

Homework 6

6.1. [20 points] Consider the soft goals

- Take products to market quickly
- Create products efficiently

Apply the Goals-Activities-Metrics approach to create an action plan, where the actions result in progress toward achieving the goals.

- a) Show the questions you used to elaborate the goals. Be sure to consider alternatives during goal elaboration.
- b) Show the resulting goal hierarchy. Distinguish between and-nodes and or-nodes.
- c) Does any goal contribute to a goal in another subtree? Are there any conflicting goals?
- d) Associate metrics with each goal in the hierarchy.
- e) Create an action plan based on your hierarchy.
- f) Assess the effectiveness of the action plan derived using this approach. In your opinion, will the action plan achieve the initial soft goals? Explain your answer.

6.2. [20 [points] The following are among the top-rated questions from a 2014 study of questions related to software development.

1. How effective are the code reviews prior to code check-in?
2. What parts of a software product are most used and/or loved by customers?
3. How can we improve collaboration and sharing between teams?
4. What is the impact of tools on productivity?

For each question

- a) Identify higher-level goals related to the questions.
- b) Refine the higher-level goal to come up with actions. Show your work.
- c) Associate metrics with each goal.