# Thoughts on Software Process

## by
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# Topics

- Factors Affecting Software Process

# Breadth of Distribution

- Personal Use

- A Few Friends

- Company Wide

- Intranet/Internet site

- A Few/Many Large Customers

- Shrink Wrap

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# Developer

- Personal

- IT Department
    - Build for internal use

- Engineering
    - Build for sale

# Type of Software

- Systems Software

- Business Software

- Shrink-wrap Software

# Impact of First Defect
## - Stakes -

- Whoops – just kidding / Not serious

- Irritated users

- Financial Loss
  - Small – Quicken
  - Large – Financial trading, company financials, forecasting

- Loss of Critical Infrastructure
  - Utilities / Phone Systems

- Loss of Life

- Loss of Many Lives
  - ATC
  - Nuclear Missile Guidance

# Cost of Defect Repair

- Hand distributed

- Web site

- Multiple copies
  - 10's, 100's or low 1000's
  - Shrink wrap – tens to hundreds of thousands

- Embedded
  - Single copy
  - Multiple copies

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# Deployment

- Interactive

- Web-based

- Application

- Batch Processing

- Embedded/Control

# Stage of Company

- Does not apply to "personal use"

- Startup

- One shipping product

- One product with customs mods for customers

- Multiple shipping products

- Multiple products each with customs mods for customers

- Multiple divisions with shipping products

# What Else?

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