

Review report

Review object (topic): Topic 15
Version: July 30, 2003
Reviewer: Zoran Putnik
Date: September, 2003

1. General remarks and general impression concerning the state of the review object

Topic is biiiiig, and I had much less time to present it than it's supposed to be presented to the students. So, I'm not sure about general impression. I think it's nicely written, but I'm also sure that it asks for a lot of time to be presented properly.

2. Contents errors and misspellings in the slides

In Slide 19 it's written "checklist", in Slides 20 and 21 it's "check list". One of those is wrong.

In Slide 21, as a "reasonable size" of a subsystem, it's said that it should be "ONE A4 PAGE". Of what? Of code? With margins of what size? With font of what size?

Slide 26 says "struktured" instead of "structured" design.

Slide 31 lists "internationalization" as a non-functional requirement. Yet, this is just a part of Slide 29, where it has been written as "localization".

Slides 41 and 42 talk about "layered architectures" explaining different kinds. In Slide 41, LINEAR kind is defined as the one with the access ONLY to the next lower. As an example of the kind, in Slide 42 (A,B) is mentioned, but A has connection not ONLY to B, but to C also. I'm not sure that I'm right, but it's not clear, it asks for some explanation, I think.

3. Physical errors in the slides

At Slide 17, as an explanation of competition between coupling and cohesion, it's claimed that there's "no coupling between several tasks in one component". Still, in Slide 15, coupling is defined as a characteristics of elements BETWEEN components. So, if we have ONE component, we CAN'T talk about coupling.

Slide 31 defines "scalability" as: "different platforms possible". That's wrong, it should be something like "resizing of a software and number of possible users possible", just as it's been said at Slide 54.

Slide 34 has the similar problem, again it mentions "scalability" with the wrong definition.

5. Additional suggestions for improvements and and extentions

Slides 4 and 5 are concerned with motivation. Among BIG projects: DaimlerChrysler as big industrial, Robocup as big academical, and XCTL as big "our" project, comes "student who thinks that something is ...". Compared to the first 3, this last motiv is weak. I think that the first three are enough.

As suggested in lecture notes, I agree that Slide 34 should be just an explanation of Slide 31, and so it shouldn't be shown as a separate slide.

It's suggested in LN for Slide 59 that two slides may be removed from the lecture. I think that in that case, the explanation for the third kind would differ too much from the explanations for the first two, so I suggest to leave them as a part of a lecture.

6. Lecture notes for particular slides:

At Slide 10, LN says that we should notice that "the heart of the compiler is parser". Why we should notice that? In the rest of the topic, we are concerned with the scanner. It's mentioned in several slides, it's discussed, it's used for explanations. NO MORE words about parser. So, why notice?

Slide 23, instead of DFD as data-flow-diagram, it's written DAD.

Slide 24 there are spelling errors in LN. There's "fnctional" instead of "functional" and "... are maked of..." instead of "... are made of ...".

Slide 36 has a spelling error, it says "ist" instead of "its".

(e.g.slide3: LN adequate, missing, should be extended, too long)

--- meta question: -----

8. Deviations from the style guides

Slide 4, no fullstop, next line starts with capital letter.

Slide 35 has SOME fullstops, doesn't have some. Same for Slide 58.