Embracing the Silence

BLEKINGE INSTITUTE OF TECHNOLOGY

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Best Practice ’23 Presentation

Context

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Pandemic
Complete shift to online teaching

Badly received course
Conflicts between teachers and students, bad evaluations, overall frustration

New teaching team
Complete switch of teaching staff in this course

Challenge

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Students neither turn on their camera nor their microphone

One-directional interaction

Impossible to detect confusion among students

Solution: Embrace the Silence … but open another channel

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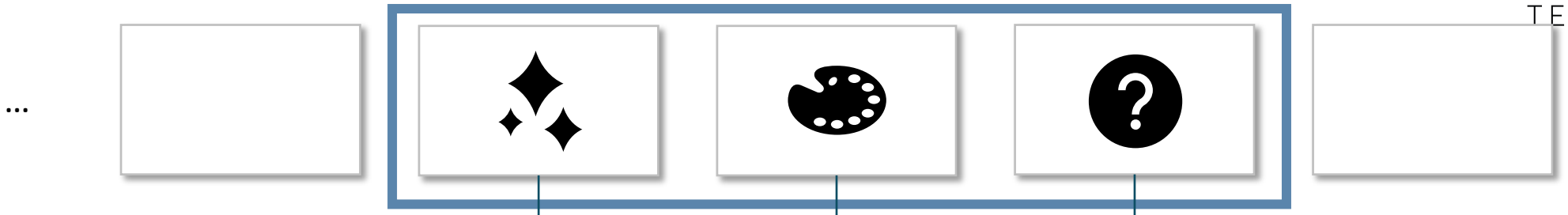
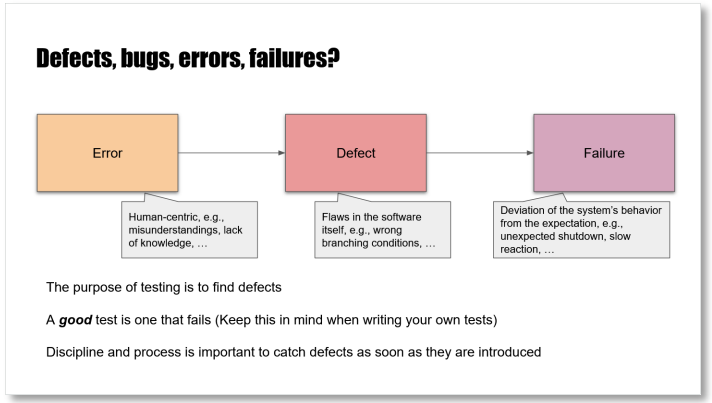
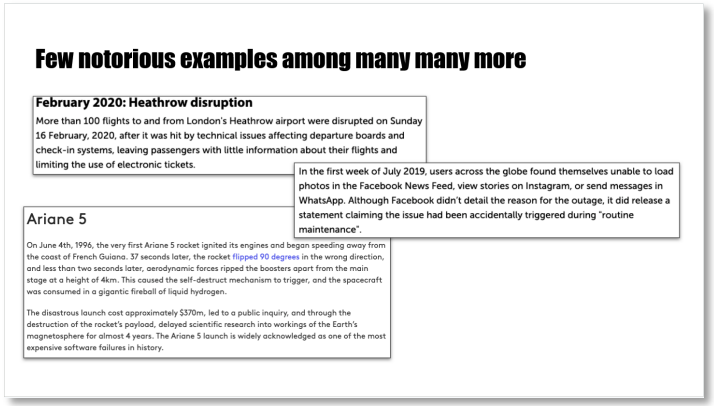


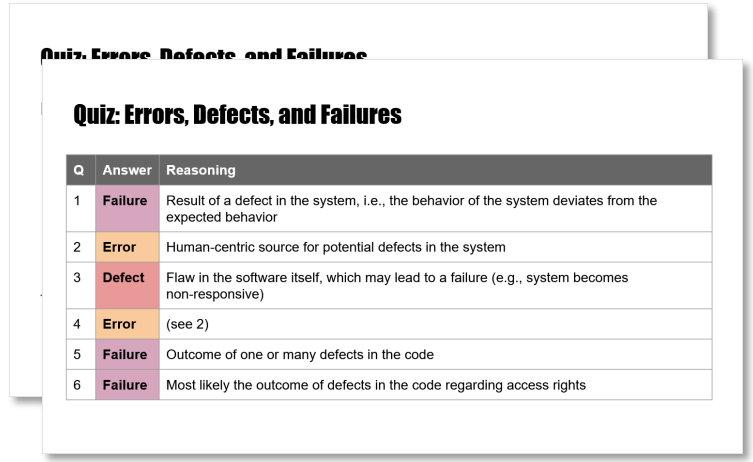
Introduction

Example

Quiz & Solution







Implementation

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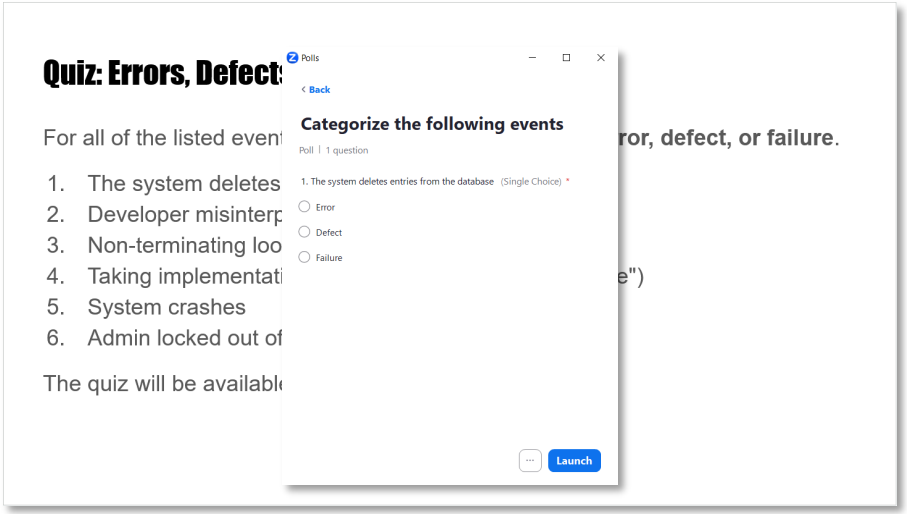
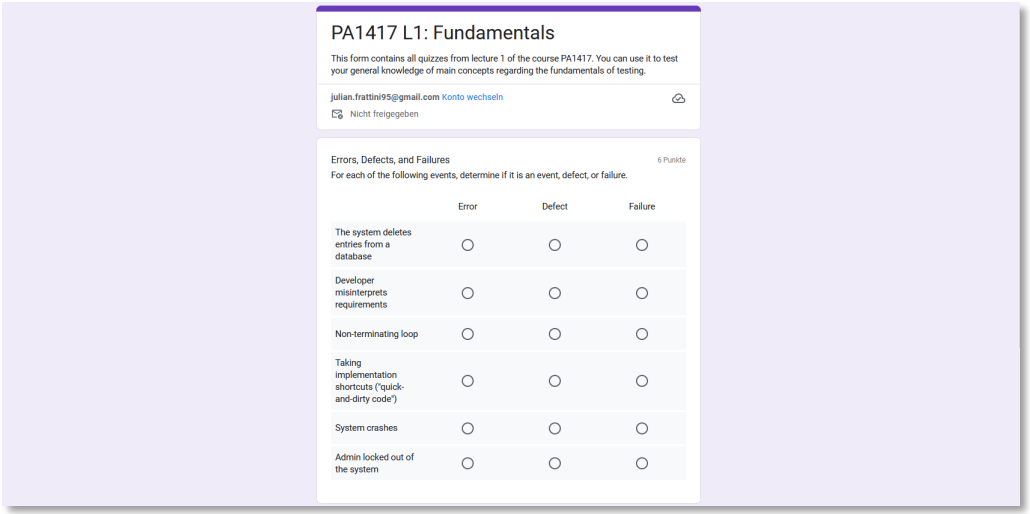
Zoom-internal “poll”



- Can be prepared in advance
- Does not interrupt the flow of the lecture
- Difficult to reuse quiz and results

External tool



- Can be prepared in advance
- Sends students to another website
- Persistent beyond one lecture

Usage

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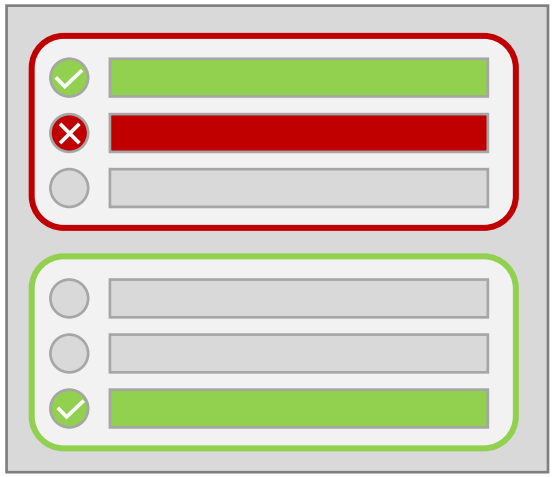
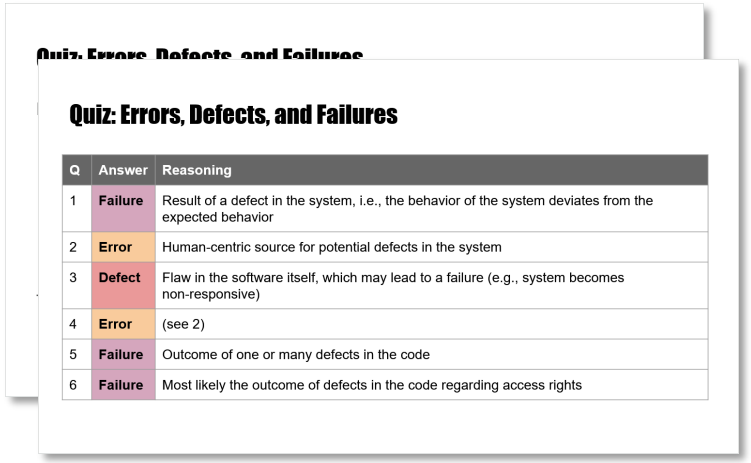
For Students:
Individual Assessment





Quiz: Errors, Defects, and Failures

Q	Answer	Reasoning
1	Failure	Result of a defect in the system, i.e., the behavior of the system deviates from the expected behavior
2	Error	Human-centric source for potential defects in the system
3	Defect	Flaw in the software itself, which may lead to a failure (e.g., system becomes non-responsive)
4	Error	(see 2)
5	Failure	Outcome of one or many defects in the code
6	Failure	Most likely the outcome of defects in the code regarding access rights

For Teachers:
Overview

Effect & Reception

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Continuous Attention
Students follow the course because everyone is prompted every few slides

Engaging Conversations
Quiz results spark follow-up conversations

Appreciation
Quizzes are the single-most appreciated feature of the new course

Consequences & Limitations

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Question Type
Pattern only works with single- or multiple-choice questions

Assessment Type
Quizzes only test understanding, not higher-level types of knowledge

Commitment
Students will now keep their cameras shut off all the time

Potential: Evaluating Course Material Changes

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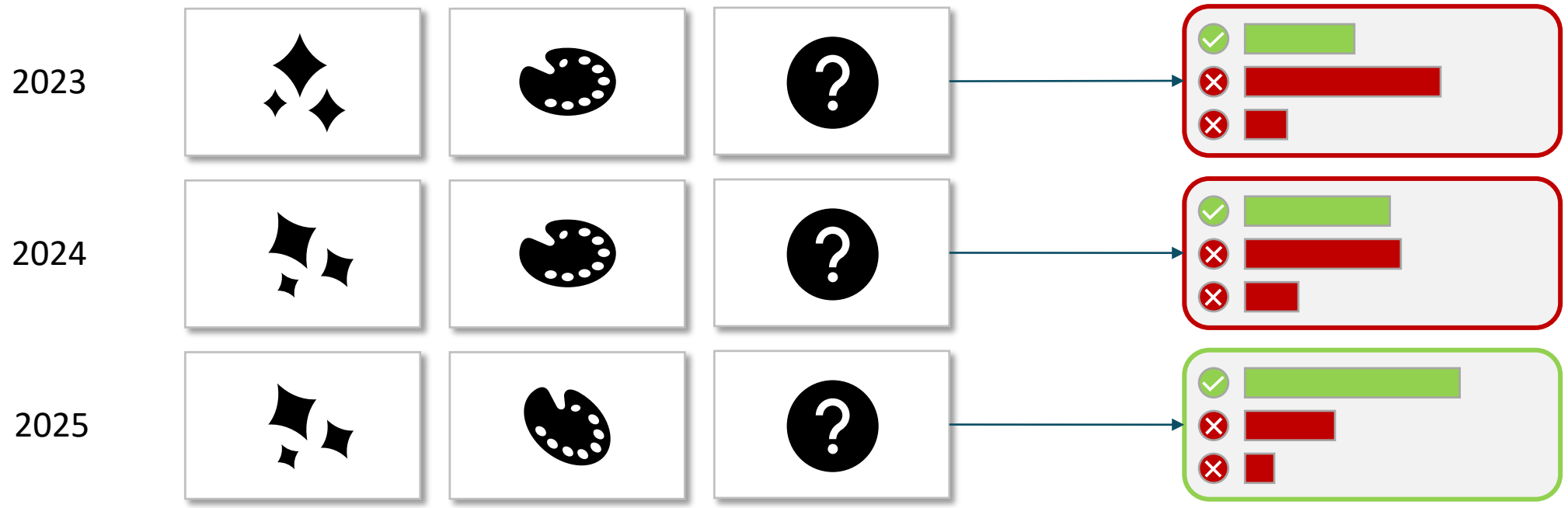

Summary & Conclusion

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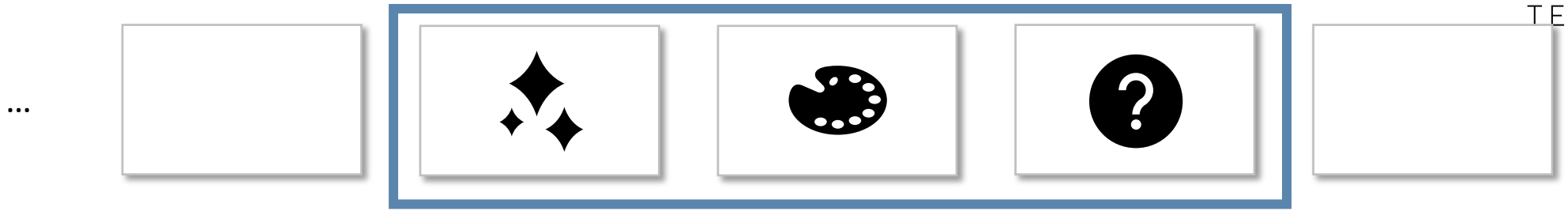

Continuous Attention

Limited Question Types

Engaging Conversations

Limited Assessment Type

Appreciation

Commitment

Summary & Conclusion

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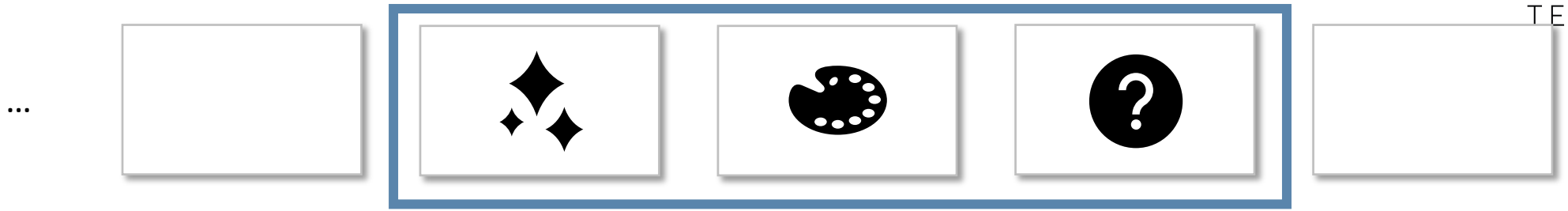

Continuous Attention

Limited Question Types

Engaging Conversations

Limited Assessment Type

Appreciation

Commitment

Thank you for your attention.

BLEKINGE TEKNISKA HÖGSKOLA
BTH