

CHAPTER 4



Secured User Interfaces

“All great ideas look like bad ideas to people who are losers. It's always good to test a new idea with known losers to make sure they don't like it.” —Dilbert 11/18/97 (<http://dilbert.com/strips/comic/1997-11-18/>)

Chapter Objectives/Student Learning Outcomes

After completing this chapter, the student will be able to:

- Explain why user input must be validated in the interface and business rules tiers
- Explain why user input must be filtered in the business rules tier
- Use HTML5 code to validate user input
- Use JavaScript code to validate user input
- Use PHP if statements (conditional statements) to validate and filter input
- Use the foreach loop to dynamically create an HTML select box from an XML file
- Use simple arrays for filtering and validation
- Pass simple arrays into methods (functions)
- Understand how to use dependency injection to control code version changes

Electronic supplementary material The online version of this chapter (doi:[10.1007/978-1-4842-1730-6_4](https://doi.org/10.1007/978-1-4842-1730-6_4)) contains supplementary material, which is available to authorized users.