

# Modularity

building with modules

designing with modules,  
a standardized module, or part of a system, that can be re-used to build a whole

# A Module

a standardized part that can be re-used and composed  
to build a larger system

each individual module, or instance of a module  
can vary slightly

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In Architecture



<http://www.residentialshippingcontainerprimer.com/Puma%20Flexible%20Container%20Retail>



each shipping container, is a module, that can be re-used, but also adapted. Each instance, each individual changes slightly.

In Industrial Design



A single set of components can be used to make cubicles of varying sizes, connections between adjacent cubicles, lines and arrangements of connected cubicles of any size.

the modules are composed to create the whole. the office

<http://strongproject.com/static/media/item-32254L.jpg>

In Art





Jen Lewin  
Modular lilly pads  
each one is identical

In Jen Lewin's The Pool, users must exert the physical effort of walking or running over a pool of digital lily-pads. Since each Lilly-Pad operates independently, the system doesn't really explicitly promote interaction between participants.

I realized that it wasn't just physical challenge I desired in my projects, but more importantly, intellectual challenge.

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reference:

video by AdinaOnLine

Here is The Pool at Vivid festival in Sydney last year, marketed as a "play ground"

In Toys



LEGOs  
the modular building block  
modular construction

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reference

Overly long video of my brilliant adorable children playing with Legos.  
<https://www.youtube.com/watch?v=zJ-zdogOctw>

In Programming

## Units of Organization

Functions (methods, subroutine, procedure)

Object (class, prototype)

Files (tabs, modules, packages)

Library (framework)