

10.2 Encapsulation

Complexity

When building large programs, our enemy is complexity.

Some tools for managing complexity:

- Hierarchical abstraction.
 - Create layers of abstraction, with clear abstraction barriers!
- "Design for change" (D. Parnas)
 - Organize program around objects.
 - Let objects decide how things are done.
 - Hide information others don't need.

Managing complexity is super important for large projects!

Modules and Encapsulation

Module: A set of methods that work together as a whole to perform some task or set of related tasks. A module is said to be **encapsulated** if its implementation is completely hidden, and it can be accessed only through a documented interface.

[Previous](#)[10.1 Implementation Inheritance: Extends](#)[Next](#)[10.3 Casting](#)

Last updated 7 months ago

