Chap: 11

1. Client, Authorization Server, Business Logic Server.
2. SMS Service Providers 🡺 AWS SNS, Twillio
3. MFA (Multi-Factor Authentication) 🡺 Okta
4. Token = Access Card 🡺 UUID, Sticker, JWT
   1. horizontal scaling
5. Base64 encodings.
6. JJWT 🡺 Java Json Web Token Library.
7. Symmetric key, Asymmetric key pair.
8. Spring Data JPA, JPA Entities, repositories.

Chap: 09

1. Filter, Filter Chain.
2. Authentication Filter.
3. Authentication Manager.
4. HttpFilter, HttpFilter Custom Filter, Http Request, Http Status
5. Authentication and Authorization architecture
6. **Filter Names**:
   1. BasicAuthenticationFilter.
   2. CsrfFilter: Protection
   3. CorsFilter. Authorization Rule.
7. Filter Order#.
8. secrets vault
9. asymmetric keys, symmetric keys
10. 3Rd party Authentication Server, Multi-factor Authenticator.
11. **Authentication Provider App** 🡺 Google Authenticator.
12. **Classes & Interfaces**
    1. HttpServletResponse.SC\_BAD\_Request.
    2. Filter (Interface).
    3. ServletRequest, ServletResponse, HttpServletRequest, HttpServletResponse
    4. HttpSecurity
    5. OncePerRequestFilter, GenericFilterBean