Sorta Awesome

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Sorta Awesome UML Diagram

Driver Class SA int rect1X, rect1Y, rect2X, rect2Y, rect3X, rect3Y int rect4X, rect4Y, rect5X, rect5Y, recW, recH; color rectColor, rect2Color, rect3Color, fillcolor; boolean Over1, Over2, Over3, Over4, Over5; int state; void setup(); void draw(); void makeText(String, int, int, int); void update(); void mouseClicked(); boolean overRect(int,int);

```
For Small Scale Visualization
                InsertionSortSmall
int [] arr;
float boxWidth, boxHeight;
int firstBox, secondBox, arrSize, i, maxPos, pass;
void setup();
void draw();
                SelectionSortSmall
int [] arr;
float boxWidth, boxHeight;
int firstBox, secondBox, arrSize, a, b, partition, i, old
boolean swapping, last
void setup();
void draw();
```

For Large Scale Visualization

rArrIS

ArrayList<Integer> count

ArrayList<Rectangles[]> order;

Rectangles[] rawr;

int[] arr;

rArrIS(Rectangles[]);

Rectangles[] dupe(Rectangles[]);

void InsertionSortV()

void draw(int)

void swap(Rectangles[], int, int)

InsertionSortLarge

int counter;

rArr rects;

int[] arr

void setup(); void draw();

void setArr();

void keyPressed();

Rectangles

float x, y, w, h;

color c;

Rectangles(float,float,float,float,color);

void draw(int,int,boolean)

float getHeight();

void setHeight(float);

Rectangles dupe();

SelectionSortLarge

int counter;

rArr rects;

int[] arr

void setup();

void draw();

void setArr();

void keyPressed();

BubbleSortLarge

int counter;

rArr rects;

int[] arr

void setup();

void draw();

void setArr();

void keyPressed();

ArrayList<Integer> count

ArrayList<Rectangles[]> order;

Rectangles[] rawr;

int[] arr;

rArrBS(Rectangles[]);

Rectangles[] dupe(Rectangles[]);

rArrBS

void BubbleSortV()

void draw(int)

void swap(Rectangles[], int, int)

ArrayList<Integer> count

ArrayList<Rectangles[]> order;

int[] arr;

Rectangles[] dupe(Rectangles[]);

void SelectionSortV()

rArrSS

Rectangles[] rawr;

rArrIS(Rectangles[]);

void draw(int)

void swap(Rectangles[], int, int)