SWEN90009 Software Requirements Analysis

Workshop2 Inception

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1. Workshop questions

Q1: What is requirements engineering? What are the seven major phases of requirements engineering?

Software Engineering

- Software engineering is the application of systematic disciplined and quantifiable engineering approaches to the development of software.

Requirements engineering

- Requirements engineering is the process of understanding and defining what services are required and identifying the constraints on these services.

Requirements Engineering → Technical Implementation/ Development

Software engineers ||
system engineers ||
"analysts"

Q1: What is requirements engineering? What are the seven major phases of requirements engineering?

Inception → Elicitation → Elaboration → Negotiation → Specification → Validation → Management
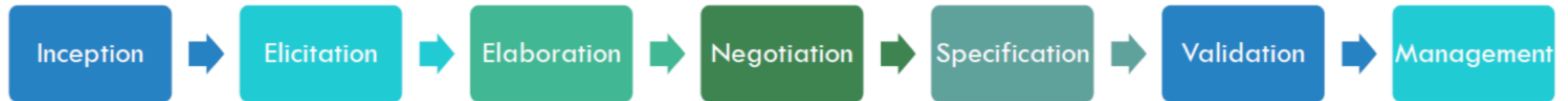
Q2: Briefly describe what tasks are performed in inception.

✓ Schedule the initial meeting

✓ Identify the key stakeholders and the benefit of a successful implementation

✓ Gain a better understanding of the problem

✓ Understand the nature of the solution that is desired

Q3: Interviews are generally considered as a primary technique for requirements elicitation. Briefly describe the steps involved in administering an interview for requirements elicitation.

1. Come prepared to the interview so that you can focus on the right issue for that interviewee at the right time. Do your background research to understand business domain jargon.

2. Find an appropriate trick to break the ice

3. Ask permission to record

4. Introduce context and motivation

5. Ask easy questions first

6. Do appear as a partner at all times

7. Be focused and keep open-ended questions for the end.

8. Be open-minded. Be ready to follow another course of action from interesting, unexpected answers.

9. Ask why questions about decisions already made, about pre-established 'solutions' or any other questionable aspect without appearing to offend.

2. Work on your project

Tasks to be performed:

1. Identify a list of stakeholders (5 minutes)
2. What are the problems to be addressed? (10 minutes)
3. Prepare an agenda for the meeting (10 minutes)
4. Prepare a few questions for the meeting (25 minutes)

In general, you should

- review the interview guidelines from the lecture
- spend time to prepare for the interview
- conduct the interview
- discuss about what did go well, what didn't and what the observers thought about the interactions

Additional resources (scripts, checklists and others) can found here:
http://sensible.com/downloads-rsme.html