Quality Management and Improvement

Joint Project – Deliverable 1 To design a quality plan

Mandatorvi

2020/21

Juan Enrique Garrido Navarro juanenrique.garrido@udl.cat



Introduction

• **Objective ->** *To design a quality plan.*



Introduction

- Objective -> To design a quality plan.
- Domain:
 - <u>Joint Project</u> developed together with other subjects in the 3rd course of the "Software Engineering" specialization:
 - » Quality Management
 - » Process Models
 - » Requirements Engineering



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Software quality management and improvement.



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In team (2 groups)



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- Submission:
 - » Virtual Campus -> document
 - » Oral presentation



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English!



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27th April 2021 11:10

English!

Oral presentation

27^h April 2021 11:10 13:00

English



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BOOKIERNES S.A.



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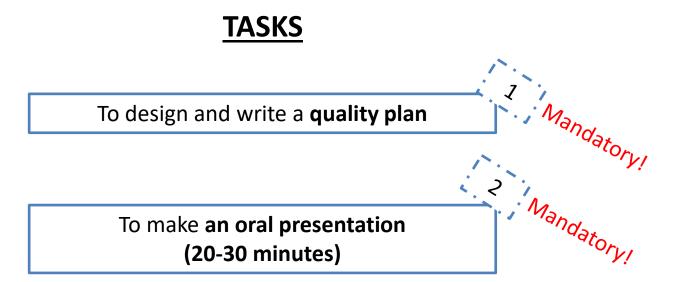
BOOKIERNES S.A.

System to manage the process of editing books



Introduction

Objective -> To design a quality plan.





Introduction

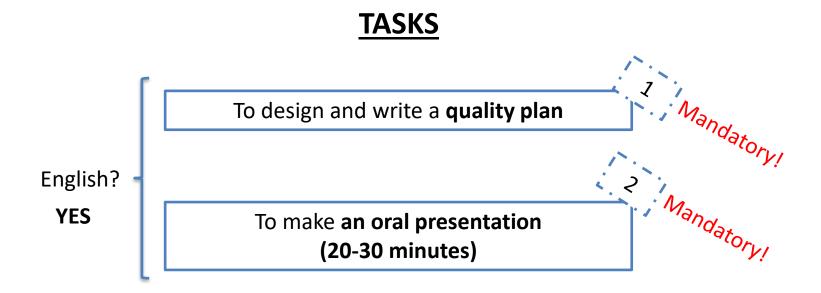
Objective -> To design a quality plan.

To design and write a quality plan To make an oral presentation (20-30 minutes)



Introduction

Objective -> To design a quality plan.





Guidelines - Suggestions

QUALITY PLAN

[Galin, 2004]

List of quality goals

The quality goals should reflect the major acceptance criteria indicated in the customer's requirement document. As such, quality goals serve as measures of the successful achievement of the customer's quality requirements.



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QUALITY PLAN

[Galin, 2004]

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Qualitative and quantitative. Preferred?



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QUALITY PLAN

[Galin, 2004]

List of quality goals

Quantitative measures are usually preferred to | qualitative measures when choosing quality goals.

Why?

Quantitative measures provide the team with more objective assessments of software performance during the process.

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List of quality goals

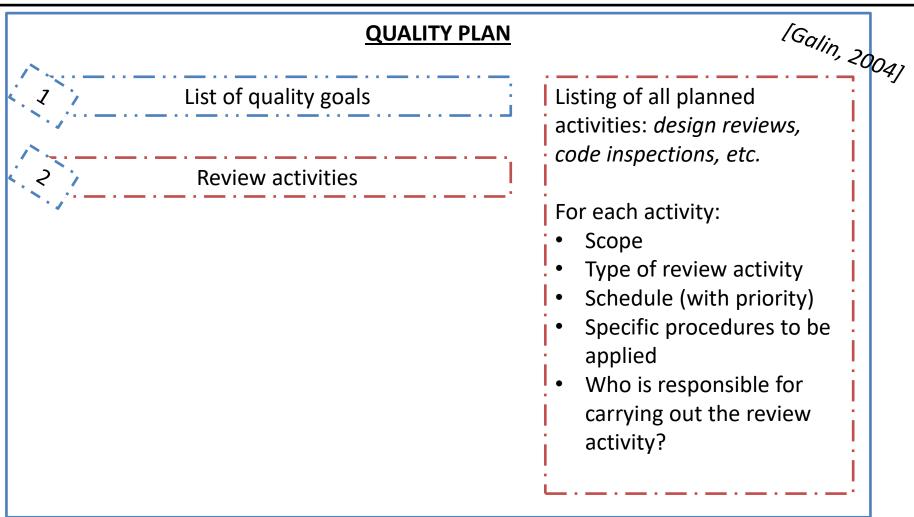
Qualitative and quantitative.

Preferred?

Qualitative			Quantitative
The system should be very reliable			The availability should exceed 99.5%. The downtime should not exceed 30 minutes per week
The system continuously	should	operate	The system's recovery time should not exceed 10 minutes in 99% of cases of failure

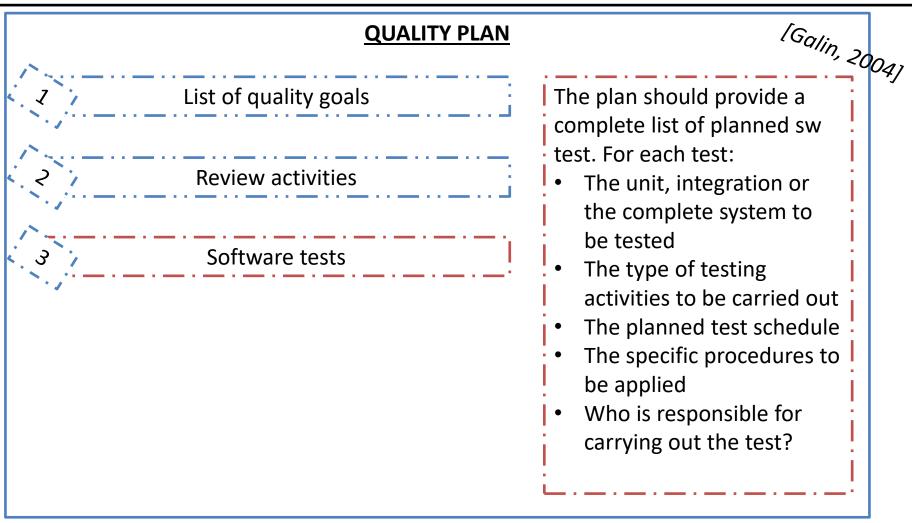


Guidelines - Suggestions





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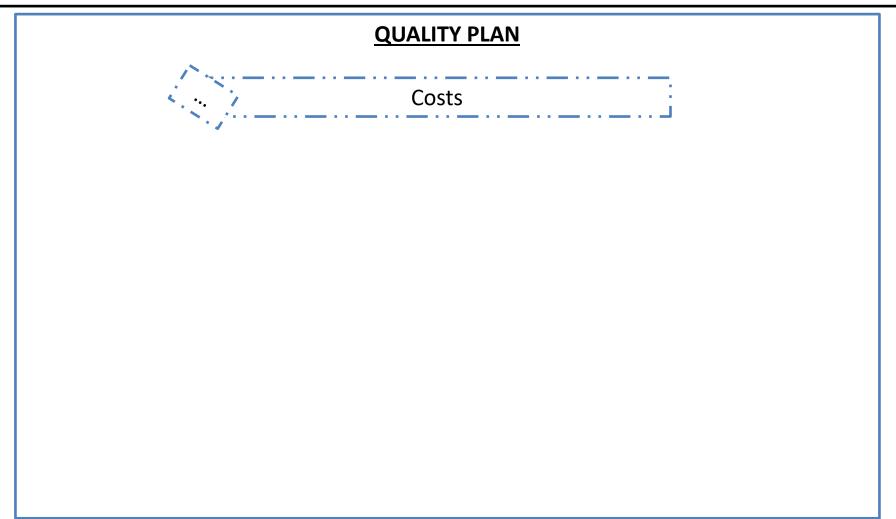


Guidelines - Suggestions





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Guidelines - Suggestions

QUALITY PLAN



In some cases . . . checklists, templates . . .



Submission

To submit a PDF with the work.

 The document should be appropriate: cover, table of contents, sections, figures, references, etc.

- An introduction is needed, before the Quality Plan:
 - Project
 - What's a Quality Plan?
 - Structure / Sections of the Quality Plan
 - Members
 - **—** ...



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