



Using an extra level of indirection

o (a pointer to a structure with a pointer)

implies that we write the list code once

o (all lists look the same to the code!)

but use requires more memory accesses.\*

\*Also note that some container properties may be affected.
Removal from a doubly-linked list built in this way is not fast if one has only a "thing" pointer, for example.

Simpler Code Can be Achieved in Another Way There is another option: • to write the list code once, • the next field must point to a list element structure, • but that structure may be part of a larger structure. head→ next + next next thing thing thing slide 8 ECE 220: Computer Systems & Programming © 2018 Steven S. Lumetta. All rights reserved.

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