

CS-523 Advanced topics on
Privacy Enhancing Technologies

Privacy-Preserving Authentication

Live exercises

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A privacy-friendly system for aid distribution

Humanitarian aid organizations help people in need in conflict and disaster zones around the world. Since their resources are limited, they can only help those people most in need of aid.

During a **registration phase**, aid organizations register specific aid **recipients** that they can help.

The amount of entitled aid differs between **recipients**.

Recipients receive the humanitarian aid in rounds. Once per round, recipients go to a **distribution station**, where eligible recipients receive the aid they are entitled to.

Security and Privacy Property

Give a security and privacy property that this system should satisfy.

System Design

Design a system that satisfies the properties you identified.