
Conflict Management

— Requirements engineering 2 —
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Agenda

- Introduction to conflict management
- Easterbrook & Nuseibeh: ViewPoints
- Sabetzadeh & Easterbrook: View merging
- Questions

Conflict management: Introduction

- Limiting negative aspects
- Increasing positive aspects
- Improve learning and group outcomes

Easterbrook & Nuseibeh: Inconsistency

Evolutionary process

Problems with software development

Mistakes

Misunderstandings

Lack of information

Inconsistency

Delay

Easterbrook & Nuseibeh: ViewPoints

Framework: ViewPoint

- Divides specifications

- Checking consistency rules

Every ViewPoint has slots

- Representation style

- Domain

- etc

ViewPoints in making and receiving a call

A (owner=Anne; domain=telephone/calling)

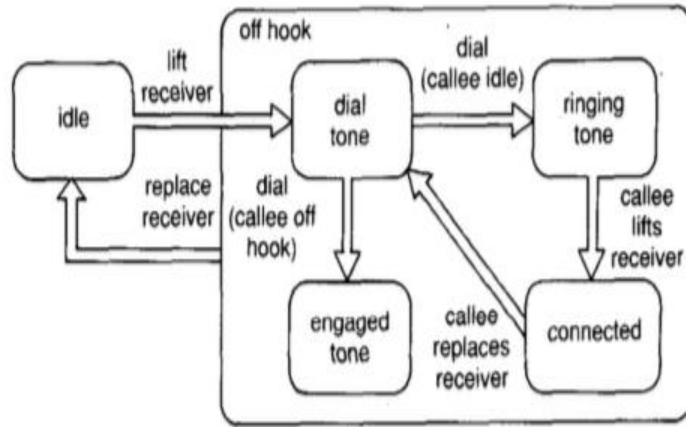


Fig. 1 Anne's initial ViewPoint specification for making a call

B (owner=Bob; domain=telephone/incoming call)

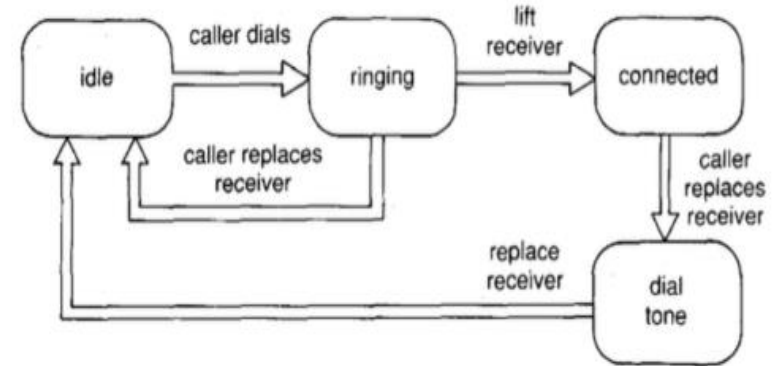


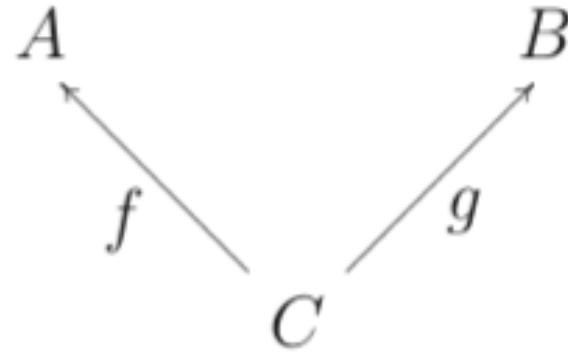
Fig. 2 Bob's initial ViewPoint specification for receiving a call

Easterbrook & Sabetzadeh: View Merging

- Key problem
- Set of views:
 - Gain perspective
 - Understand interactions
 - Perform end-to-end analysis
- Model management: Operators of Views
 - Match

Easterbrook & Sabetzadeh: Interconnection diagram

- Interconnection diagram
- Shows the relationship



Source: *View merging in the presence of incompleteness and inconsistency*, page 177



Discussion

- For what occasions it is better to use View merging and View Points?