W12 Apr 01 (D1) Double roof model views

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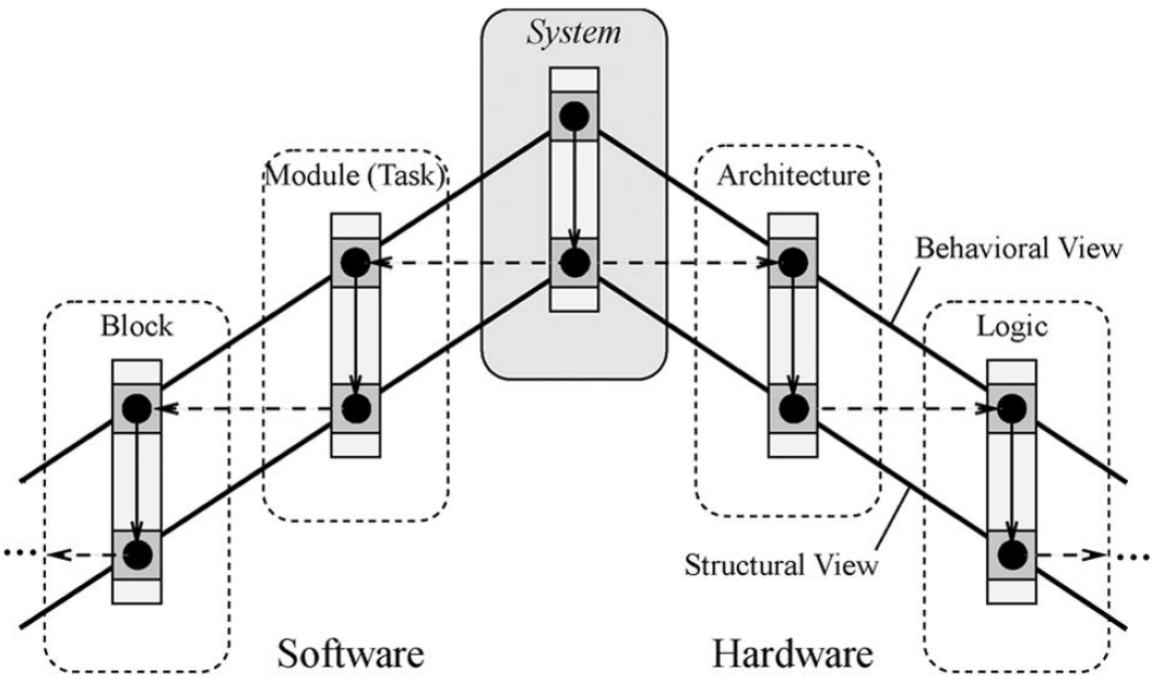
All Sections

These questions are presented under the following assumptions:

- They may be selected to be part of the final exam
- Responses must be posted by the students (not me)
- I will call your attention to any mistakes or wrong content posted in response

N.B.: This question follows Jürgen Teich's "**Hardware/Software Codesign: The Past, the Present, and Predicting the Future** ", *Proceedings of the IEEE*, Vol. 100, May 13th, 2012.

Consider the double roof model illustrated below – "the two shown roofs describe the typical two views a developer encounters when designing a complex hardware/software system".



1. Name the two views cited above, and provide a brief explanation of each one of them.
2. Briefly relate the codesign work flow to the successive synthesis refinement steps represented in this double roof model.

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