

Software Verification & Validation

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Assignment #1

Adapted from work by Peter Heusch

Exercise 1.1: Terminology

For each of the pairs of concepts listed below, explain differences and similarities. When do we use/need one and when the other?

- Software Testing—Debugging
- White Box Testing—Black Box Testing
- Safety—Security
- Defect—Failure in IEEE nomenclature
- Defect—Failure in Zeller's nomenclature