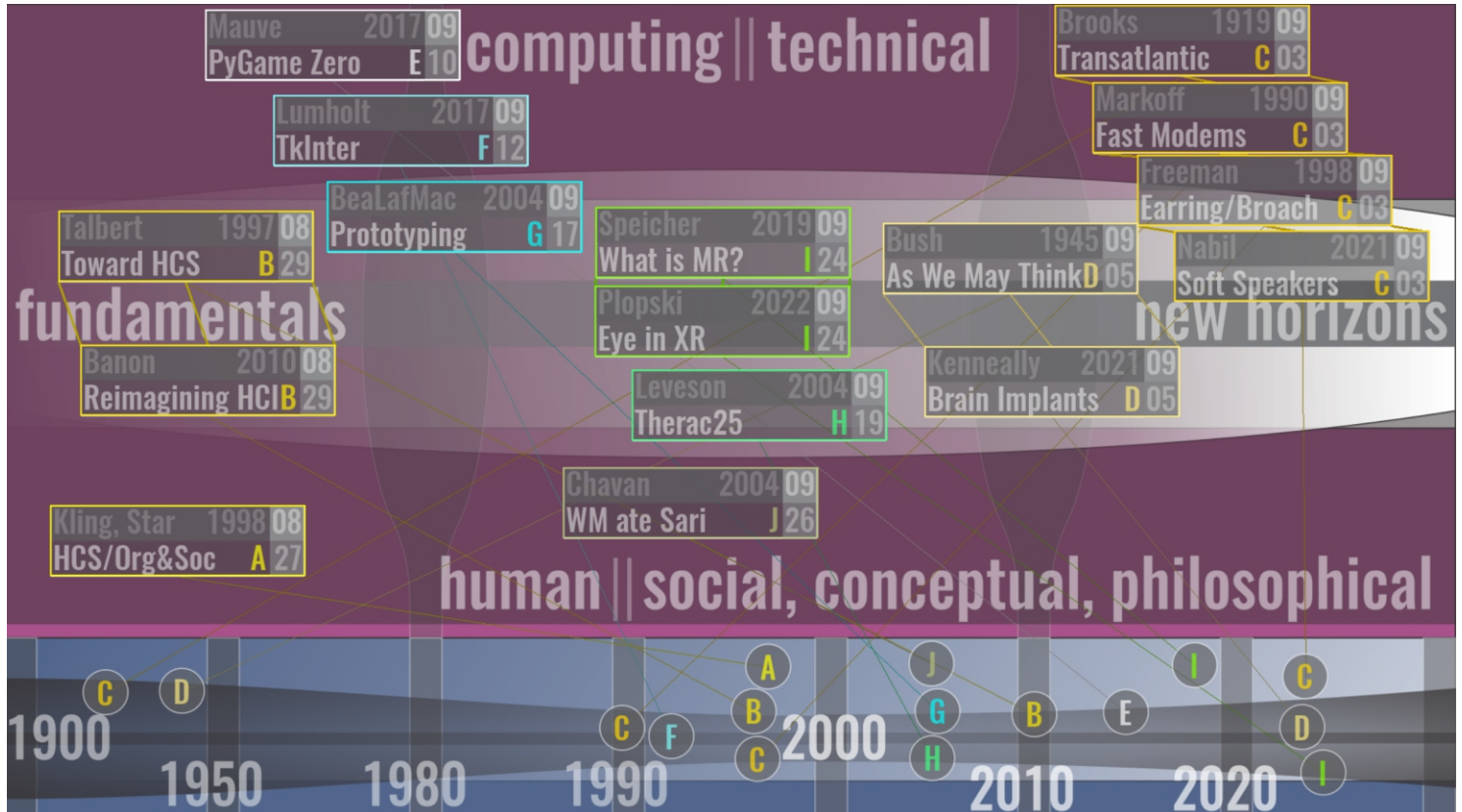


```
1: # Example parsing class reading list
2: # Brygg Ullmer, Clemson University
3: # Begun 2024-09-05
4:
5: from hccReadingsYaml import *
6:
7: WIDTH, HEIGHT = 1200, 800
8:
9: rows, cols = 6, 2
10: dx, dy = 350, 100
11:
12: y = y0 = 10
13: x = x0 = 50
14: actors = []
15:
16: readings = Readings()
17: numRd = readings.size()
18: if numRd > rows * cols: numRd = rows * cols
19:
20: row, col = 0, 0
21:
22: for i in range(numRd):
23:     a = Actor('readings_box_1c', topleft=(x, y))
24:     actors.append(a); y += dy; row += 1
25:
26:     if row >= rows:
27:         row = 0; col += 1; y = y0; x += dx
28:
29: font1 = "oswald-medium"
30: cwhite = "#ffffff"
31: cblack = "#000000"
32:
33: def draw():
34:     screen.clear()
35:     for actor in actors: actor.draw()
36:     x, y = x0, y0
37:     row, col = 0, 0
38:
39:     for i in range(numRd):
40:         r = readings.getReading(i)
41:         drawReading(r, x, y)
42:         y += dy; row += 1
43:         if row >= rows:
44:             row = 0; col += 1; y = y0; x += dx
45:
46: def on_mouse_down(pos):
47:     for i in range(len(actors)):
48:         if actors[i].collidepoint(pos): print("Actor " + str(i) + " was pressed")
49:
50: def drawReading(reading, x0, y0):
51:     au, yr, abTi, prDa = reading.getFields(['author', 'year', 'abbrevTitle', 'presentedDate'])
52:     mo, da = prDa.split('-')
53:     fs = 40
54:
55:     if type(au) is list: au2 = ', '.join(au)
56:     else:
57:         au2 = str(au)
58:     yr2 = str(yr)
59:
60:     screen.draw.text(au2, topleft = (x0+ 3, y0- 7), fontsize=fs, fontname=font1,
61:                      color=cwhite, alpha=0.2)
62:     screen.draw.text(yr2, topright = (x0+285, y0- 7), fontsize=fs, fontname=font1,
63:                      color=cwhite, alpha=0.2)
64:     screen.draw.text(abTi, topleft = (x0+ 3, y0+41), fontsize=fs, fontname=font1,
65:                      color=cwhite, alpha=0.5)
66:     screen.draw.text(mo, topright = (x0+332, y0- 7), fontsize=fs, fontname=font1,
67:                      color=cblack, alpha=0.4)
68:     screen.draw.text(da, topright = (x0+332, y0+41), fontsize=fs, fontname=font1,
69:                      color=cwhite, alpha=0.3)
```

```

1: # Example ~visualizing class readings
2: # Brygg Ullmer, Clemson University
3: # Begun 2024-09-05
4:
5: from hccReadingsPg import *
6:
7: WIDTH, HEIGHT = 1920, 1080
8:
9: rpg = ReadingsPg()
10: bg = Actor('bg01e')
11:
12: def draw(): screen.clear(); bg.draw(); rpg.draw(screen);
13: def on_mouse_down(pos): rpg.on_mouse_down(pos)
14: def on_mouse_move(rel, buttons): rpg.on_mouse_move(rel, buttons)
15: def on_mouse_up(): rpg.on_mouse_up()

```



```

1: hccReadingsPg.py:
2:   def __init__():
3:   def buildUI():
4:
5:   def getReadingGroupColor(readingGroupId, colorType):
6:   def calcReadingPosById(readingId):
7:
8:   def draw(screen):
9:   def drawLinesAmongReadingsInGroups(screen):
10:  def drawReading(screen, readingId, x0, y0):
11:  def drawTimeDotText(screen, readingId):
12:  def drawTimeDotLine(screen, readingId):
13:
14:  def getReadingGroupLetter(readingGroupNumber):
15:  def drawLineBetweenReadings(screen, readingId1, readingId2, rcolor, lwidth=1):
16:
17: 23: hccReadingsYaml.py:
18: 25: ##### Reading class
19: 26: def __init__():
20: 27: def setFieldsFromYaml(yd):
21: 28: def setField(field, val):
22: 29: def getField(field):
23: 30: def getFields(fields):
24: 31: def printReadingAbbrev():
25: 32: def print():
26:
27: 34: ##### Readings class
28: 35: def __init__():
29: 36: def size():
30: 37: def loadYaml():
31: 38: def printReadingAbbrevs():
32: 39: def getReading(i):
33: 40:

```