



Assignment 2

Conflict Management

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I. Task

Individual Tasks

- Read the mandatory items in the reading list
- Be prepared to answer the questions given below in class

Group Tasks

- Prepare a 15 minutes presentation (5-10 slides) on the theme assigned to your course group.
- Browse/read additional papers and/or web pages where necessary.
- In the case study presented in RE-I, identify 5 requirements conflicts between Hans and Wilhelm Wurst and document these conflicts. Furthermore, assess whether the technique associated to your theme is suitable to handle these conflicts and explain why. If this technique is suitable, describe how it can be used to handle these conflicts. Finally, report on your experience in your presentation (artifacts, difficulties and opportunities).

II. Reading List

Mandatory reading

[Carlshamre 2001] identifies various kinds of interactions among requirements while [Robinson 2003 p. 132-159] surveys techniques for managing these interactions. [Grünbacher 2005] presents an overview about negotiation research.

Theme-specific reading

[Easterbrook 1996], [Sabetzadeh 2006]: Requirements engineering with viewpoints
[Dardenne 1993], [Lamsweerde 1998]: Conflict management with goal oriented RE
[Fricker 2010a], [Fricker 2010b]: Dialogue between customer and supplier

III. Questions

- What are the main kinds of interactions among requirements?
- What are the main activities involved in the requirements interaction management (RIM)?
- What are the important phases in the evolution of the RIM field? Which other research fields has influenced it?
- Beyond the identification and resolution of conflicts, what are the benefits of requirements negotiation?
- What are the main dimensions of requirements negotiation?

IV. Themes for Presentation

Themes will be assigned by the assistant who tutors this course; your group can apply for a theme.

A. Requirements Engineering with Viewpoints

What is a viewpoint, what is it made of? How can viewpoints help in managing conflicts?

B. Conflict Management with Goal Oriented Requirements Engineering

What is KAOS? How can goal models help in managing conflicts?

C. Dialogue between Customer and Supplier

What is an implementation proposal? What are the benefits of using them?

References

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