

# Human Machine Interaction

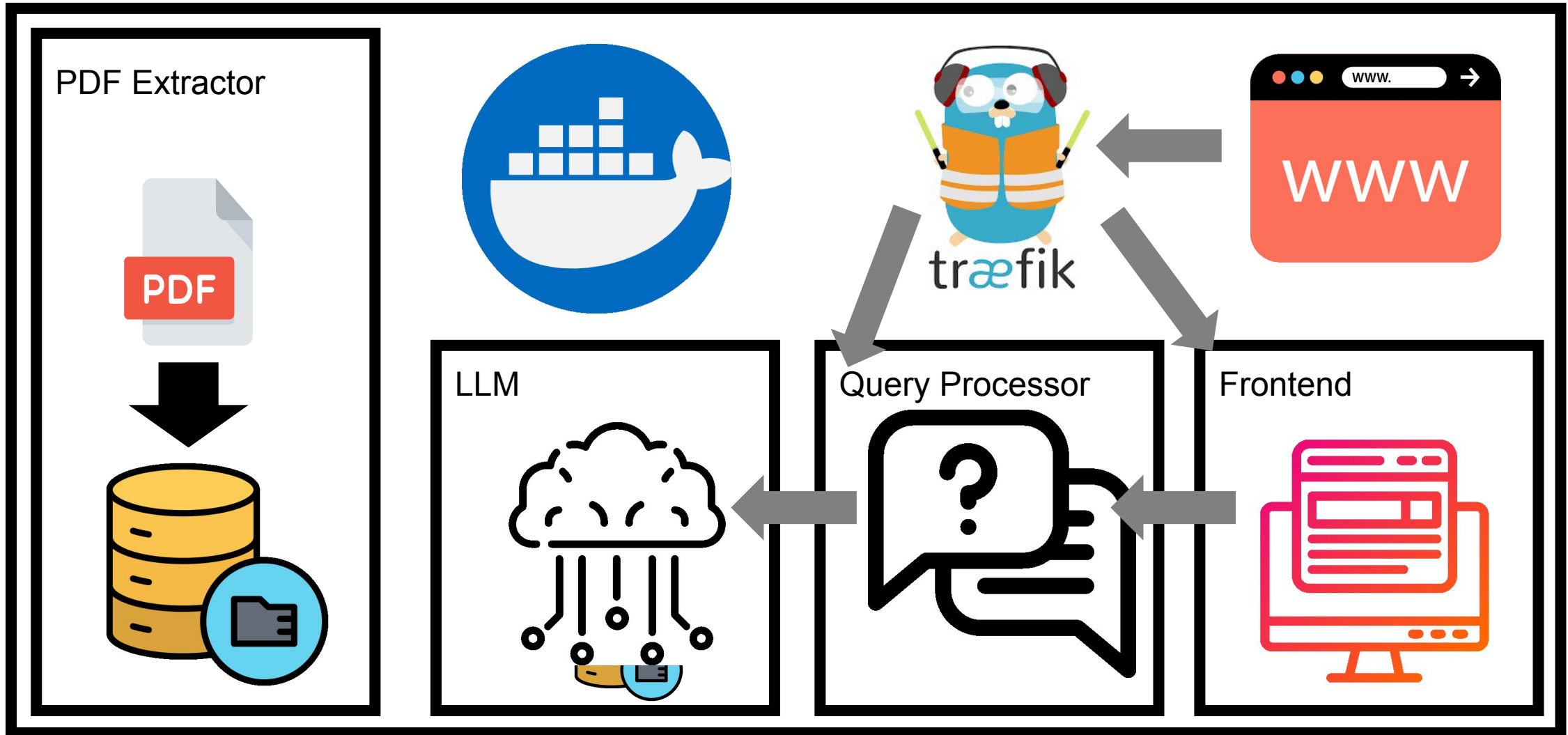
# Final Presentation

Group 2

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# System Architecture



# Included techniques and libraries

- SBERT sentence transformer
- SBERT cross encoder
- Levenshtein distance calculation
- SQL
- Apache PDFBox
- Gorilla web toolkit
- Interpreter design pattern
- Containerization/Microservices

# Facets

Operator	Description
“”	Exact match
	Boolean or (and by default)
-	Not
*	Any
intitle	Course title
instructor	Lecturer
learning	Learning objective
content	Course contents
elective	Shows only elective courses if true, only obligatory courses if false
term	Specific term (1, 2, 3, summer, winter)
(none)	Free-form query

Live demonstration

# Thank you for your attention



<https://github.com/ttefke/hmi-project>