Go to next item

Latest Submission To pass 80% or Grade received 100% Grade 100% higher 1. Which of the following best describes an *identifier*? 1/1 point O An identifier is inalienable; no one can steal it, and it can't be separated from you O An identifier represents the whole of us; it is not simply endowed at birth, it is endowed by birth. An identifier is what a centralized system uses to grant us access to their services All of the above ✓ Correct A username and password is one common example. 2. What is/are the problem(s) with using a birth certificate as an overarching record of existence? 1/1 point A birth certificate must be created and verified by a licensed hospital or midwife, yet one quarter of all births go unrecorded worldwide. Children without a birth certificate can have trouble getting an education or health care. Adults without a birth certificate may not be able to inherit property, vote in elections, claim refugee status, obtain a passport, bank account, or even work. All of the above ✓ Correct All of the above statements illustrate the problems with using a birth certificate as an overarching record of existence. 1/1 point 3. India developed a digital ID for every resident called the Aadhaar. What was problematic about its implementation? The number of residents who received an Aadhaar was very low. The Aadhaar had a negative impact on India's economy. All of the Aadhaar's demographic and biometric data was stored in a centralized database, which was hacked. The Aadhaar was not aligned with the UN's Sustainable Development Goals for identity. ✓ Correct This hack exposed ~1 billion records. 4. What is/are the problem(s) with storing identifiers in a centralized system? 1/1 point A system administrator can freeze access, change the terms of use, or delete our identifiers altogether. O Porting our data from one system to another can be complicated and expensive. O If a privacy violation occurs (e.g. a hack, identity theft) the responsibility falls on us to deal with the consequences All of the above ✓ Correct All of the above represent problems with storing identifiers in a centralized system. 5. Which of the following should **not** apply to the design of an "identity commons?" 1/1 point It must create an inseparable link between data rights and the actual data. It must be free of control from any corporation, government, or other third party. It must outlive its users. It must enforce the right to be forgotten. **⊘** Correct An identity commons should separate data rights from the actual data. 6. What does it mean for an identity system to be "self-sovereign?" 1/1 point O That your personal information is distributed across a peer-to-peer network That the data you create, and all related rights of privacy, are under your individual control That your personal information can be ported from one centralized system to another That your personal data cannot be monetized **⊘** Correct This is what it means for an identity system to be "self-sovereign." 7. Which of the following describes a protocol for verifying that x is true, without knowing what x is or who it 1/1 point involves? Open ID public key infrastructure o privacy by design zero-knowledge proof A zero-knowledge proof is a protocol for verifying that x is true, without knowing what x is or who it involves. 8. What is/are the function(s) of a proxy contract in a blockchain-based identity system? 1/1 point A proxy contract enables users to sign and verify an action, transaction, or claim. A proxy contract can interact with other smart contracts on a blockchain. A proxy contract can grant others temporary permission to read or write one of our data files. All of the above All of the above are functions of a proxy contract. 9. What is/are the function(s) of a controller contract in a blockchain-based identity system? 1/1 point A controller contract contains logic for identity recovery, separating one's cryptographic keys from their proxy contract. A controller contract enables two or more parties to work together on a computation while keeping each users' inputs private. A controller contract is a private information retrieval scheme used in highly regulated industries, such as health care. All of the above ✓ Correct This is the primary function of a controller contract. 10. Which of the following is a proposed standard for blockchain-based identity on the Ethereum network, issued by 1/1 point Fabian Vogelsteller?

O DID

ERC 20

ERC 725

O ID 2020

✓ Correct ERC 725 stands for "Ethereum request for comment, issue 725."