CPS 475/575
Secure Application Development

Lecture 23 – Input Validation - Final Project Tutorial 1 & More security topics

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Today's Agenda

- Adding new records to the database:
  - Final Project Tutorial 1
    - User registration
- Input Validation
- More Security Topics
  - Other Database Security Issues & Common DBMS Vulnerabilities
  - Type checking
  - Programming Flaws
  - Integer Errors
  - Static Analysis

Review: The current login system

- `form.php`: users provide username/password to login
- `index.php`: gets username/password from `form.php` and connect to the database to check the account
  - Set the session is logged if the account is valid and display the home, otherwise, alert and redirect to form.php
- `logout.php`: clear the current session to log the user out
- `session_auth.php`: check to ensure the session is logged, otherwise, redirect to `form.php`
- `database.php`: connect to the database and provide database functions
- `changepasswordform.php`: logged-in users can request to change the password
- `changepassword.php`: get the new password from the logged session to change the password of the current user