

# Automatic Privacy Policy Analysis for Software Requirements Compliance using Natural Language Processing

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Research Group: **Software System Science**

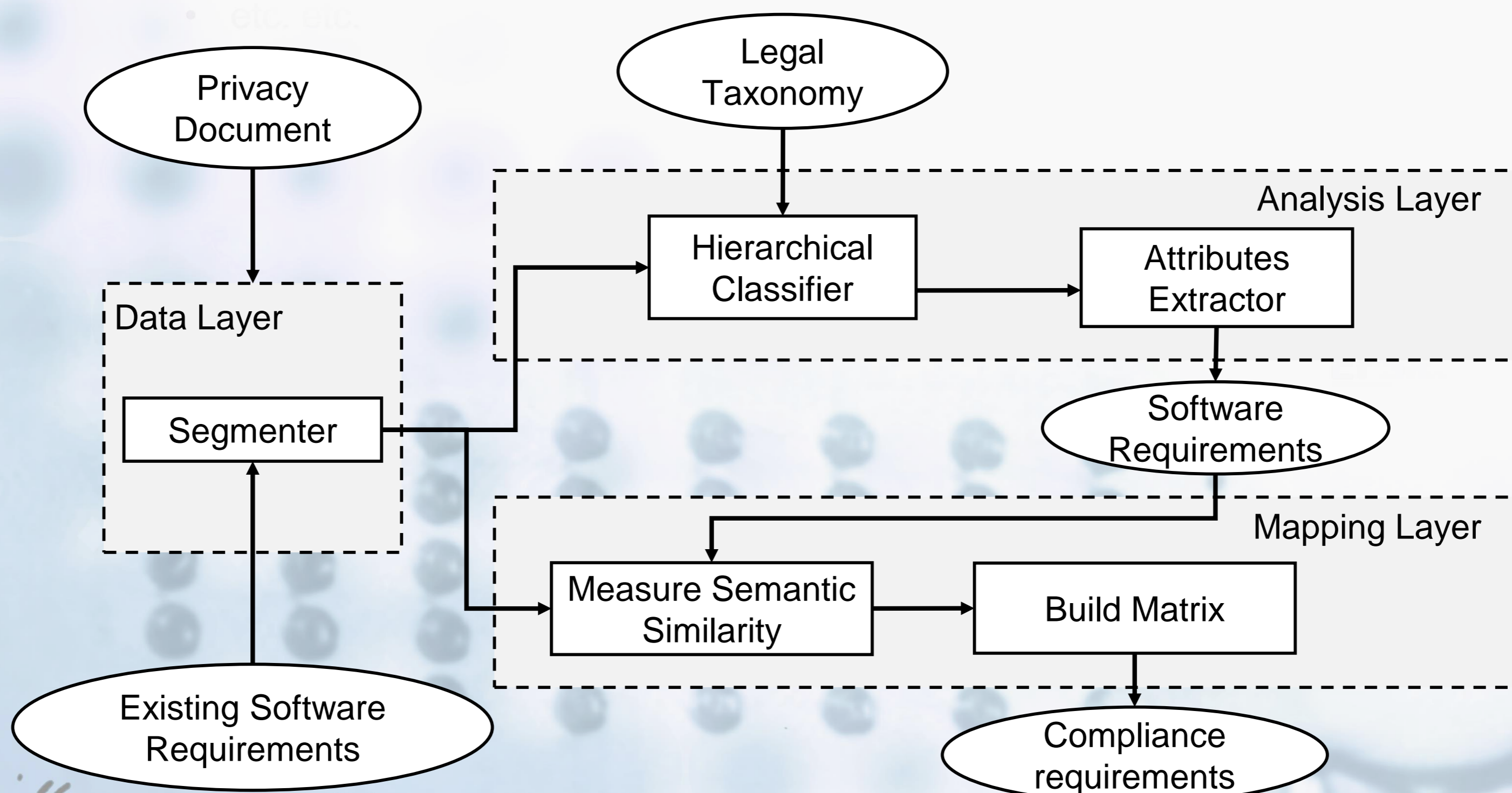
## Background

- ❖ Privacy policies are a key legal agreement between users and companies about data collection and sharing.
- ❖ These policies are often ignored while designing and implementing the software systems due to difficulty of understanding and time constraints.
- ❖ However, violating privacy policies creates data breaches and levy fines against companies.

## Research Questions

- What are the different software requirements which can be identified from the privacy statements?
- What are the syntactic and semantic patterns exist in the privacy statements to extract attributes in terms of software requirement aspects?
- How to measure the compliance between privacy policy requirements and existing software requirements?

## Approach



18/7/19

*Kilburn Highest Factor Routine (amended)*

Function	C	25	26	27
-24 to C	-G <sub>1</sub>	-	-	-
-25 to C	-G <sub>1</sub>	-	-	-
-26 to C	G <sub>1</sub>	-	-	-

This project is supported by school of computer science Kilburn Overseas Fees Bursary University of Manchester