**Information Security**

(Lab-Project)

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**1. Introduction**

Creating privacy policies that comply with data protection laws such as GDPR, CCPA, and LGPD is a challenge for many website owners, especially those without legal or technical backgrounds. Our project solves this by offering a simple and secure web-based Privacy Policy Generator.

**2. Problem Statement**

Manual creation of privacy policies is time-consuming, error-prone, and costly. Existing tools often lack customization and are not user-friendly. There is a need for an accessible solution tailored to non-technical users.

**3. Objectives**

* **User-Friendly Interface:** Allow easy policy generation with compliance options.
* **Secure Authentication:** Password hashing and session handling for login/signup.
* **Custom Policies:** Generate downloadable privacy policies in Markdown format.
* **Responsive UI:** Dark theme with frosted glass effects using Bootstrap and CSS.
* **Scalable Backend:** MongoDB for storing user accounts and policies.

**3. Key Features**

* Secure login and signup with hashed passwords
* Custom policy generation based on user inputs
* Support for GDPR, CCPA, LGPD compliance
* Downloadable policies in plain text
* Modern, responsive UI with dark mode and effects

**7. Conclusion**

The Privacy Policy Generator simplifies the creation of legally compliant privacy policies through a modern and secure web application. It is especially useful for small businesses and individual website owners, offering them a free and user-friendly alternative to legal consultations.