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SINGLE SIGN ON WALLET

THE GATEWAY TO A SEAMLESS AND SECURE
DIGITAL EXPERIENCE!

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SINGLE SIGN ON WALLET AS A SERVICE

KEY FEATURES

GLASS introduces a versatile single sign-on wallet for aggregating personal documents like digital ID, passport, certificates, etc. This platform manages user transactions across various services delivered through custom Distributed Applications within GLASS' ecosystem. The wallet grants citizens control over shared information, promoting user-centric data ownership. The Wallet revolutionizes public bodies' internal protocols and interactions, fostering a direct, authority-free digital engagement.

	<p>User-Centric Data Ownership</p> <p>The GLASS Wallet empowers citizens with control over shared information, promoting a user-centric approach to data ownership.</p>
	<p>Decentralized Digital Engagement</p> <p>Revolutionizing internal protocols and interactions, GLASS fosters a direct, authority-free digital engagement path with public bodies.</p>
	<p>Cutting-Edge Technology</p> <p>A secure mobile application accessible via browser. It incorporates Single Sign-On features, Key Sharding algorithm for recovery, Data Sharing, Key, DID, & Evidence Management.</p>
	<p>Comprehensive dApps Ecosystem</p> <p>A robust ecosystem of Distributed Applications (dApps). This integrated environment enforces permissions between dApps and provides access to Native APIs.</p>

DEMONSTRATORS

The Demonstrators have been crafted to facilitate users through the Glass Wallet's functionalities with a step-by-step walkthrough of three compelling scenarios.

- ✓ **DEMONSTRATOR 1**

Demonstrator 1 unfolds the story of Alice landing a job in Portugal, showcasing how Glass Wallet streamlines bureaucratic processes for citizens, businesses, and public administrations, fostering smoother transitions into the EU Digital Single Market.
- ✓ **DEMONSTRATOR 2**

Demonstrator 2 introduces Konstantinos, a 60-year-old disabled man, illustrating how Glass Wallet simplifies travel-related bureaucratic processes for citizens with disabilities, making short or medium-term stays more accessible.
- ✓ **DEMONSTRATOR 3**

Demonstrator 3 follows Helin, a newly hired Java Developer, demonstrating how Glass Wallet enables citizens to carry verifiable evidence of their educational achievements in digital wallets, simplifying the validation process for formal education credentials.

GLASS WALLET

WHY IT IS NEEDED

- ✓ **Multifunctional Single Sign-On:** Manage transactions seamlessly across multiple services.
- ✓ **User-Controlled Information Sharing:** Decide what information to share, with whom, and when.
- ✓ **Authority-Free Digital Interaction:** Engage without central authorities, ensuring user ownership.
- ✓ **Inclusive Accessibility:** Accessible to all communities, including the elderly, people with disabilities, and migrants.
- ✓ **Known/Accessible Only to the User:** Prioritize user privacy and data security.
- ✓ **Bypass Bureaucracy:** Streamline processes for simplicity and efficiency.



TECHNOLOGY STACK

- **Standard Tech Stack:** JS, HTML, CSS.
- **Blockchain Implementation:** Hyperledger Fabric.
- **CI/CD Engine:** Gitlab CI.
- **Blockchain Agnostic Framework:** OpenDSU
- **Frameworks:** Ionic Framework, Capacitor, Stencil.

KEY CONCEPTS

<p>OPENDSU FRAMEWORK</p> <p>Open-source framework for decentralized access control and self-sovereign applications.</p>	<p>BLUEPRINTS</p> <p>Schemas defining data properties, values, types, and business rules for effective data management.</p>	<p>EVIDENCE TYPES</p> <p>A diverse range of supported evidence types, maintaining agnosticism while ensuring common characteristics.</p>
<p>GLASSDID</p> <p>A special DSU representing the GlassDID structure, incorporating public keys and validating permissions.</p>	<p>EGOVERNANCE</p> <p>Extending government infrastructure for two-way integration, facilitating data translation and interaction.</p>	<p>TRUST HIERARCHY</p> <p>Enforcing a trust hierarchy for verifying and validating DIDs, allowing for revocation and updates.</p>



Single Sign-on eGovernment paradigm based on a distributed file exchange network for Security, transparency, cost effectiveness and trust

GLASS puts the individual at the heart of controlling their own relationship with government & business

GLASS introduces an advanced e-government solution aligned fully with the EU eGovernment Action Plan 2016-2020 and the EU Digital Single Market strategy.

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GLASS SUPPORTS THE FREE MOVEMENT OF CITIZENS & BUSINESS

Free movement of EU citizens is a fundamental principle of the Article 45 of the Treaty on the Functioning of the European Union and developed by EU secondary legislation and the Case law of the Court of Justice.

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