

# Quality assessment of LOD for potential Dual Use

University of Bonn  
Master of Computer Science  
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# Content

- Objectives & use cases overview
- Process diagram
- Time table

# Overview (objectives)

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?

# Overview (objectives)

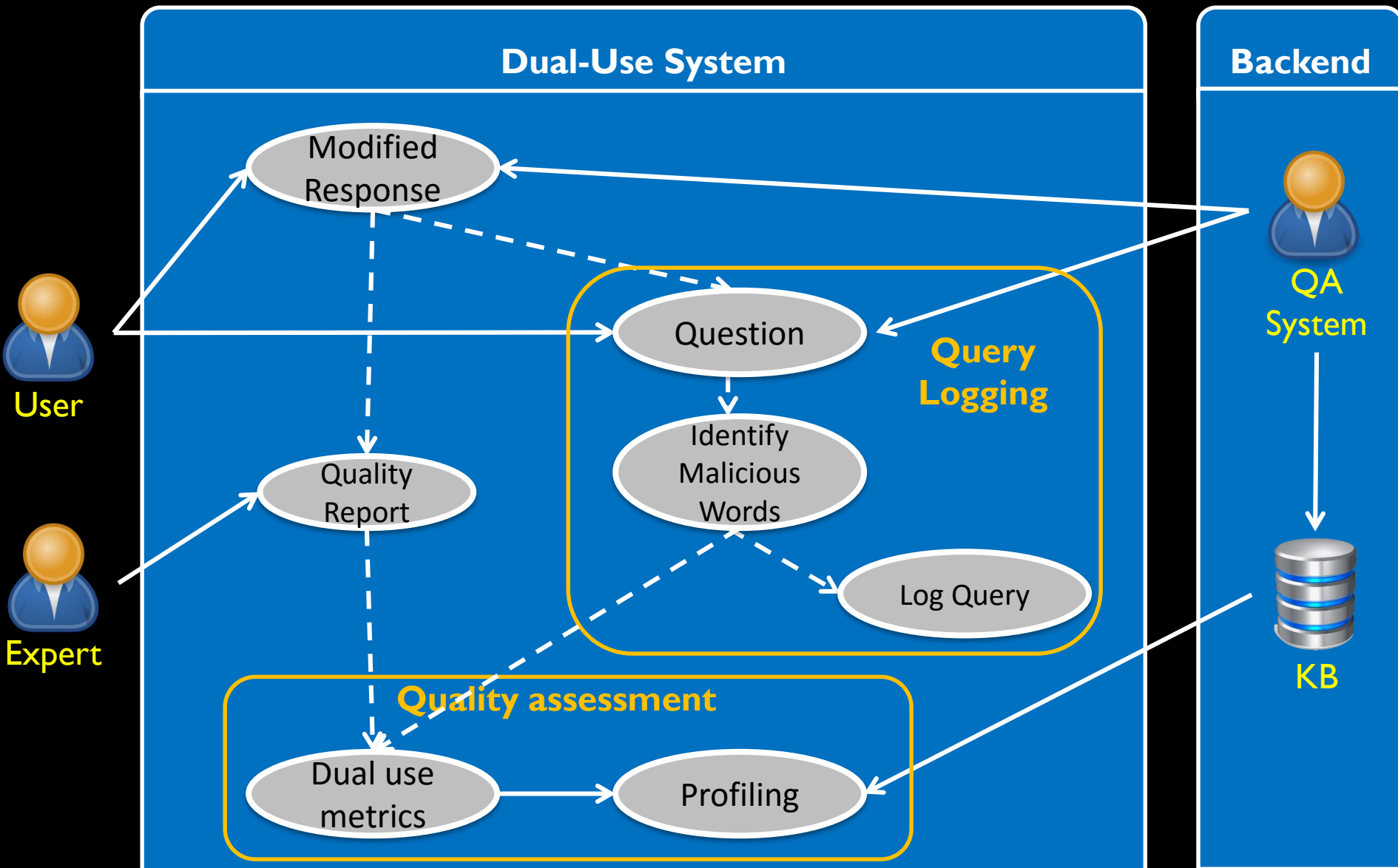
Where is the nearest nuclear power plant from  
Köln airport?

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

What is the nearest military base to location x?

BLOCK it!!!

# Overview (Use-Case Diagram)

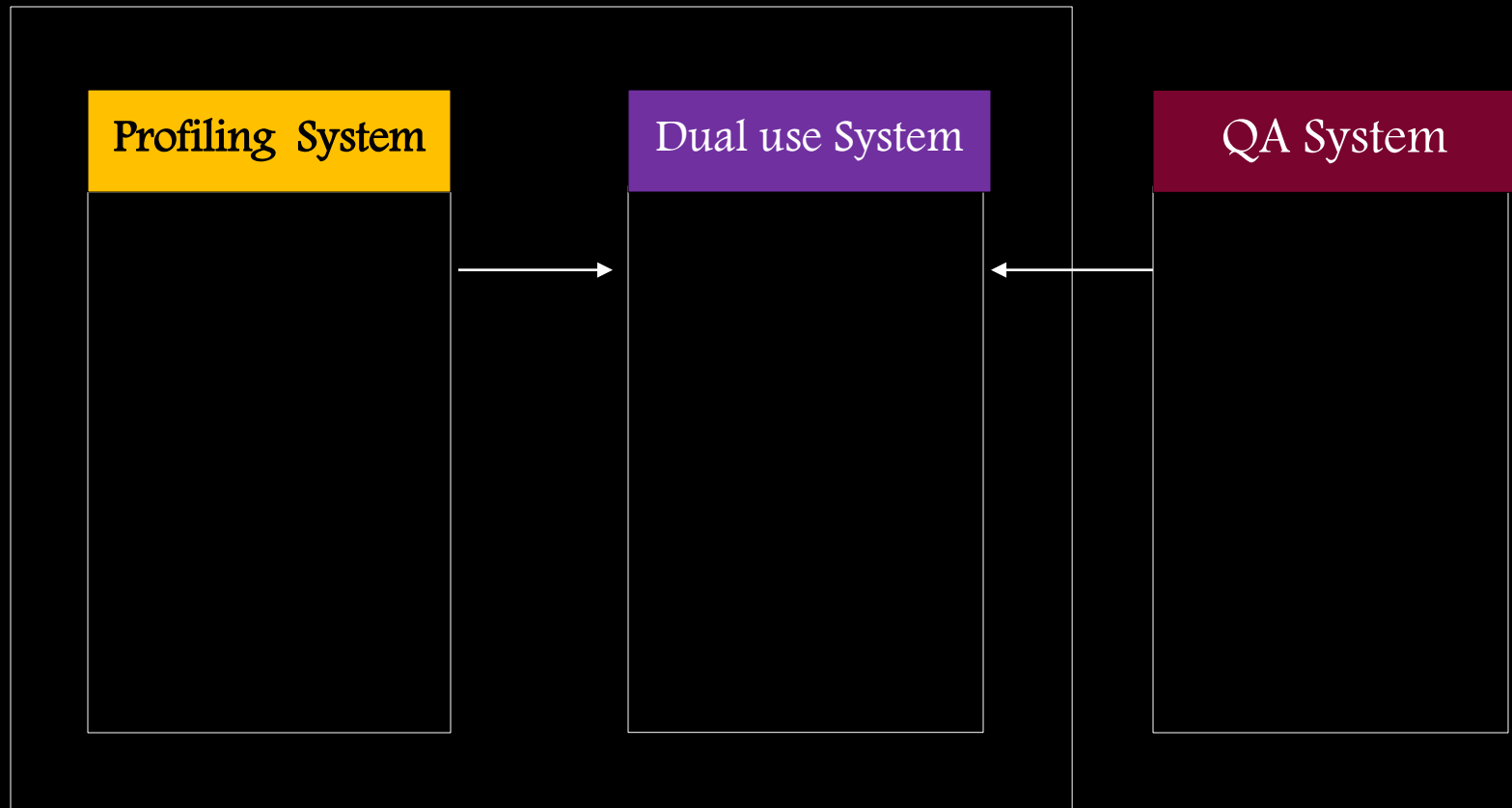


# Process Diagram

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- Profiling System
- Dual-use System

# Process Diagram

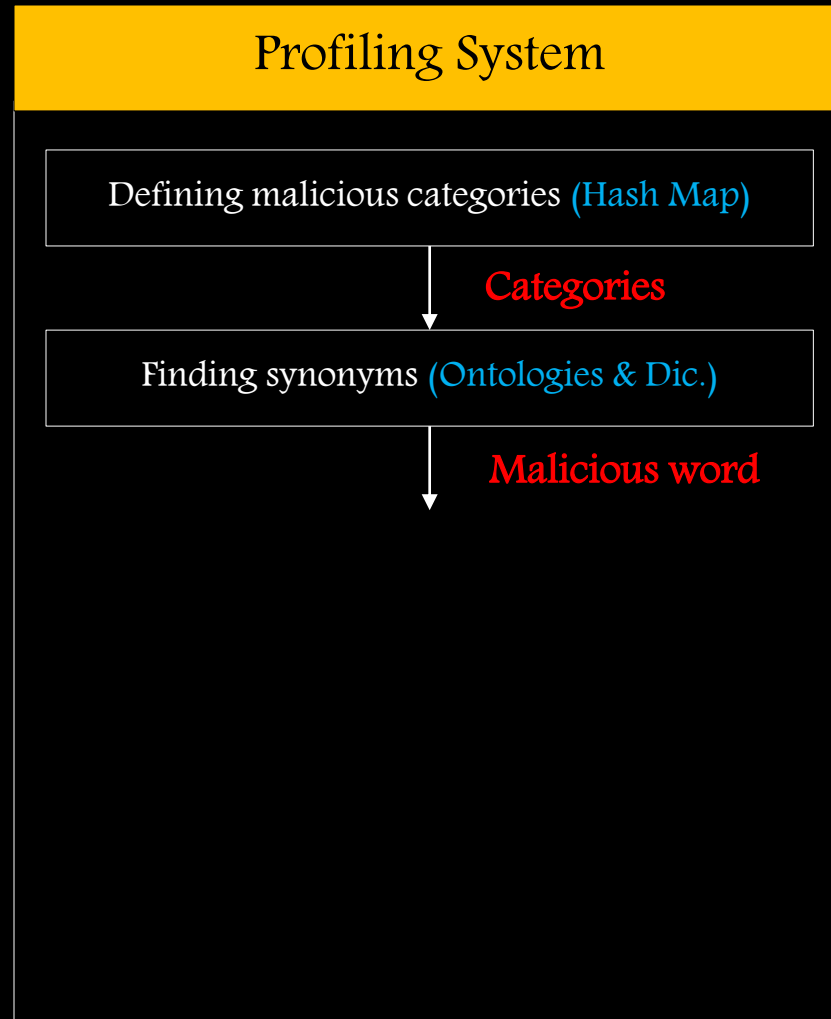




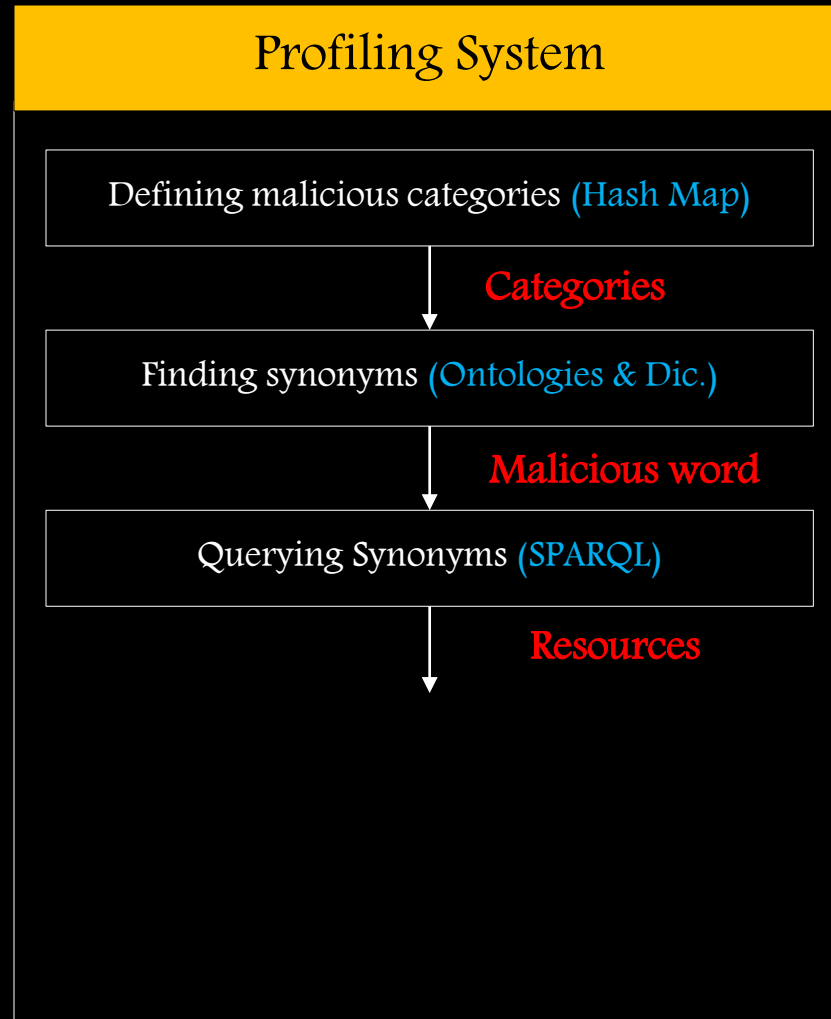
# Profiling System



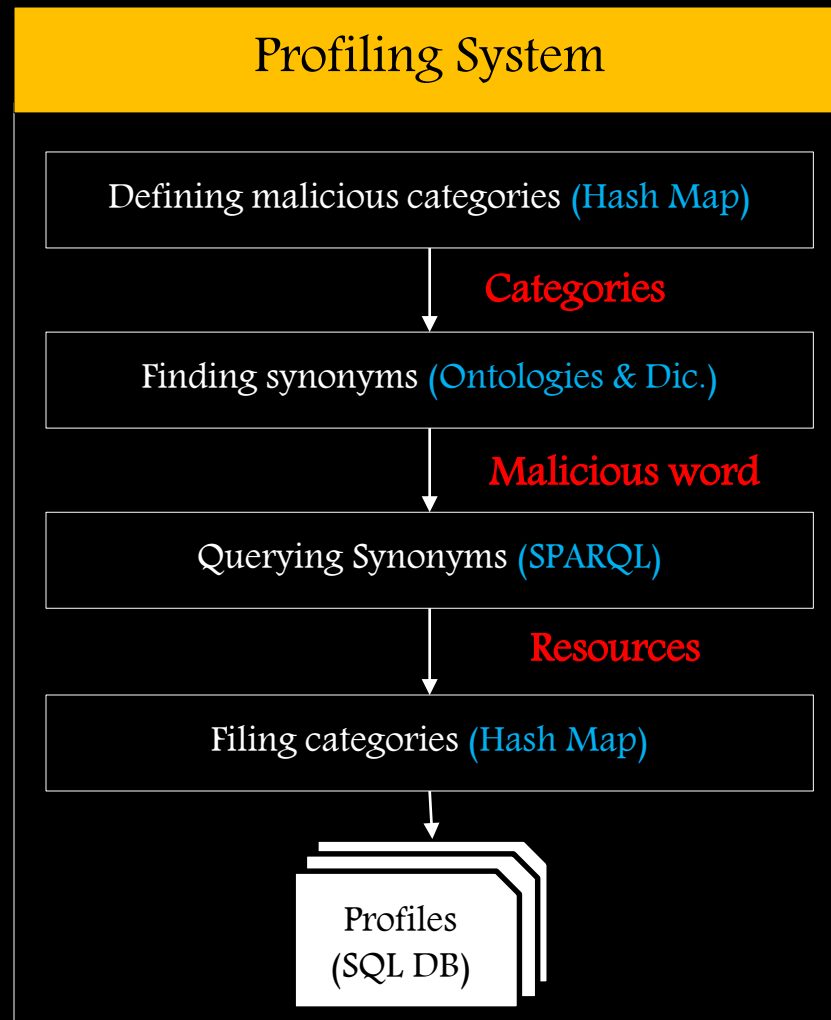
# Profiling System



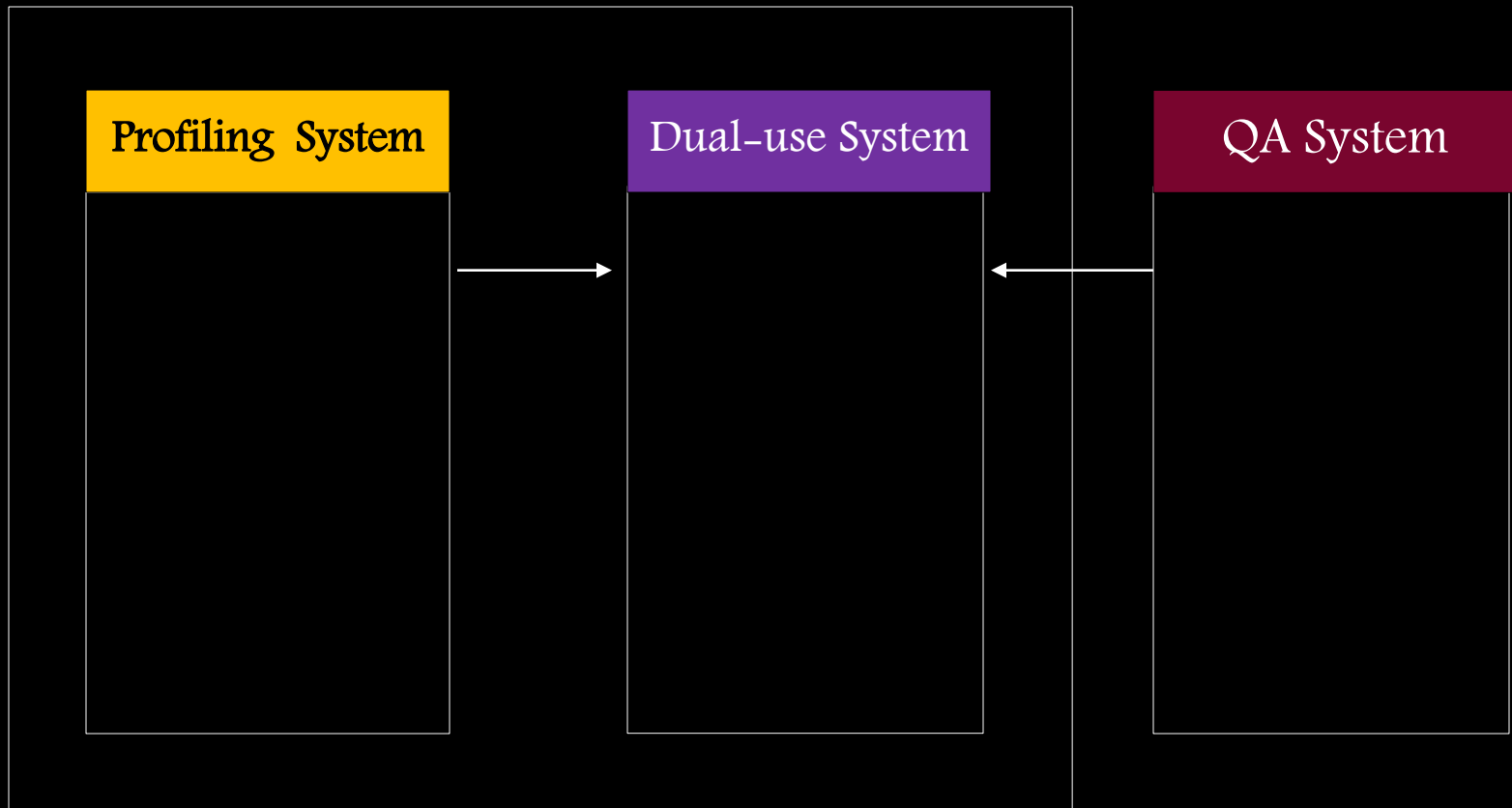
# Profiling System



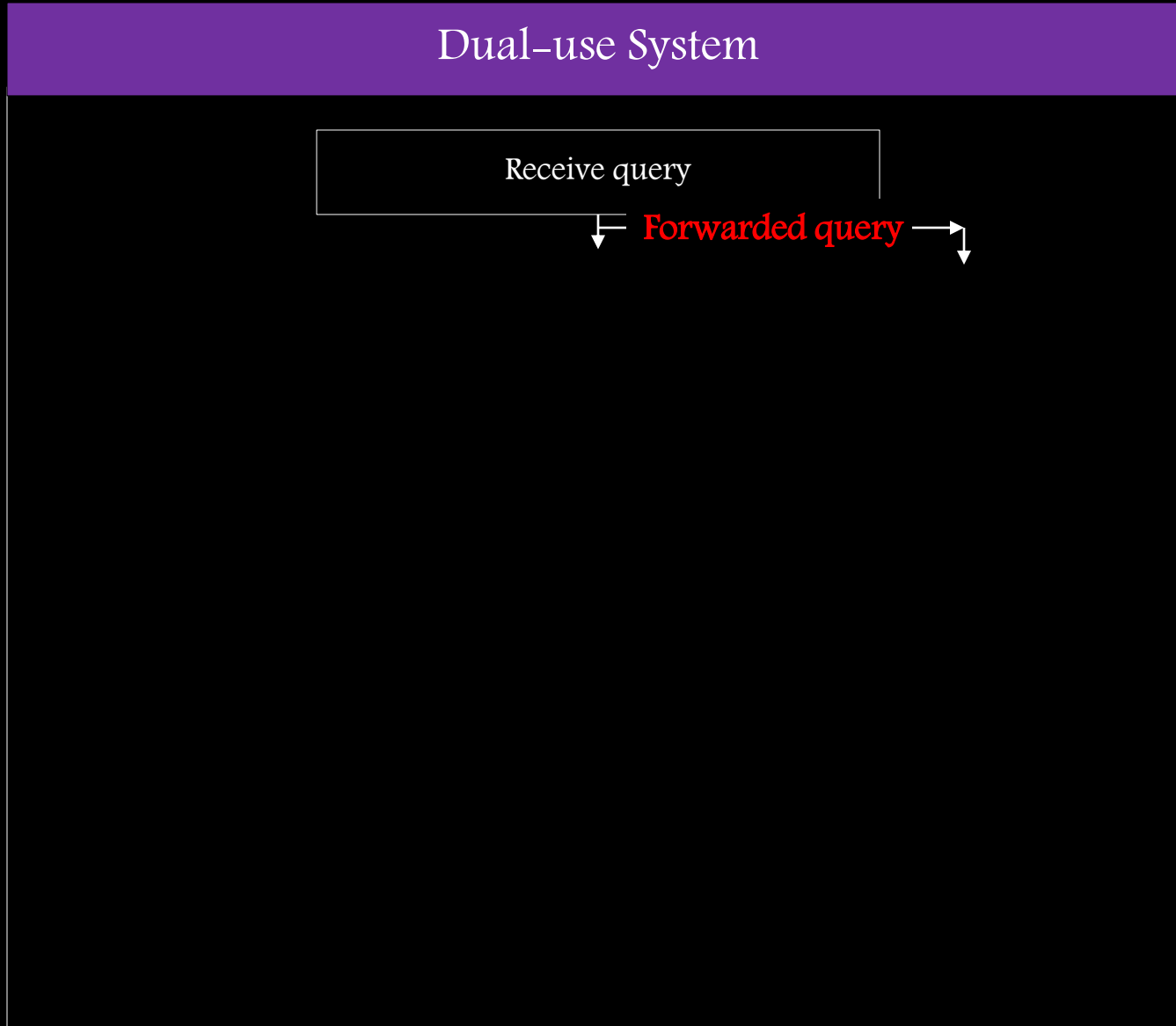
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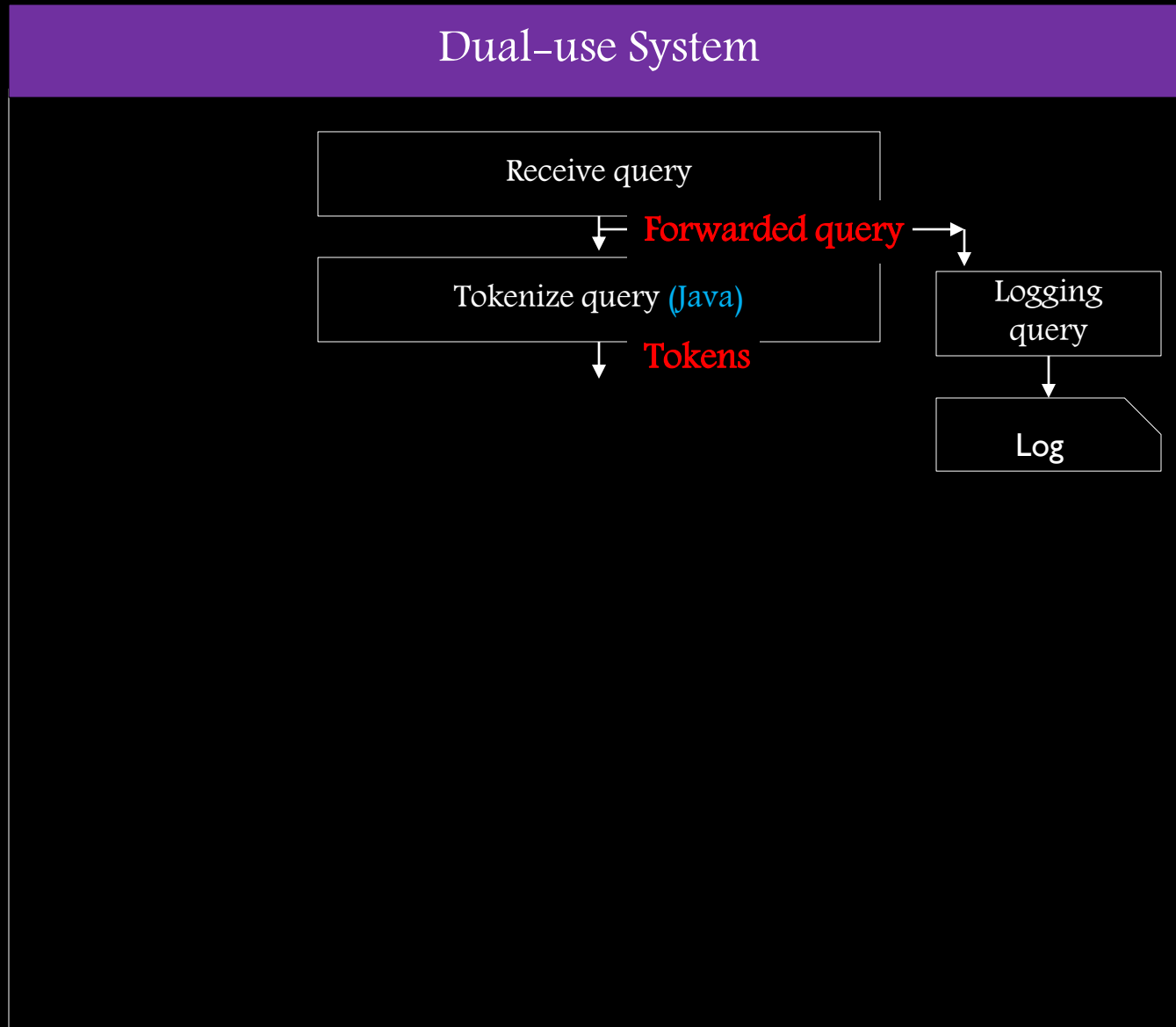
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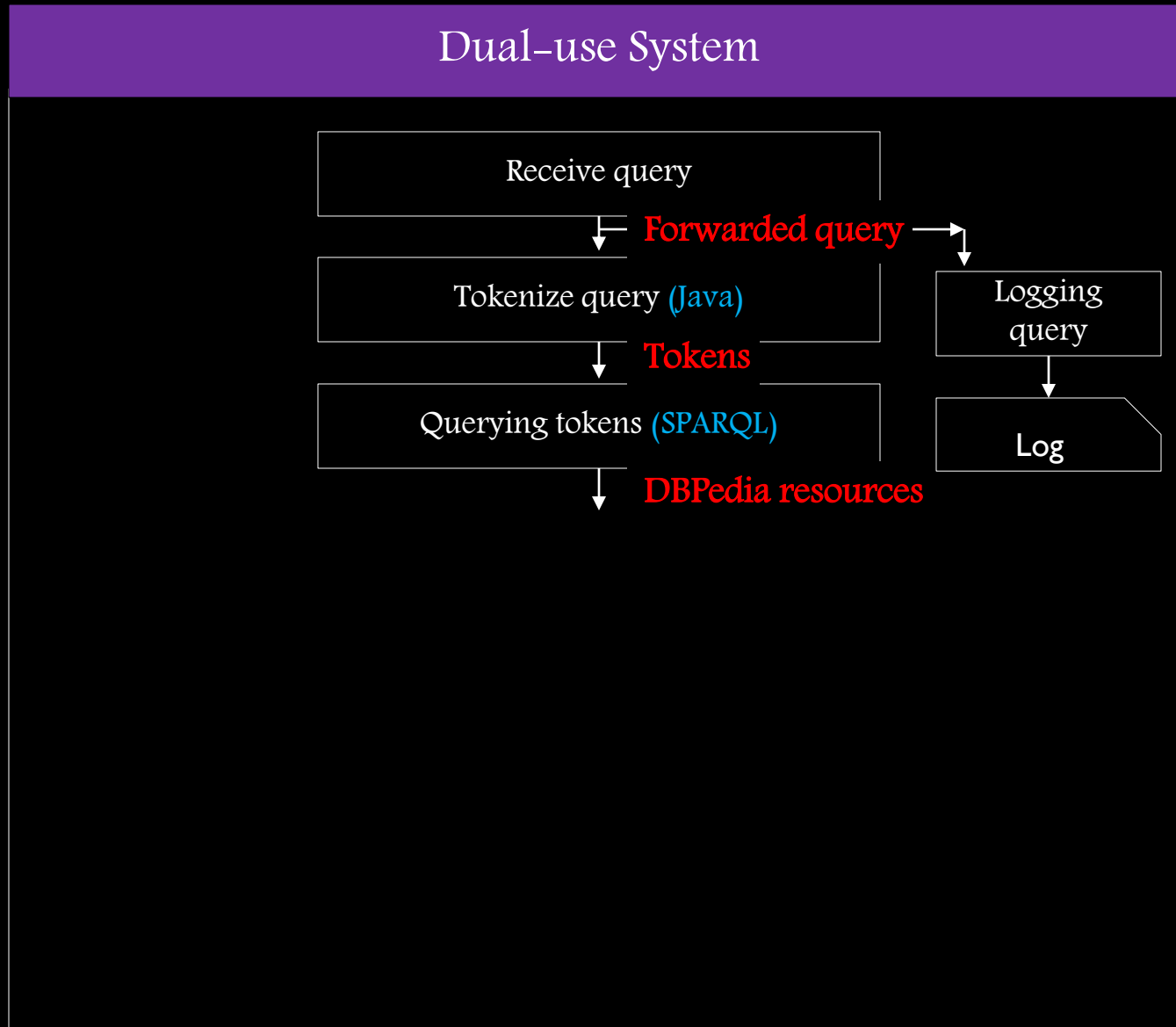
# Dual-use System



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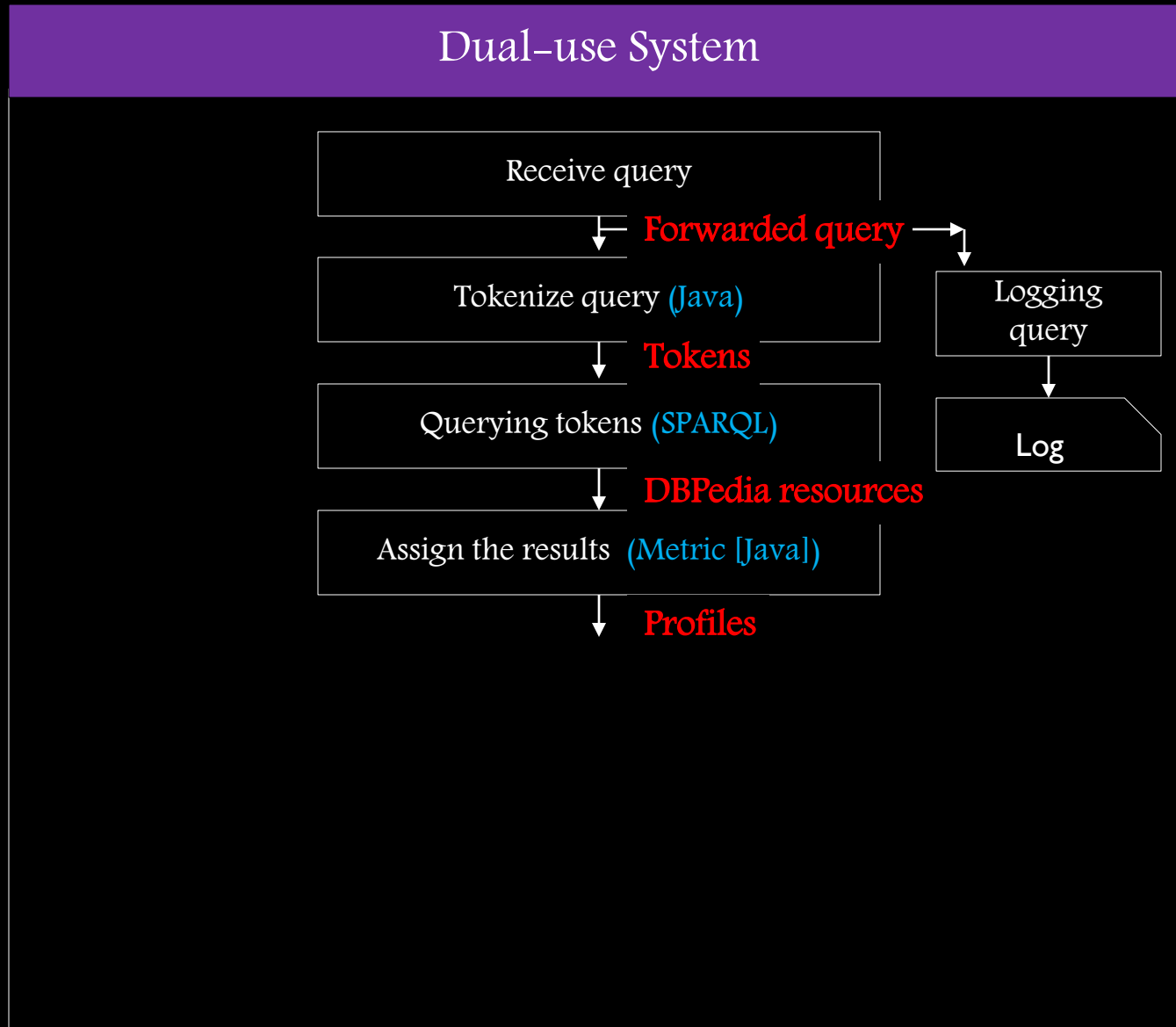


# Dual-use System

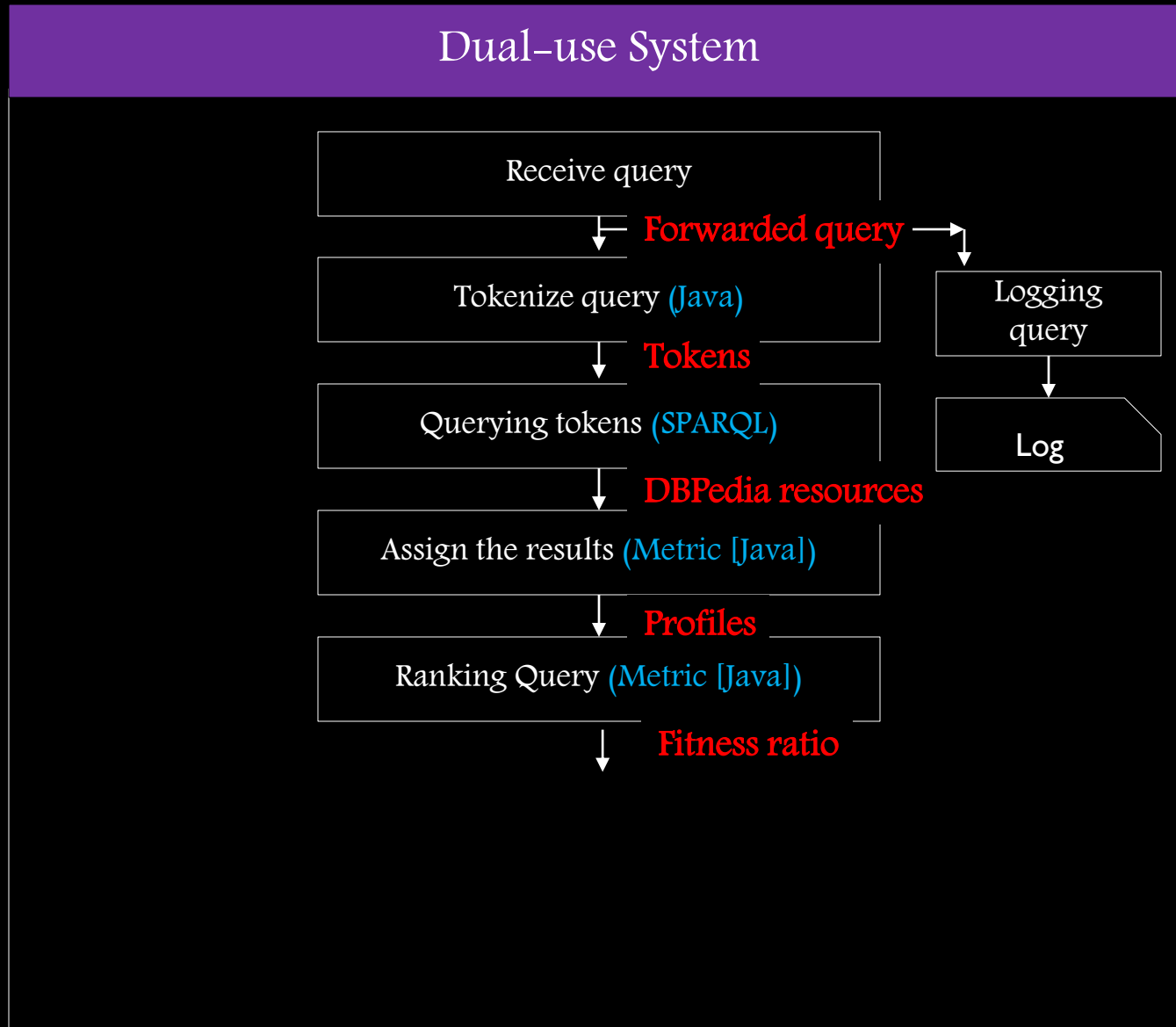




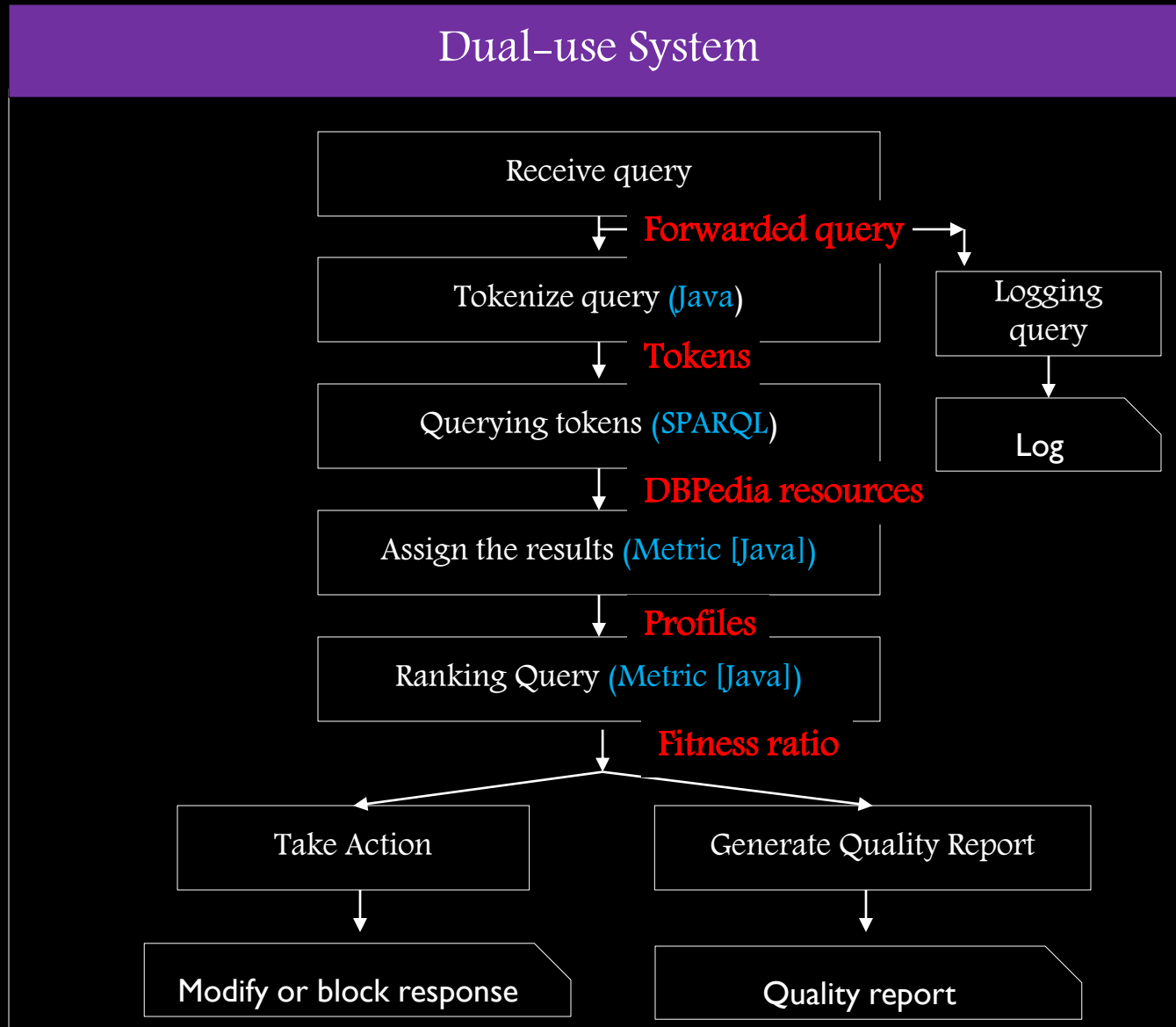
# Dual-use System



# Dual-use System



# Dual-use System



# Time Table

# Initialization (May)

Init.

Creating use cases.

Ali & Ola

W 1

Init.

Creating requirement specification document.

All

W2

Init.

Creating system architecture .

Mhd. & Amal

W3,4

# Development (June & July)

|      |       |  |            |            |
|------|-------|--|------------|------------|
| Dev. | Prof. | Defining categories.                           | Ola & Amal | W1         |
| Dev. | Prof. | Creating profiles.                             | Ali & Mhd. | W2,3       |
| Dev. | Sys.  | Develop tokenization & logging process.        | Ola        | W2,3       |
| Dev. | Sys.  | Build SPARQL query.                            | Amal       | W3,4       |
| Dev. | Sys.  | Develop dual use metrics.                      | Mhd.       | W1,<br>2,3 |
| Dev. | Sys.  | Develop a criteria to generate quality report. | Ali        | W3,4       |

# Deployment (August & September)

|      |                         |     |      |
|------|-------------------------|-----|------|
| Dep. | Test the System.        | All | W 2  |
| Dep. | Presenting to customer. | All | W 3  |
| Dep. | Fix bugs.               | All | W4,1 |
| Dep. | Deliver to customer.    | All | W 3  |

# Organization

|      |                              |     |     |
|------|------------------------------|-----|-----|
| Org. | Communication with customer. | All | All |
| Org. | Supervising teamwork.        | Ali | All |
| Org. | Preparing Documents.         | All | All |



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**Thanks for listening ...**