

System and Network Hacking Web Project Specifications 2023-24

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Version: 2023-12-04

Secure Book Selling Website



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- Users log in with username/password credentials (use HTTPS to protect them)
- Self-registration: users are asked to choose their username and password
- Password change: users can change their password
- Account recovery: users can recover their account in case they forget their password

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- Shopping cart: users can collect a number of items for successive purchase, also *before* authentication
- Order placing: users follow a multi-step procedure by providing credit-card info, shipping info, and then clicking on «BUY BOOK!»
 - Payment is simulated and always succeeds
- After having placed the order, users can also download the electronic version of the book

Secure Book Selling Website



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- Log: security-critical events must be logged, to enable post-incident investigation
 - You can use any PHP library you want to keep logs

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- For the development it is possible to use:
 - PHP (no frameworks, just basic PHP)
 - SQL
 - Javascript (no frameworks, just basic Javascript)
- Project must be developed in groups of *three* students, possibly from mixed courses (LM CE/AIDE, LM Cybersecurity)
- Project must be reviewed and discussed with me during an online reception
 - Send me a Teams message to fix the reception
 - After the discussion, if everything is ok you can access the oral exam