

Efficiency!

- 1) Programming Cost
- 2) Execution Cost

Encapsulation:

- Module \rightarrow work together to perform some task.
- Encapsulated \rightarrow A module is encapsulated if implementation is hidden.
 \rightarrow can only be accessed through a documented interface.

ADTs:

- 1) List: ordered collection of elements
- 2) Set: unordered collection of unique elements
- 3) Map: key-value pairs.
- 4) Stacks: Last in, first out
- 5) Queue: First in, first out
- 6) Dequeue: Both Lifo, Fifo.
- 7) Priority Queue: Similar to a queue, each element has a priority which determines the order you get items in.