Topic #2 –
Why Do We Need Software Testing?

Instructor: Jerry Gao, Ph.D., Professor
San Jose State University

Topic #2 – Why do we need Software Testing?

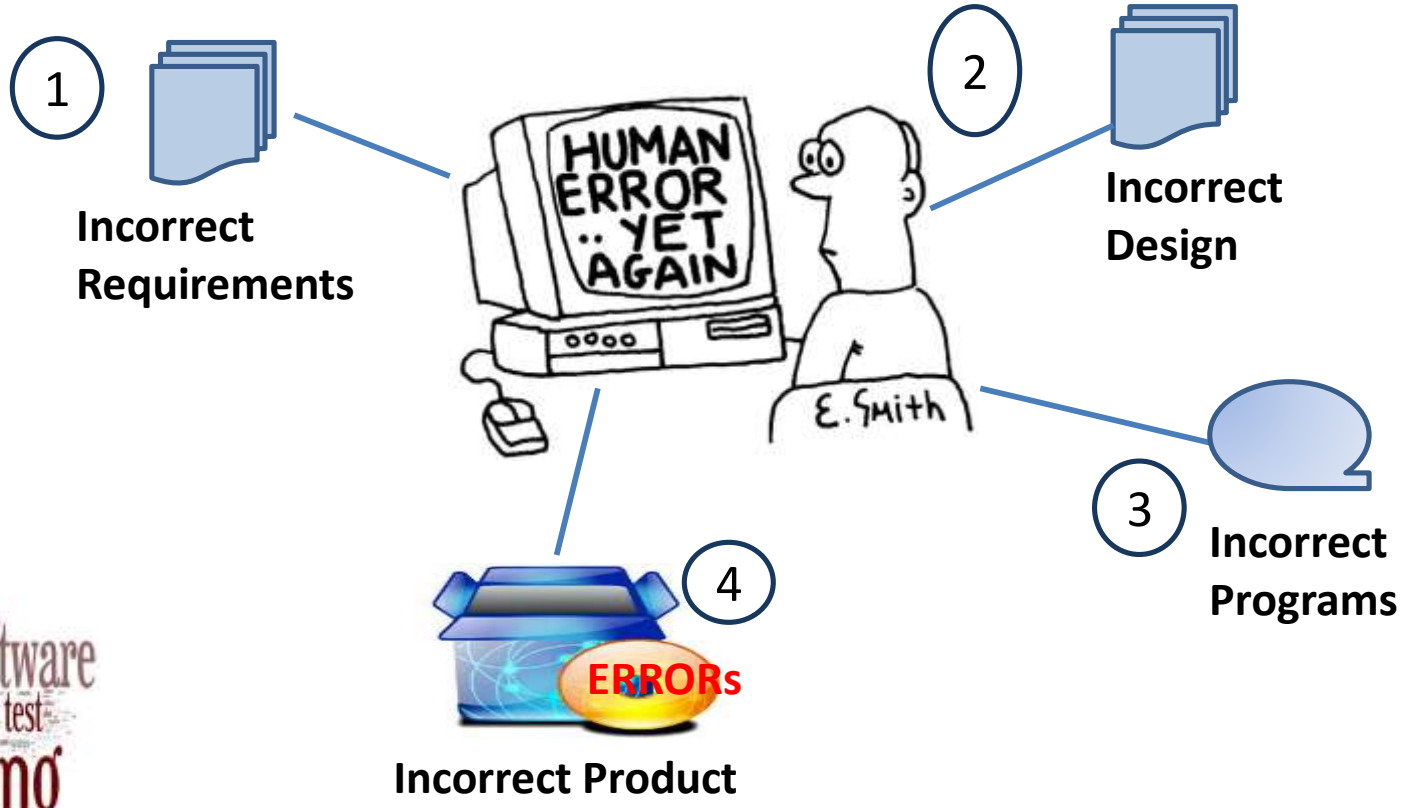
Why Do We Need Software Testing?

Basic Needs for Quality Software Testing

Software Testing Limitations

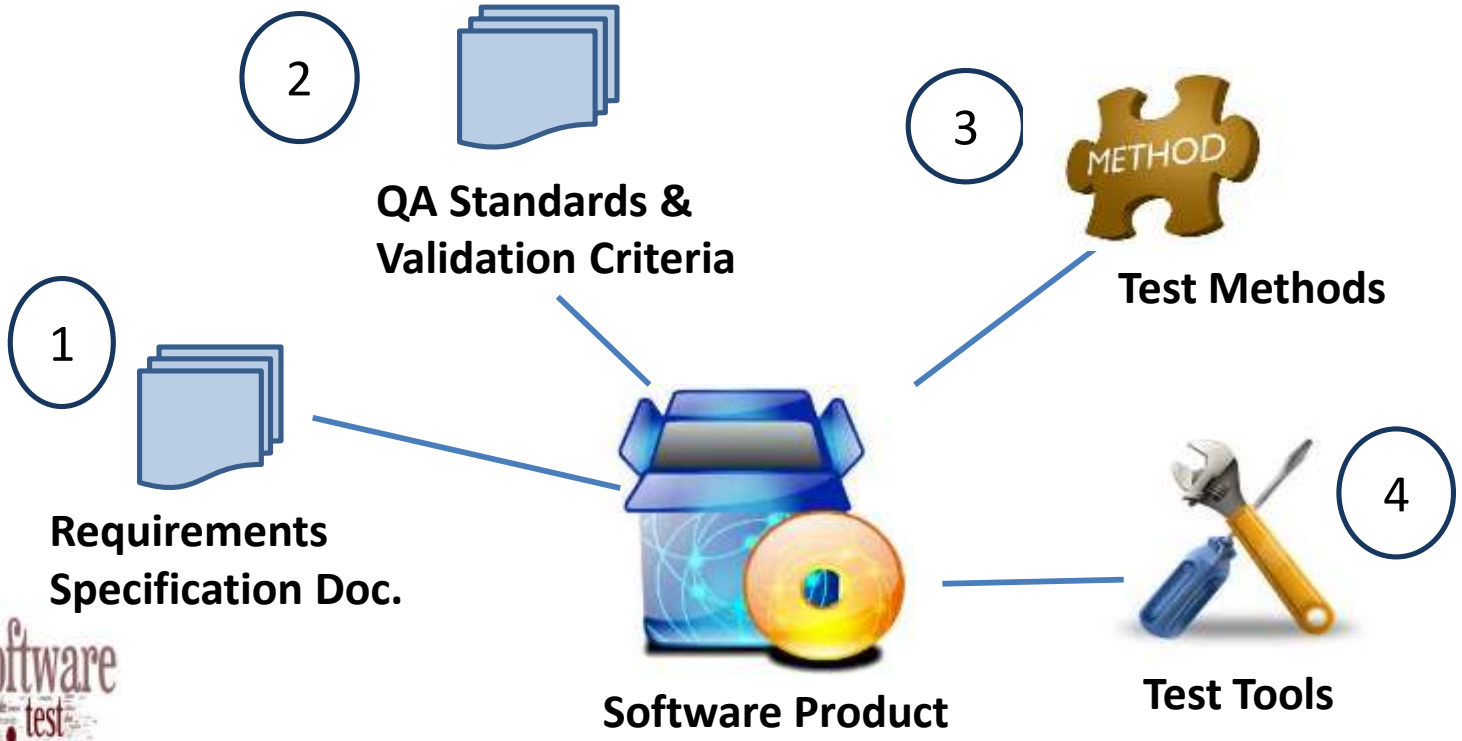
TOPIC #2 – WHY DO WE NEED SOFTWARE TESTING?

Why Do We Need Software Testing?



TOPIC #2 – WHY DO WE NEED SOFTWARE TESTING?

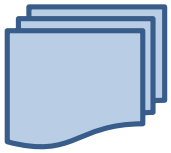
Basic Needs for Quality Software Testing



TOPIC #2 – WHY DO WE NEED SOFTWARE TESTING?

Software Testing Limitations

2

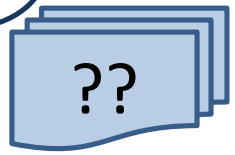


Engineer Limitations

3

Test Tool Limitations

1



Requirement Correctness and Completeness ??

4

Budget & Schedule