Requirements Elicitation

Requirements Engineering

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Learning Objectives

By the end of this video, you will be able to
• Explain what is requirements elicitation.
• Name the main information to be elicited during requirements elicitation.
• Name the three main sources to elicit requirements.
• Explain main elicitation techniques.
Definition of Requirements Elicitation

- A process of
  - **Discovering** stakeholder expectations
  - **Adjusting** these expectations

(Nuseibeh & Easterbrook, 2000)
What to Elicit

• Identify **Boundaries**
  • What problem needs to be solved?

• Understand **Context**
  • Where is the problem?

• Identify **Stakeholders**
  • Whose problem is it?

• Identify the stakeholders’ **Goals**
  • Why does it need solving?

• Collect **Tasks (use case, scenarios)**
  • How might a software system help?

• Identify **Feasibility** and **Risk**
  • What might prevent us solving it?

(Nuseibeh & Easterbrook, 2000)
Where to Elicit

(Nuseibeh & Easterbrook, 2000)

Stakeholders

Application Domains

Existing Documentations
Elicitation Techniques

(Nuseibeh & Easterbrook, 2000)

• **Traditional techniques**
  • Questionnaires, surveys, interviews, analysis of existing documentation, etc.

• **Group elicitation techniques**
  • Brainstorming, focus groups, RAD/JAD workshops, etc.

• **Prototyping**
  • Early feedback gathering from stakeholders

• **Model-driven techniques**
  • Goal-based, use case/scenario-based, etc.

• **Cognitive techniques**
  • Protocol analysis, card sorting, etc.

• **Contextual techniques**
  • Ethnography, conversation analysis, etc.
References

The End