

Information Systems Security

Exercise Set 3

In order to solve the following problems all technologies are allowed.

1. Using your favourite web technology create a web application where a simple role-based access control is implemented (minimum 6 users and 3 roles). Make sure that the recommended by the vendor pattern is applied.

Extra points: implement the possibility to authenticate by using client digital certificates

[4+2p]

2. Prepare a sample web application with 2-factor authentication based on Google Authenticator (or any other similar service).

[3p]

3. Prepare a sample application of applying CAPTCHA (preferably Google reCAPTCHA).

[3p]

Pawel Rajba