
542 //Rectangle D (13,14,6,7)
543 noStroke();
544 fill(#6A553A);
545 beginShape();
546 vertex (88, 241);
547 vertex (97, 248);
548 vertex (119, 220);
549 vertex (96, 211);
550 endShape();
551
552 //Rectangle E (15,16,4,5)
553 noStroke();
554 fill(#6A553A);
555 beginShape();
556 vertex (93, 253);
557 vertex (125, 277);
558 vertex (155, 240);
559 vertex (122, 216);
560 endShape();
561
562 //Rectangle F (17,1,2,3)
563 noStroke();
564 fill(#6A553A);
565 beginShape();
566 vertex (129, 273);
567 vertex (195, 322);
568 vertex (218, 293);
```

```
568 vertex (218, 293);
569 vertex (151, 244);
570 endShape();
571
572 ######
573 #####
574 #####
575 Shapes for the Parthenon */
576
577 // Triangle A (10,9,11)
578 noStroke();
579 fill(#F2A74B);
580 beginShape();
581 vertex (245, 171);
582 vertex (213, 220);
583 vertex (303, 168);
584 endShape();
585
586 // Rectangle B (7,8,5,6)
587 noStroke();
588 fill(#F2C879);
589 beginShape();
590 vertex (220, 217);
591 vertex (224, 223);
592 vertex (301, 179);
593 vertex (297, 173);
594 endShape();
595
596 // Rectangle C (12, 13, 15, 14)
597 noStroke();
598 fill(#F2C879);
599 beginShape();
600 vertex (224, 226);
```

```
601 vertex (230, 223);
602 vertex (248, 253);
603 vertex (242, 256);
604 endShape();
605
606 // Rectangle D (16, 17, 18, 19)
607 noStroke();
608 fill(#F2C879);
609 beginShape();
610 vertex (255, 208);
611 vertex (261, 204);
612 vertex (278, 235);
613 vertex (273, 238);
614 endShape();
615
616 // Rectangle E (20, 21, 23, 22)
617 noStroke();
618 fill(#F2C879);
619 beginShape();
620 vertex (298, 183);
621 vertex (304, 179);
622 vertex (322, 210);
623 vertex (316, 213);
624 endShape();
625
626 // Rectangle F (4, 1, 2, 3)
627 noStroke();
628 fill(#F2A74B);
629 beginShape();
630 vertex (240, 258);
631 vertex (237, 270);
632 vertex (334, 213);
633 vertex (322, 211);
```



Major Changes Were made in the code: Parts were removed, added, and data points were altered until obtaining perfection.

Points were removed, basic drawing functions were used to create the shapes.

```
1 //initializing the canvas
2 size(1005,458);
3 smooth();
4 background(#CBE6FF);
5
6
7 //world
8 stroke(#376AAE);
9 strokeWeight(3);
10 fill(#ACFFB3);
11 ellipse (417, 416, 497, 440);
12 /*
13 line drawing the shapes to verify that everything will be in proper place.
14 i can study each line, its size, and orientation
15 i want to visualize each line individually and decide which one works the best.
16 after that i will be comfortable in coding actual shapes. */
17 //drawing Pyramid
18 line (593, 145, 487, 213); //1-2
19 line (593, 145, 563, 256); //1-3
20 line (593, 145, 597, 265); //1-4
21 line (487, 213, 563, 256); //2-3
22 line (563, 256, 597, 265); //3-4
23
24 //drawing Eiffel Tower
25 strokeWeight(1.7);
26 line (414, 6, 424, 6); //1-2
27 line (414, 6, 414, 12); //1-3
28 line (424, 5, 424, 12); //2-4
29 line (414, 12, 424, 12); //3-4
30
31 strokeWeight(2);
32 line (403, 105, 433, 105); //9-11
33 line (403, 111, 434, 111); //10-12
34 line (403 105 403 111) //9-10
```

```
32 line (403, 105, 433, 105); //9-11
33 line (403, 111, 434, 111); //10-12
34 line (403, 105, 403, 111); //9-10
35 line (433, 105, 434, 111); //11-12
36
37 line (408, 111, 413, 111); //16-15
38 line (408, 111, 400, 139); //16-17
39 line (413, 111, 408, 139); //15-18
40 line (400, 139, 408, 139); //17-18
41
42 line (429, 111, 423, 111); //13-14
43 line (429, 111, 436, 139); //13-20
44 line (423, 111, 429, 139); //14-19
45 line (429, 139, 436, 139); //19-20
46
47 strokeWeight(3);
48 line (393, 139, 443, 139); //24-21
49 line (393, 139, 393, 151); //24-23
50 line (443, 139, 443, 151); //21-22
51 line (393, 151, 443, 151); //23-22
52
53 line (393, 151, 371, 208); //23-25
54 line (393, 151, 443, 151); //23-30
55 line (371, 208, 395, 208); //25-26
56 //line (395, 201, 418, 165); //26-27
57 line (395, 208, 397, 190); //26-2A
58 line (397, 190, 401, 181); //2A-2B
59 line (401, 181, 406, 172); //2B-2C
60 line (406, 172, 418, 165); //2C-27
61 line (418, 165, 430, 172); //27-D
62 line (430, 172, 435, 181); //D-E
63 line (435, 181, 437, 190); //E-F
64 line (437, 190, 440, 208); //F-28
65 line (440, 208, 469, 208); //28-29
66 line (469, 208, 443, 151); //29-30
67
68 strokeWeight(2);
69 //line (416, 12, 408, 105); //3-7
70 //line (422, 12, 429, 105); //6-8
71 line (416, 12, 414, 55); //3-A
72 line (414, 55, 413, 73); //A-B
73 line (413, 73, 410, 91); //B-C
74 line (410, 91, 408, 105); //C-7
75
76 line (422, 12, 423, 55); //6-D
77 line (423, 55, 424, 73); //D-E
78 line (424, 73, 427, 91); //E-F
79 line (427, 91, 429, 105); //F-8
80
81 //Burj Khalifa
82 strokeWeight(3);
83 line (622, 268, 666, 350); //1-3
84 line (623, 268, 604, 281); //1-2
85 line (604, 281, 648, 360); //2-4
86 line (666, 350, 648, 360); //3-4
87
88 /* if you compare the coordinates for point 4,
89 point 4 was altered. */
90
91 line (638, 297, 651, 322); //9-8
92 line (651, 322, 877, 202); //8-25
93 line (638, 297, 864, 177); //9-26
94 line (877, 202, 864, 177); //25-26
95
96 strokeWeight(2);
97 line (826, 228, 830, 235); //18-17
98 line (830, 235, 655, 329); //17-7
99 line (767, 270, 771, 278); //16-15
100 line (771, 278, 659, 337); //15-6
101 line (714, 307, 716, 311); //14-13
102 line (716, 311, 661, 341); //13-5
103
104 line (680, 249, 684, 255); //19-20
105 line (680, 249, 627, 277); //19-12
106 line (742, 225, 746, 231); //21-22
107 line (742, 225, 631, 284); //21-11
108 line (811, 197, 815, 202); //23-24
109 line (811, 197, 634, 290); //23-10
110
111 strokeWeight(3);
112 line (906, 158, 915, 175); //31-32
113 line (906, 158, 866, 180); //31-27
114 line (915, 175, 875, 197); //32-28
115
116 strokeWeight(1.7);
117 line (924, 157, 909, 165); //35-33
118 line (924, 157, 930, 168); //35-34
119 line (930, 168, 915, 175); //34-32
120 line (952, 141, 955, 147); //37-36
121 line (952, 141, 924, 157); //37-35
122 line (955, 147, 926, 162); //finished
123
124 /*
125 drawing lines
126 line (397, 343, 213, 308); //1-2
127 line (402, 331, 316, 231); //3-4
128 line (415, 324, 414, 209); //5-6
129 line (425, 331, 507, 236); //7-8
130 line (432, 343, 602, 304); //9-10
131 */
132
133
134 //drawing dude
135 stroke(#000000);
136 strokeWeight(2);
137 line (416, 358, 416, 386); //1-4
138 line (426, 397, 416, 386); //3-4
```

```
139 line (403, 397, 416, 386); //5-4
140
141 /*the values of these points were changed by some
142 units. Another example of why i decided to draw the
143 lines; so i can check for symmetry, and position */
144
145 //line (416, 358, 416, 338); //1-2
146 //line (426, 346, 406, 346); //4-3
147
148 ellipse (416, 348, 20, 20);
149 /* in the following codes, i will be drawing each shape and
150 giving them their respective colors */
151
152 /* Drawing Burj Khalifa in terms of Rectangles
153 the rectangles are not going to have a stroke since
154 i already made the lines for them. Having the lines
155 will be my reference for the position of each rectangle.
156 In the Pseudo Code, i specified what are the respective
157 shapes.
158 For the color of the rectangles, I'm basing the research from
159 color.adobe.com */
160
161 //Rectangle A: Base.
162 noStroke();
163 fill(#161C25);
164
165 //rectMode(CORNERS);      doesn't work
166 //rect(622, 268, 648, 360); doesn't work
167
168 beginShape();
169 vertex (622, 268);
170 vertex (604, 281);
171 vertex (648, 360);
172 vertex (666, 350);
173 endShape();
```

```
174
175 //Rectangle E: CenterBlock.
176 noStroke();
177 fill(#12243E);
178 beginShape();
179 vertex (638, 297);
180 vertex (651, 322);
181 vertex (877, 202);
182 vertex (864, 177);
183 endShape();
184
185 //Rectangle F (8,7,17,18)
186 noStroke();
187 fill(#3E606F);
188 beginShape();
189 vertex (651, 322);
190 vertex (655, 329);
191 vertex (830, 235);
192 vertex (826, 228);
193 endShape();
194
195 //Rectangle G (7,6,15,16)
196 noStroke();
197 fill(#193441);
198 beginShape();
199 vertex (655, 329);
200 vertex (659, 337);
201 vertex (771, 278);
202 vertex (767, 270);
203 endShape();
204
205 //Rectangle H (6,5,13,14)
206 noStroke();
207 fill(#12243E);
208 beginShape();
```

```
208 beginShape();
209 vertex (659, 337);
210 vertex (661, 341);
211 vertex (716, 311);
212 vertex (714, 307);
213 endShape();
214
215 //Rectangle B (12,11,20,19)
216 noStroke();
217 fill(#12243E);
218 beginShape();
219 vertex (627, 277);
220 vertex (631, 284);
221 vertex (686, 255);
222 vertex (680, 249);
223 endShape();
224
225 //Rectangle C (11,10,22,21)
226 noStroke();
227 fill(#193441);
228 beginShape();
229 vertex (631, 284);
230 vertex (634, 290);
231 vertex (746, 231);
232 vertex (742, 225);
233 endShape();
234
235 //Rectangle D (10,9,23,24)
236 noStroke();
237 fill(#3E606F);
238 beginShape();
239 vertex (634, 290);
240 vertex (638, 297);
241 vertex (815, 202);
242 vertex (811, 197);
```

```
243 endShape();
244
245 //Rectangle I (26,27,29,30)
246 noStroke();
247 fill(#193341);
248 beginShape();
249 vertex (866, 180);
250 vertex (875, 197);
251 vertex (915, 175);
252 vertex (906, 158);
253 endShape();
254
255 //Rectangle K (33,32,34,35)
256 noStroke();
257 fill(#3E606F);
258 beginShape();
259 vertex (909, 165);
260 vertex (915, 175);
261 vertex (930, 168);
262 vertex (924, 157);
263 endShape();
264
265 //Rectangle L (37,35,926,162,36)
266 noStroke();
267 fill(#12243E);
268 beginShape();
269 vertex (952, 141);
270 vertex (924, 157);
271 vertex (926, 162);
272 vertex (955, 147);
273 endShape();
274
275 /* #####
276 #####
277 #####*/
278
279 //Triangle A
280 noStroke();
281 fill(#EED069);
282 beginShape();
283 vertex (593, 145);
284 vertex (487, 213);
285 vertex (563, 256);
286 endShape();
287
288
289 //Triangle B
290 noStroke();
291 fill(#DB9E36);
292 beginShape();
293 vertex (593, 145);
294 vertex (563, 256);
295 vertex (597, 265);
296 endShape();
297
298 /*#####
299 #####
300 #####
301 Shapes for Big Ben */
302
303 //Triangle A (10,11,9)
304 fill(#D9BB93);
305 noStroke();
306 beginShape();
307 vertex (67, 204);
308 vertex (74, 221);
309 vertex (88, 205);
310 endShape();
311
312 //Box B (11,12,8,9)
313 fill(#D9BB93);
314 noStroke();
315
316 fill(#D9BB93);
317 noStroke();
318 beginShape();
319 vertex (74, 220);
320 vertex (83, 229);
321 vertex (96, 211);
322 vertex (88, 204);
323 endShape();
324
325 //Shape C (12,13,7,8)
326 noStroke();
327 fill(#D9BB93);
328 beginShape();
329 vertex (83, 228);
330 vertex (88, 241);
331 vertex (109, 213);
332 vertex (96, 210);
333 endShape();
334
335 //Rectangle D (13,14,6,7)
336 noStroke();
337 fill(#D9BB93);
338 beginShape();
339 vertex (88, 240);
340 vertex (97, 248);
341 vertex (119, 220);
342 vertex (109, 212);
343 endShape();
344
345 //Rectangle E (15,16,4,5)
346 noStroke();
347 fill(#D9BB93);
348 beginShape();
349 vertex (93, 252);
350 vertex (125, 277);
```

```
348 vertex (155, 240);
349 vertex (122, 215);
350 endShape();
351
352 //Rectangle F (17,1,2,3)
353 noStroke();
354 fill(#D9BB93);
355 beginShape();
356 vertex (127.8, 272.8);
357 vertex (195, 322);
358 vertex (218, 293);
359 vertex (151, 244);
360 endShape();
361
362 /*#####
363 #####
364 #####
365 Shapes for the Parthenon */
366
367 // Triangle A (10,9,11)
368 noStroke();
369 fill(#76918E);
370 beginShape();
371 vertex (245, 171);
372 vertex (213, 220);
373 vertex (303, 168);
374 endShape();
375
376 // Rectangle B (7,8,5,6)
377 noStroke();
378 fill(#76918E);
379 beginShape();
380 vertex (220, 217);
381 vertex (224, 223);
382 vertex (301, 179);
386 // Rectangle C (12, 13, 15, 14)
387 stroke(#a64724);
388 strokeWeight(1);
389 fill(#76918E);
390 beginShape();
391 vertex (224, 223);
392 vertex (230, 220);
393 vertex (248, 254);
394 vertex (242, 257);
395 endShape();
396
397 // Rectangle D (16, 17, 18, 19)
398 stroke(#a64724);
399 strokeWeight(1);
400 fill(#76918E);
401 beginShape();
402 vertex (260, 203);
403 vertex (266, 200);
404 vertex (285, 234);
405 vertex (278, 235);
406 endShape();
407
408 // Rectangle E (20, 21, 23, 22)
409 stroke(#a64724);
410 strokeWeight(1);
411 fill(#76918E);
412 beginShape();
413 vertex (298, 182.5);
414 vertex (302, 178);
415 vertex (322, 212);
416 vertex (316, 214);
417 endShape();
418
419 // Rectangle F (4, 1, 2, 3)
420 noStroke();
```

```
434 #####
435 Eiffel Tower
436 */
437
438 noStroke();
439 fill(#561F1A);
440 beginShape();
441 vertex (414, 6);
442 vertex (424, 6);
443 vertex (424, 12);
444 vertex (414, 12);
445 endShape();
446
447 noStroke();
448 fill(#561F1A);
449 beginShape();
450 vertex(403, 105);
451 vertex(433, 105);
452 vertex(434, 111);
453 vertex(403, 111);
454 endShape();
455
456 noStroke();
457 fill(#561F1A);
458 beginShape();
459 vertex (408, 111);
460 vertex (413, 111);
461 vertex (408, 139);
462 vertex (400, 139);
463 endShape();
464
465 noStroke();
466 fill(#561F1A);
467 beginShape();
468 vertex (423, 111);
```

```
475 fill(#561F1A);
476 beginShape();
477 vertex (393, 139);
478 vertex (443, 139);
479 vertex (443, 151);
480 vertex (393, 151);
481 endShape();
482
483 noStroke();
484 fill(#A12A1E);
485 beginShape();
486 vertex (393, 151);
487 vertex (371, 208);
488 vertex (395, 208);
489 vertex (397, 190);
490 vertex (401, 181);
491 vertex (406, 172);
492 vertex (418, 165);
493 vertex (430, 172);
494 vertex (435, 181);
495 vertex (437, 190);
496 vertex (440, 208);
497 vertex (469, 208);
498 vertex (469, 208);
499 vertex (443, 151);
500 endShape();
501
502 noStroke();
503 fill(#A12A1E);
504 beginShape();
505 vertex (416, 12);
506 vertex (414, 55);
507 vertex (413, 73);
508 vertex (410, 91);
509 vertex (408, 105);
510 vertex (429, 105);
511 vertex (427, 91);
512 vertex (424, 73);
513 vertex (423, 55);
514 vertex (422, 12);
515 endShape();
516
517 noStroke();
518 fill(#A6907C);
519 beginShape();
520 vertex(101, 250);
521 vertex(121, 223);
522 vertex(145, 240);
523 vertex(124,267);
524 endShape();
525
526
527 stroke(70);
528 strokeWeight(2);
529 fill(#E5EFEE);
530 ellipse (122, 245, 19, 19);
531
532 //more parthenon
533 stroke(#a64724);
534 strokeWeight(1);
535 fill(#76918E);
536 beginShape();
537 vertex(242, 214);
538 vertex(247, 210);
539 vertex(267, 243);
540 vertex(260, 246);
541 endShape();
542
543 stroke(#a64724);
544 strokeWeight(1);
544 strokeWeight(1);
545 fill(#76918E);
546 beginShape();
547 vertex(280, 192.5);
548 vertex(285, 189.5);
549 vertex(304, 222);
550 vertex(299, 225);
551 endShape();
552
553 //Eiffel Tip
554 stroke(#561F1A);
555 line(419,5, 419, 0);
556
557 //BEN
558 stroke(#000515);
559 line (195, 322, 218, 293); //1-2
560 line (218, 293, 151, 244); //2-3
561 line (195, 322, 129, 273); //1-17
562 line (151, 244, 155, 240); //3-4
563 line (155, 240, 122, 216); //4-5
564 line (122, 216, 119, 220); //5-6
565 line (119, 220, 109, 213); //6-7
566 line (109, 213, 96, 211); //7-8
567 line (96, 211, 88, 205); //8-9
568 line (88, 205, 67, 204); //9-10
569 line (67, 204, 74, 221); //10-11
570 line (74, 221, 83, 229); //11-12
571 line (83, 229, 88, 241); //12-13
572 line (88, 241, 97, 248); //13-14
573 line (97, 248, 93, 253); //14-15
574 line (93, 253, 125, 277); //15-16
575 line (125, 277, 129, 273); //16-17
576
577 line(101, 250, 121, 223);
578 line(101, 250, 124, 267);
580 line(124, 267, 145, 240);
581
582 //drawing Parthenon
583 stroke(#A64724);
584 strokeWeight(2);
585 line (237, 270, 334, 213); //1-2
586 line (334, 212, 322, 211); //2-3
587 line (322, 211, 240, 258); //3-4
588 line (240, 258, 237, 270); //4-1
589 line (213, 220, 303, 168); //9-11
590 line (303, 168, 245, 171); //11-10
591 line (245, 171, 213, 220); //10-9
592 line (220, 217, 224, 223); //7-8
593 line (224, 223, 301, 179); //8-6
594 line (301, 179, 297, 173); //6-5
595 line (297, 173, 220, 217); //5-7
596
597 //dope lines
598
599 //1-2
600 noFill();
601 stroke(#000515);
602 strokeWeight (2);
603 bezier(397, 343, 223, 326, 212, 320, 213, 308);
604
605 //3-4
606 noFill();
607 stroke(#000515);
608 strokeWeight(2);
609 bezier(402, 331, 338, 294, 308, 267, 316, 231);
610
611 //5-6
612 noFill();
613 stroke(#000515);
614 strokeWeight(2);
```

```
597 //dope lines
598
599 //1-2
600 noFill();
601 stroke(#000515);
602 strokeWeight(2);
603 bezier(397, 343, 223, 326, 212, 320, 213, 308);
604
605 //3-4
606 noFill();
607 stroke(#000515);
608 strokeWeight(2);
609 bezier(402, 331, 338, 294, 308, 267, 316, 231);
610
611 //5-6
612 noFill();
613 stroke(#000515);
614 strokeWeight(2);
615 bezier(415, 324, 401, 262, 398, 225, 414, 209);
616
617 //7-8
618 noFill();
619 stroke(#000515);
620 strokeWeight(2);
621 bezier(425, 331, 448, 273, 475, 233, 507, 236);
622
623 //9-10
624 noFill();
625 stroke(#000515);
626 strokeWeight(2);
627 bezier(435, 343, 507, 310, 572, 293, 602, 304);
628
629 stroke(#000000);
630 line(416, 370, 431, 362);
631 line(416, 370, 398, 361);
```

