PARSER

MYSPRITESHEET CLASS

bare class that stores spritesheet texture and controls shader

constructor

Hexture CGF texture Size H number of columns (int) Size N number of lines (int) (scene) always necessary

The constructor function must:

- 1. Save data passed as arguments
- 2. Initialize shader (CGFtexture)

MYSPRITETEXT CLASS

class that uses base spritesheet class to represent string of text

constructor

(scene) always necessary text string

MYSPRITEANIM CLASS

class that uses base spritesheet class to represent animated textures

constructor

Spritesheet id or reference to Hyspeitesheet duration seconds (float)
startCell index of first sprite (int)
end (ell index of last sprite (int)

The constructor functions must:

- 1. Save data passed as arguments
- 2. Initialize base geometry (e.g. Mykactangle) and:
 - ·MySpeitesheet MySpeiteText
 - ani mation-related variables Hy

Hy Sprile Anim

UPDATE

In scene: (Reminder)

-SetUpdatePeriod() when graph finished loading -update (): function that triggers update of all animations

MYSPRITEANIM CLASS

update (wrrentTime)

- 1. Calwhate elapsed Time
- 2. Calculate which sprite cell is active >using elapsedline duration .n= of cells
- 3. Save current state and other variables index of current sprite

APPLY

MYSPRITETEXT CLASS

display ()

loop through text characters

- 1. Get character's sprite position
- 2. Activate sprite
- 3. Display base geometry

auxilial function

getCharacterPosition(char)
Return index of character sprile
in the tont spritesheet

MYSPRITEANIM CLASS

display ()

- 1. Activate sprite, using wrrent index
- 2. Display base geometry

MYSPRITESHEET CLASS

auxiliar functions

activate CellP/activate CellMN

- 1. Pass cell parameters to shader shader. Set Uniforms Values () 2. Activate shader
- Scene. Set Active Shader ()

Note: Don't forget to activate default shader when done!