**Authentication**

Public – Private Key Encryption (Asymmetric)

Public-private generator from scratch

Public-private generator using library

Junit using library

Create a CA

X.509 spec

Certificate chains

Considerations of being a CA

* Secure store
* Confidentiality
* Trust
* Reliability
* What security measures in place
* Context of book

**Authorization**

TODO

Insall OpenAM

Compare our homegrown IDM with OpenAM

JWT