ART 202

Digital Media Survey

DESIGN +
TIME +
EXPERIENCE
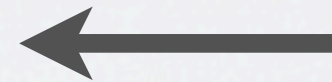
QUARTZ COMPOSER
A graphic real-time programming environment

USE ALL YOUR TOOLS

DATA TYPES

Port	Objective-C 2.0 property type	Custom port type	Objective-C class
Boolean	BOOL	QCPortTypeBoolean	NSNumber
Index	NSUInteger	QCPortTypeIndex	NSNumber
Number	double	QCPortTypeNumber	NSNumber
String	NSString *	QCPortTypeString	NSString
Color	CGColorRef	QCPortTypeColor	CGColorRef
Structure	NSDictionary *	QCPortTypeStructure	NSDictionary
Image (input)	id<QCPlugInInputImageSource>	QCPortTypeImage	(id)<QCPlugInInputImageSource>
Image (output)	id <QCPlugInOutputImageProvider>	QCPortTypeImage	(id)<QCPlugInOutputImageProvider>

DATA = INFORMATION

input Data
transform Data
output Data

BOOLEAN
TRUE or FALSE
1 or 0

INDEX

A a positive whole number 0,1,2,3,4,5,etc.

NUMBER

A positive or negative number with decimal values (floating point)

STRING

A string is used to send text from one patch to another

IMAGE

Send an image from one location to another. This image can be a picture or a movie.

STRUCTURE

A structure is a group of numbers. Think of it like a table or an outline.
Also called an "array."

COLOR
A type of structure.
{ R G B A }

SPACE

In Quartz Composer screen space can be measured in "units" or "pixels"