

Design and Development of Secure Software

DESIGN AND DEVELOPMENT OF SECURE SOFTWARE

Support to Assignment #2

2018/2019
Masters in Informatics Security
DEI-UC

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SQLITE ON JAVA

1. Add the required libraries to the project
 - Not using maven:
 - Download jdbc driver: <https://bitbucket.org/xerial/sqlite-jdbc/downloads>
 - Add it to your project
 - Maven: just add the dependence
2. Find 2018_ddss_assignment2.db in the materials
 - Contains 3 tables: users, messages and books
 - Copy the file to a new folder in the project
 - Keep the original somewhere for backup
 - Use the lines of code below to create a connection

```
Class.forName("org.sqlite.JDBC");  
connection = DriverManager.getConnection("jdbc:sqlite:" + DB_FILE_ABSOLUTE_PATH);
```

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2

SQLITE ON PHP

- SQLite3 extension is enabled by default as of PHP 5.3.0

- <http://php.net/manual/en/book.sqlite3.php>

- Example

- From: <http://php.net/manual/en/sqlite3.query.php>

```
<?php  
$db = new SQLite3(DB_FILE_ABSOLUTE_PATH);  
$results = $db->query('SELECT bar FROM foo');  
while ($row = $results->fetchArray()) {  
    var_dump($row);  
}  
?>
```

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3

DATABASE TABLES

- user: nuno, pass: nunopass
- Passwords hashed with SHA-256(salt+passpepper)
 - pepper: ddss_peper
 - <https://blog.filippo.io/salt-and-pepper/>

users
username
password
salt

messages
message_id
author
message

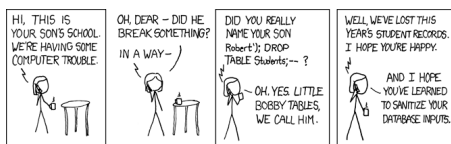
books
book_id
title
authors
category
price
book_date
description
keywords
notes
recommendation

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4

QUESTIONS?



<http://xkcd.com/327/>

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5