

Privacy Compliance by Design

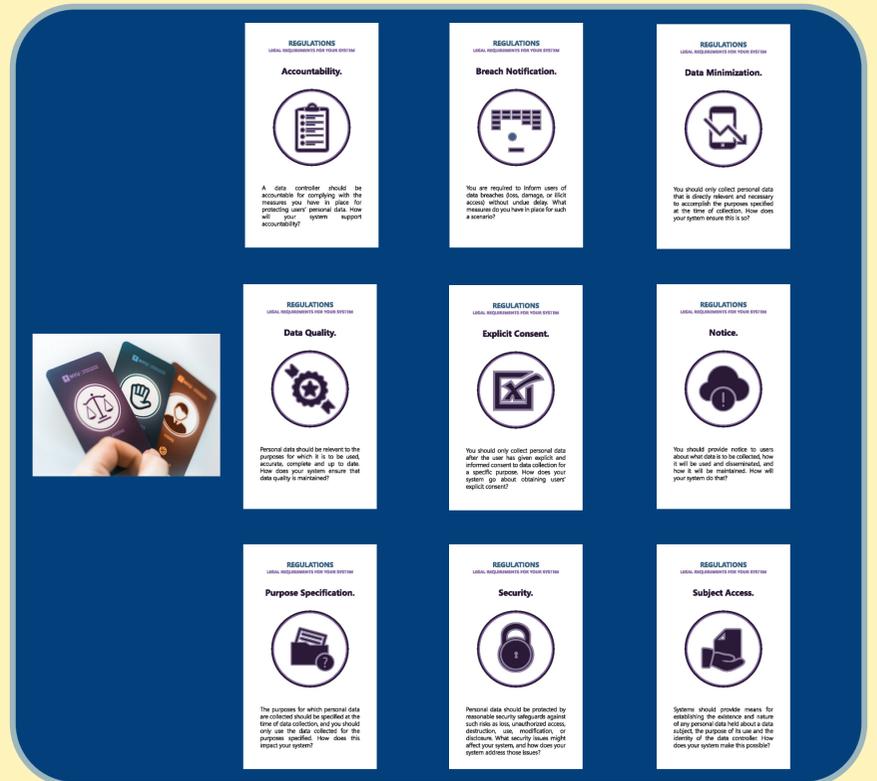
PI: Sameer Patil, Indiana University, Bloomington



Objectives

The research aims to **bridge the gap between privacy policy makers and software professionals** by building significantly upon an early exploratory study that examined the use of "**privacy ideation cards**" to make data protection provisions **understandable and actionable** by software professionals.

The research is designing and developing a deck of privacy ideation cards for US privacy laws and regulations. The cards promote an understanding of privacy laws and regulations by **software professionals** as well as **students**. We are applying the cards in the design of **real-world software solutions**, thus promoting and extending the *Privacy by Design* approach.



Approach

Ideation Cards

- We are using a deck of "ideation cards" which includes a suit related to privacy laws and regulations.

Project Activities

- Survey of US privacy law professionals.
- Workshops with industry professionals.
- Pedagogical activity for student projects.

Progress so far:

- Survey of US privacy law professionals.
Workshop paper at CHI 2016
- Used cards in 17 software Capstone projects at UCI.
Paper submitted to ICSE 2017
- Workshops with industry professionals at **Cisco** and **Microsoft**.

Upcoming...

- New US-specific privacy ideation cards.
- Web site for information and distribution of cards.
- Post-workshop interviews of industry professionals.
- Reporting results of industry workshops.
- Curriculum design for privacy compliance training.

Dealing with Multiple Jurisdictions: Extending Privacy Ideation Cards from the EU to the US

Authors: Fosh, L., Patil, S., Luger, E., & Golembewski, M.
Abstract: The development of personal data collected by technology...
Keywords: Privacy, personal information, data protection, compliance, software engineering.

Fosh, L., Patil, S., Luger, E., & Golembewski, M. (2016) **Dealing with Multiple Jurisdictions, Extending Privacy Ideation Cards from the EU to the US.** *CHI 2016 Workshop on Bridging the Gap between Privacy by Design and Privacy in Practice.*

Using Ideation Cards to Explore Privacy Compliance in Software Engineering Projects

Authors: Fosh, L., Luger, E., Golembewski, M., & Patil, S.
Abstract: This paper describes the design and development of a deck of privacy ideation cards...
Keywords: Privacy, personal information, data protection, compliance, software engineering.

Fosh, L., Luger, E., Golembewski, M., & Patil, S. **Using Ideation Cards to Explore Privacy Compliance in Software Engineering Projects.** *Submitted to International Conference on Software Engineering (ICSE) 2017.*

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