1) Cryptographic primitive: Digital signature schemes

2) Implementation Usage:

Choice criteria -> Digital Signature schemes V	Security Assumption	Runtime	Key and signature size	Quantum computing safety
Hashed RSA	RSA + Random oracle	Efficient	Short 1024	Not safe
Schnorr	DL	Efficient	Short 256	Safe
DSA	Related to DL over Zp	Efficient	Short 2048	Not safe
EC DSA	Related to DL over EC	Efficient	Very short 256	Not safe
Tree-based Lamport	One-way Hash Functions	Very efficient	Very short 256 (256*256)	
El-Gamal		Less efficient	1024 bits +	Not safe
DSS			256	Not safe
ED DSA			128 or 256	Not safe

DSA based on el-gamal
https://www.etsi.org/images/files/ETSIWhitePapers/QuantumSafeWhitepaper.pdf

3) Questions and implementation: python code

4) Evaluate:

5) Presentation:

OTHER:
https://towardsdatascience.com/a-guide-to-decision-trees-for-machine-learning-and-data-science-fe2607241956
https://www.youtube.com/watch?v=myJ36xIR7Yg
https://drive.google.com/drive/folders/1pRbBWBwsmHUgOvldxSn4NiC-U4o3DKnC
https://docs.google.com/presentation/d/1dPCTmtFK7ngGIUdAb-ZzRsWnvBK0iTwALx4F0SuWyZc/edit#slide=id.gd6dc3a5414_0_304

https://shibboleth.nyu.edu/idp/profile/SAML2/Unsolicited/SSO?execution=e3s1
https://stackoverflow.com/questions/613183/how-do-i-sort-a-dictionary-by-value
https://www.w3schools.com/python/trypython.asp?filename=demo_dictionary_brand
https://www.w3schools.com/python/python_dictionaries.asp
http://www.compciv.org/guides/python/fundamentals/dictionaries-overview/
https://shibboleth.nyu.edu/idp/profile/SAML2/Unsolicited/SSO?execution=e1s1