

## The Triangular Life Cycle Model

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### Outline

- The waterfall life cycle model
- The triangular life cycle model
- Using the model to improve software quality
- Conclusion



#### First..



...the waterfall life cycle model is based on...

Initial Intermediate Final

... the project life cycle ...





# There are many problems with the waterfall life cycle model







#### The Triangular Life Cycle Model

✓ Product vs. project life cycle
✓ Quality vs. project priorities
✓ Views of quality vs. Gantt charts



#### **The Product Life Cycle**





Nothing lasts



#### **Quality Management Priorities**









#### **The Reasons For Gaps**

"Gap Gap. Understand the user's needs "Voice of the customer" Follow the "Gap specification "Voice of the

process"

I'll know it when I see it "IKIWISI"













#### **Closing the "Gaps"**















#### **The Testing Region**







#### Closing the Gaps With Configuration Management





















Closing the Gaps With Process Improvement





#### **Closing the Gaps With Process Improvement**



Quality



#### **"Triangular" Maturity Models**





#### Conclusion







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