Review Reports:
a Means to Collect
Experience and Feedback

Joint Course on Software Engineering

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The task of reviews

- General technique to assess the state of software

  Review: A process or meeting during which a work product … is presented to project personnel, managers, users, customers, or other interested parties for comment or approval. Types include code review, design review, formal qualification review, requirements review, test readiness review (IEEE Std. 610.12-1990).

Reviews in our project

Course materials

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We ☺

Work product: course materials

Work product: all parts of the course materials

Participants	Topics	Syllabus
Schedule	Slides (ppt, pdf)	Assignments
Basic Principles	Documents	Case studies
F.A.Q.	Discussion	Literature

Main part:
5 Parts, 27 Topics,
1400 Slides

Review report form (1)

Review report

Review object:	(e.g. topic03.ppt)
Version:	(e.g. Mar.23,2003)
Reviewer(s):	(e.g. K. Zdravkova)
Date:	(e.g. May.23,2003)

1. General remarks and general impression concerning the state of the review object (e. g. too many textual slides - should be replaced by figures)

2. Contents errors and misspellings in the slides (e.g. wrong contents)

3. Physical errors in the slides (e.g. the order of animated parts)

4. Slides with a bad style and suggestions for improvements (e.g. too much contents, too textual)

Review report form (2)

5. Deviations from the style guides
   (e.g. slide 3: question to students not in a cloud)

6. Additional suggestions for improvements and extentions of the review object

7. Lecture notes for particular slides:
   (e.g.slide3: LN adequate, missing, should be extended, too long)

8. Experience report from a lecture:
   - conveniences and inconveniences
   - involvement of students (by questions)

9. Experience with the translation into the native language

10. Suggestions to improve the review report form

Review object: a topic of a certain version as a whole (topic = semantic unit)

3. Process models
- a) Why process models?
- b) Overview of existing models
- c) Classical and iterative phase model (waterfall model)
- d) Alternative phases in phase models
- e) Prototyping
- f) Spiral model

Topic 3
Software process models

DAAD Project
"Joint Course on Software Engineering"

Process models: used terminology
- Software process models
- Phase models
- Life cycle models
- Software development models
- Project models

(Note: terms are similar, but with differences; e.g. life cycle model: development and maintenance, software development model: without maintenance)

Why process models ?
"SE is the application of a *systematic, disciplined, quantifiable approach to the development, operation, and maintenance of software ...*"
(IEEE Standard Glossary of Software Engineering Terminology, 1990)

→ Definition of the term SE requires studying models for systematic software development (main objective of SE)!

1. General impresssion of the whole topic

6. Suggestions for improvements

+

New slides (ppt)

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Review of single slides

2. Contents errors (including misspellings)?

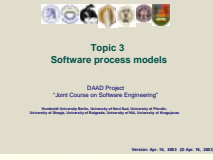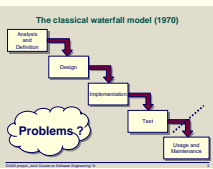3. Physical errors (animation, place of slide elements)?

The classical waterfall model (1970)

Analysis and Definition

Design

Implementation

Test

Usage and Maintenance

Problems ?

4. General assessment of the slide style

5. Deviations from the style guides?

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Review of the lecture notes

1	Topic 3 Software process models — DAAD Project "Joint Course on Software Engineering" — Humboldt University Berlin, University of Novi Sad, University of Plovdiv, University of Skopje, University of Belgrade, University of Niš, University of Kragujevac — Version: Apr. 16, 2003 (O Apr. 16, 2003)	**Topic 3: Lecture Notes** (instructions for the lecturer) **Author of the topic: …** **English version: ...** **Author of the lecture notes: …** **About the subject of this topic: …** **To do: …** **Slides that could be improved and replaced: …** **Duration of the lecture: …** **History of changes: …**
2	The classical waterfall model (1970) — Analysis and Definition → Design → Implementation → Test → Usage and Maintenance — Problems..? — DAAD project "Joint Course on Software Engineering" ©	**Contents: …** **Methodology: …** **Remarks: …** **Answer to the question ‚Problems?': …**

> 7. Lecture notes: adequate, missing, too long … ?

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Review report form (1)

> Points 1-5: assess the current state of the document

Review report

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Date: (e.g. May.23,2003)

> Point 1: the whole topic

1. General remarks and general impression concerning the state of the review object (e. g. too many textual slides - should be replaced by figures)

2. Contents errors and misspellings in the slides (e.g. wrong contents)

3. Physical errors in the slides (e.g. the order of animated parts)

4. Slides with a bad style and suggestions for improvements (e.g. too much contents, too textual)

> Points 2-5: contents of particular slides

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Review report form (2)

5. Deviations from the style guides
   (e.g. slide 3: question to students not in a cloud)

> Compare with document „Slide style guides"

6. Additional suggestions for improvements and extentions of the review object

> Are the instructions for the lecturer adequate?

7. Lecture notes for particular slides:
   (e.g.slide3: LN adequate, missing, should be extended, too long)

- -

8. Experience report from a lecture:
   - conveniences and inconveniences
   - involvement of students (by questions)

> Requirement: lecture has been held

> Translation to national languages

9. Experience with the translation into the native language

10. Suggestions to improve the review report form

> Metaquestion

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Review reports:
the purpose in our project

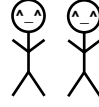Involved persons with an opinion to the lecture material

lecture notes provider
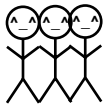
translator

original developer

Topic 5

modifiers

lecturers

students

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Review reports:
the purpose in our project

Involved persons with an opinion to the lecture material

lecture notes provider

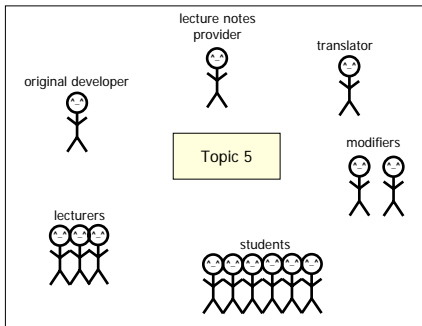translator

original developer

Topic 5

modifiers

lecturers

students

Main purposes:

1. Collect information on the current state of a review object from different persons

2. Draw conclusions:

   • evaluate the review reports

   • modify and extend the material

→ Discussion forum

→ Version management

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