

Quality assessment of LOD for potential Dual Use



Product for

LUZZU

Project – In Supervision of Harsh Thakkar

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Content

- Objectives and Goals
- Use cases
- Requirements
- Future Perspectives

“You always have the problem of dual-use in every new technology. Steel can be used to make sewing needles or spears.”

Lauri Zoloth!



CARBON FIBER

Missile Tip

CARBON FIBER

Bicycle Frame

Where is the nearest nuclear power plant from
Koln airport?

How to make a bomb using a 2-cell battery or
cell soap?

What is the nearest military base to location x?

Where is the nearest nuclear power plant from
Köln airport?

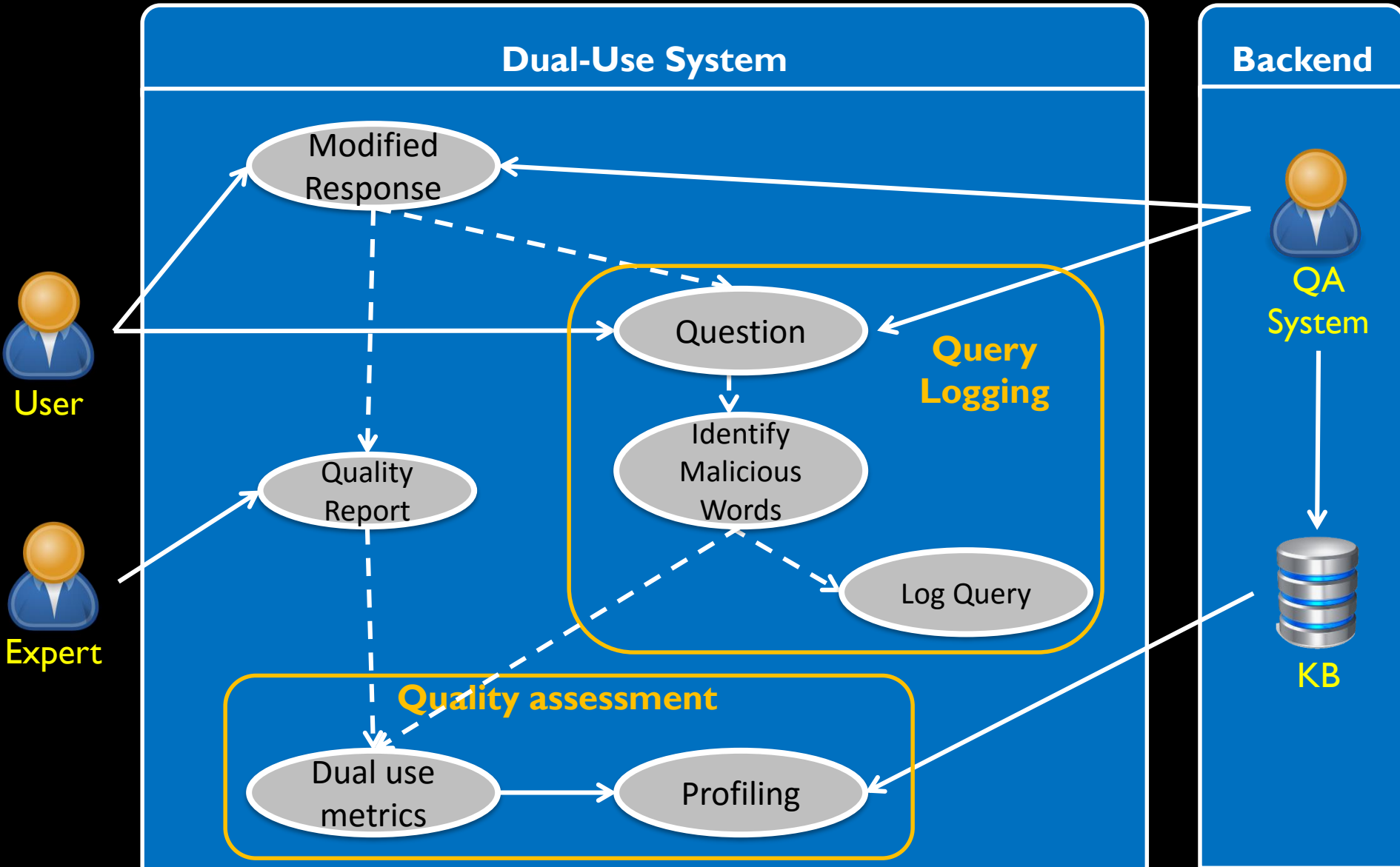
How to make a 1.5V cell battery or
cell soap?

What is the nearest military base to location x?

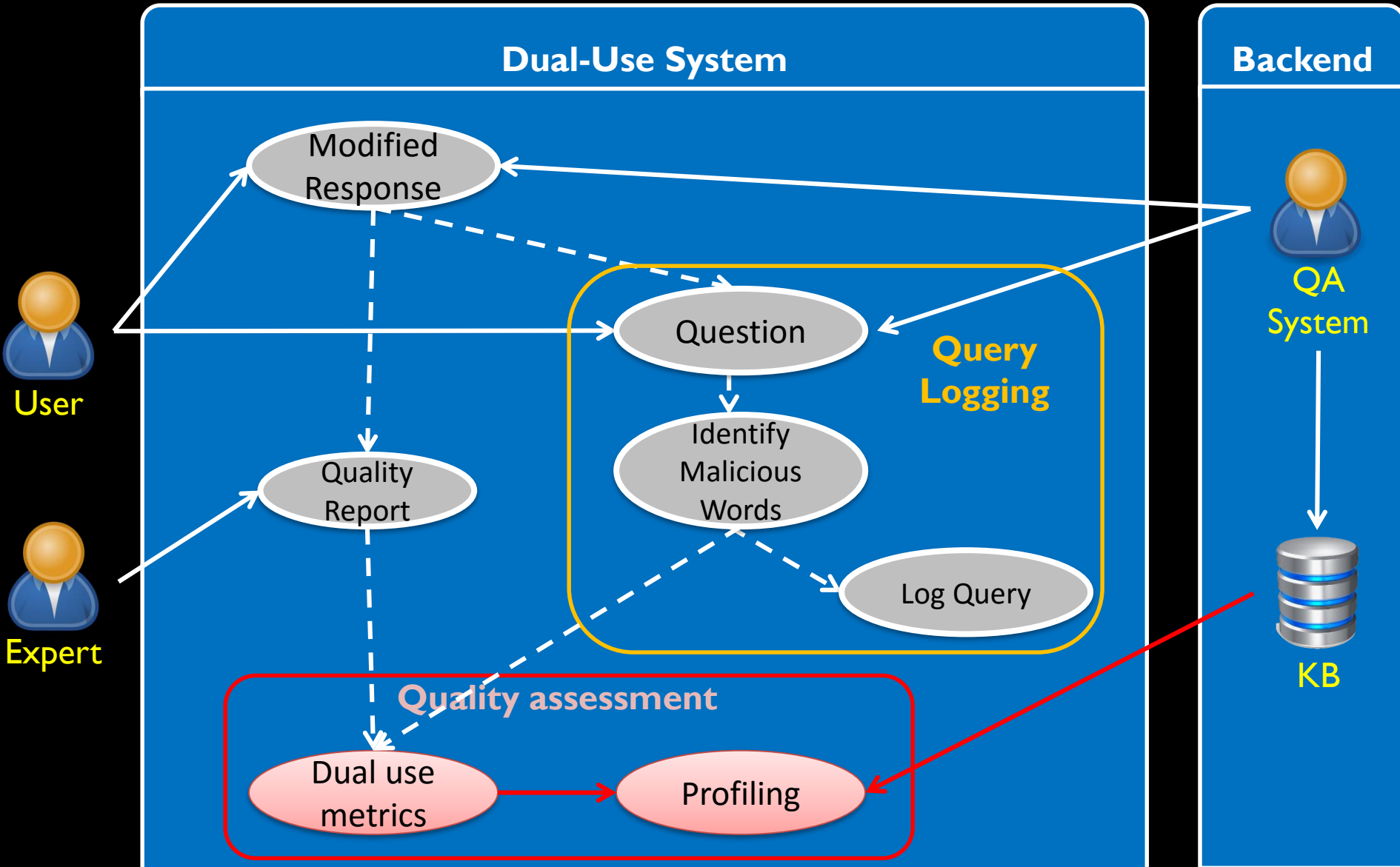
BLOCK it !!

Use Cases

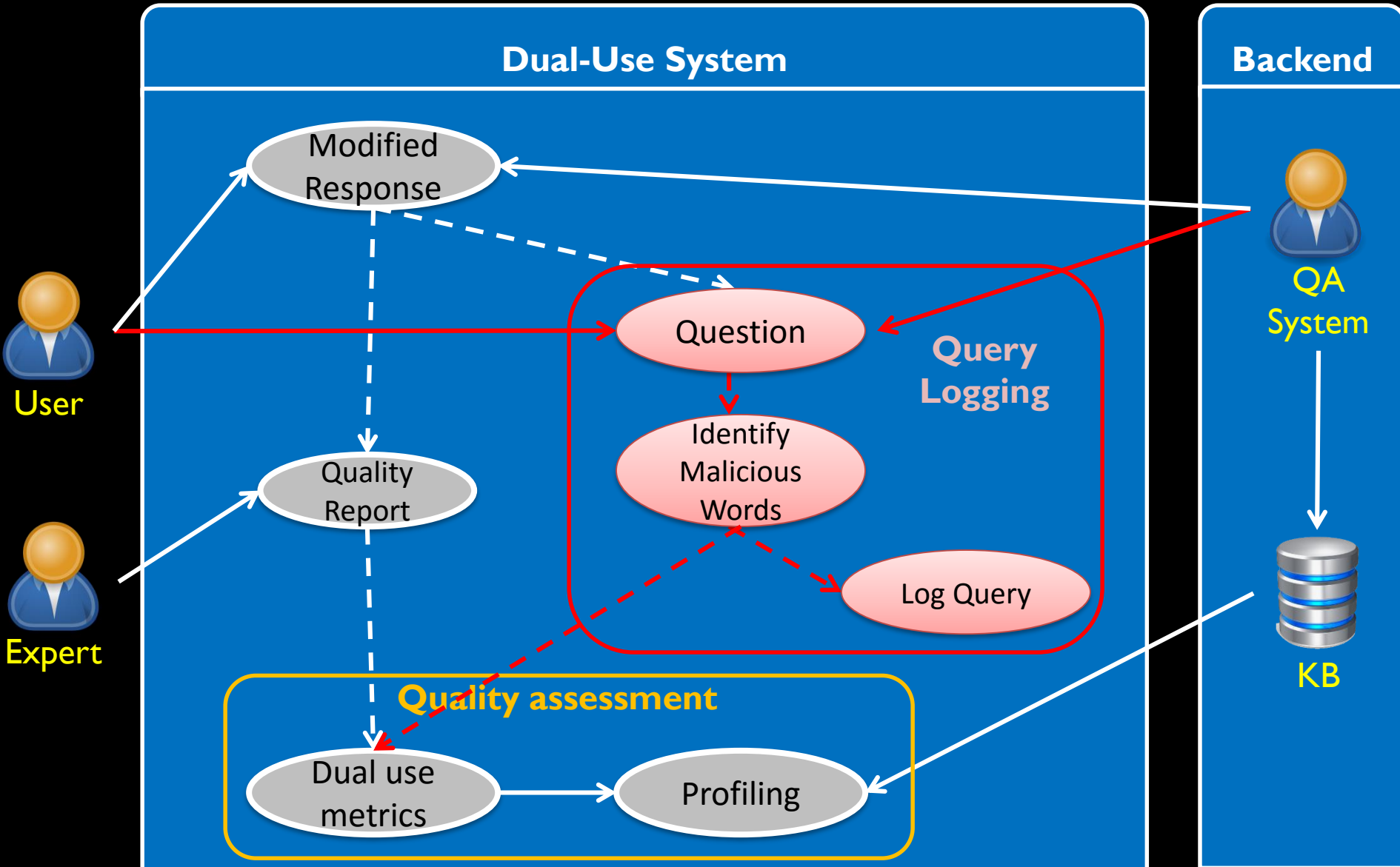
Use Cases Diagram



Use Cases Diagram



Use Cases Diagram



Requirements

Requirements • Functional



Identify the malicious words in the query

Create quality Report



Possibility to modify response



Data Set profiling for
Dual-Use scenario

Create a log for
malicious queries



Define and Test Dual-
Use Metrics

Requirements • Non Functional

An efficient system ensuring high performance for large datasets

Well documentation of navigational files



Future

P e r s p e c t i v e s

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Thank You ..