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Quality Management of Software and Systems
(WS 11/12)

Problem Set 3

Wednesday, December 7th, 2011

If you encounter any problems, please feel free to ask.

Problem 1:   V-Modell XT

a) What is the V-model XT? (Explain it in your own words)

b) What are the goals of the V-model XT?

c) The company "Truck Corp." will purchase a new information system to get a better over-view of the actual positions of their trucks. After cost estimation and a risk assessment the project, named "DRIVE", was approved. The company uses the V-model XT to handle such projects. Which steps have to be executed related to the V-model XT from the view of the "Truck Corp." organization (client)?
For your help remember in the execution strategy for clients in the V-model.

d) Please give an overview of the documents (output products of the model steps) which should be produced by the project team of "DRIVE" during the project life cycle. Make a Relation between the documents and the V-model steps.

Problem 2: Extreme Programming

a) Give a briefly overview of XP.

b) What are the advantages and disadvantages of XP?

Problem 3: CMM

a) What's the purpose of CMM?

b) Give an overview of the CMM levels and the meanings behind?

c) How is a CMM level structured?

d) Work out a questionnaire for the KPA (Key Performance Area) "Software Project Planning" of maturity level 2?