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软件工程

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3.2

How to Achieve Requirements?

How to Achieve Requirements?

- *No romantic*

---- *It is very realistic.*

- *Steps:*

1. Preparation
2. Requirements elicitation & recording & analysis
3. Requirements documentation
4. Requirements confirmation

How to Achieve Requirements?

1. Preparation :

3 steps:

- (1) What to elicit/capture
- (2) The ways to do?
- (3) When, where and who

How to Achieve Requirements?

1. Preparation

- **What to elicit/capture?**
 - **Topic**
 - **Analyst should draft Questionnaire**
 - **Normally, the user is impatient to describe.
It will be better to make the user choose or judge.**



How to Achieve Requirements?

1. Preparation

- **The ways to do?**
 - **Interview users**
 - **Questionnaires**
 - **Forms analysis**
 - **Video cameras**
 - **Scenarios**

How to Achieve Requirements?

1. Preparation

■ The ways to do?

- Rapid prototyping
- Interview experts
- Analyze existing similar product
- Elicit rqmt. from domain standards & rules
- Search material from Internet

How to Achieve Requirements?

1. Preparation :

- Requirement analyst contacts interviewee to determine
 - Time
 - Location
 - Individuals

How to Achieve Requirements?

2. Requirements

---- elicit & record & analyze

《Requirements Info. Record Table》



How to Achieve Requirements?

3. Requirements Documentation

《 Requirements Documentation 》

How to Achieve Requirements?

- Two types of requirements:
 - **Functional**: relate to the functionality of the target software directly
 - **Nonfunctional**: properties of the target software, such as reliability and maintainability, or relate to the environment in which the software will run.

How to Achieve Requirements?

4. Requirements Confirmation

Both the clients and users sign the requirements documentation.