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UML DIAGRAM

TwitterTree

boolean askQ = true;

boolean show = false;

boolean canSearch = false;

boolean canSearchp = false;

boolean startup = true;

boolean sorted = false;

boolean wannalook = false;

boolean wannado = false;

boolean limit = true;

String words = "";

String pText = "";

char letter;

+ sort()
+ draw()
+ wanndo()
+ wannalook()
+ update()
+ sort()
+ keytyped()
+ mouseClicked()
+ update(int x, int y,
ArrayList<Button> buttons)
+ queryTwitter(String search)
+ prompt(String q)
+ tweetthis(String a)

Button

public float xcor;
public float ycor;
public float wd;
public float ht;
public color col;
public String text;

+ <constructor> Button
+void update()

TreeNode

+ Status _cargo
+ TreeNode left, right, paren
+ int rt
+ int followers
+ int x,y, parentX, parentY;

TreeNode getLeft()

+ <constructor> Button
+ void update()
+ int getLFollowers()
+ int getRFollowers()
+ TreeNode getRight()
+ TreeNode getParent()
+ Status getStatus()
+ int getRT()
+ void setLeft(TreeNode
theNewLeft)
+ void setRight(TreeNode
theNewRight)
+ void setParent(TreeNode
newParent) {
+ void setValue(Status
theNewValue)

Heap

- ArrayList<TreeNode> _heap;
- int sortM = 0;
- boolean rep = false;

+ boolean isEmpty()

+ Status peekMin()

+ void insert(Status s,
int toSort, int struct)

+ void addRT(TreeNode val,
int type)

+ void setrep(int n)

+ void minAddRT
(TreeNode addVal)

+ void addFol(TreeNode
val, int type)

+ void maxAddFol(TreeNode
addVal)

+ void minAddFol(TreeNode
addVal)

Tree

TreeNode _root;
ArrayList<Status> order = r
ArrayList<TreeNode> node
int row;
int column;
int origCol;
int origRow;
int frameCount = 0;
int limit = 10;
int numPrinted = 0;
int sort;

+ void insertRT(TreeNode
stRoot, TreeNode newNode,
int col)

+ void insertF(TreeNode
stRoot, TreeNode newNode,
int col)

public void insertFav(
TreeNode stRoot, TreeNode
newNode, int col)

+ void traverse()

+ void createTree(TreeNode
currNode)

This is for our front
page! Landing page of
our whole program.