# Dilbert meets Fred Brooks ☺



© Scott Adams, Inc./Dist. by UFS, Inc.

# Study Questions  - Mismatch

⊃ **What is Brooks advice in Buy not Build – what does that mean today?**

⊃ **What are problems encountered when you buy components?  What is the major or most important impediment?**

⊃ **What kind of system did Garlan want to build?  What components did want to use?  How long did he expect vs how long did it take?**

⊃ **What are the components and connectors?**

⊃ **What problems did he have?  what are the main characterizations/categories of these problems?  Details?**

⊃ **What are ways to solve these problems?  How well do you expect them to work?**

# Study Questions - Linux

➲ **What are pervasive problems wrt documentation?**

➲ **What is Linux?  Why is lack of documentation a problem?**

➲ **What are the two distinctions made about architecture? Why are they important? How do they relate to the Perry/Wolf approach?**

➲ **Why wasn't existing documentation a problem?  What are the major components in the architecture?  How are they related?**

➲ **Is the file system structured?  What is the patter used to design and implement it?  What is the benefit of using that pattern?  Why is it important?**

➲ **How did they recreate the actual architecture?  What techniques and tools?  How is this different from the ideal architecture?  What problems does it have?**

# Study Questions - Supplemental

➷ **What kinds of benefits can be gained from taking a product line architecture approach? What are the needed components and processes for a product line?**

➷ **Revisit styles.  What are the constraints needed to indicate a strict layering style?**

➷ **There are two primary dimensions we can use to determine the organization of an architecture: functions and objects.  How do you decide?  What are the benefits are there to each approach?**

➷ **What are the different things one can do with connectors?  What benefits do each of these different uses have?**

➷ **There is dynamic as well as static architecture evolution?  What is dynamic evolution?  What are its benefits (this is a thought question)?**