Week 2 Interactive Assignment

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**9.1. Is it possible to begin coding immediately after a requirements model has been created? Explain your answer and then argue the counterpoint.**

With object-oriented development, it is possible to begin coding immediately after creating a requirements model. Some functions of the code that will be involved will be developed will be generic enough that work can begin, such as the code that initializes cameras in the Safe Home examples from the textbook (Pressman & Maxim, 2015). Other implementation functions may not yet be ready to code due to a variety of reasons, including specific customer requirements or dependency on other systems.

**9.3. What is the purpose of domain analysis? How is it related to the concept of require-ments patterns?**

Pressman and Maxim state “Software domain analysis is the identification, analysis, and specification of common requirements from a specific application domain, typically for reuse on multiple projects within that application domain.” Because software domain analysis finds or creates those classes to be reusable, patterns emerge from the use of those classes in other applications in the same domain space.

**9.4. Is it possible to develop an effective analysis model without developing all four ele-ments shown in Figure 9.3? Explain.**

While it is possible to develop an effective analysis model without developing all four elements in figure 9.3, it is easier and more efficient to identify the relationships and possible problems by doing so. Each of the four elements looks at the design from a different view, thus missing something from one angle might be spotted from another.

**References**

Pressman, R. S., & Maxim, B. R. (2015). [*Software engineering: A practitioner's approach*](https://ashford.instructure.com/courses/81372/modules/items/4111209) (8th ed.). Retrieved from https://www.vitalsource.com