Educational Materials to Assist in Instruction of Information Hiding Basics

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Abstract

Information hiding is an essential, often misunderstood, topic of any undergraduate software engineering course. To assist in the instruction of information hiding basics, we created the following high-quality educational materials.

1 Verbal Notes for the Instructor

Please recite these notes verbatim. Maintaining close accordance to the melody of Depeche Mode's "Policy of Truth" will increase the quantity of learning.

... you had something to hide
should have hidden it, shouldn't you
now you're not satisfied
with the code you're being put through.

it's just time to pay the price
for not heeding Vibha's advice
and writing code that's strange
you didn't plan for ease of change.

design could be so different now
it used to be modularized
you will always wonder how
it could have been if you'd planned for change.

it's too late to change events
hardcoded as you implement
so nothing's abstracted away
you didn't plan for ease of change.

"Parnas is right!"
is what you swore the time before
"Parnas is right!"
is what you swore the time before.

crappy code can't be justified
here's a lesson you must retain:
hide what you have to hide
so you can change what you have to change.

you'll see your bug counts mul-ti-plied
if you continually decide
to code everything in `main()`
and never plan for ease of change...

"Parnas is right!"
is what you swore the time before
"Parnas is right!"
is what you swore the time before

2 Classroom Materials

The following classroom supplies are required to complete the educational experience:

- guitar (2)
- bass
- tambourine

3 Pronunciation Guide

We provide the following pronunciation guide to further increase the amount of learning possible with our technique.

Spelling	Pronunciation
been	bean
before	befoar
can't	Kant
hard	hahd
have	haaf
modularized	modyularized
swore	swoar
wonder	wunduh