Rock Solid Technologies, Inc. Eng. Ángel L. Pérez Galarza Vice President



Software Engineering in Puerto Rico





Rock Solid Technologies <u>www.rocksolid.com</u>

- Software development and implementation firm
- About 50 Colegiales
- 100+ team members







B tras a trase

Contact Info

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Software engineering definition

 ... is concerned with software systems which are built by teams rather than individual programmers, uses engineering principles in the development of these systems, and is made up of both technical and non-technical aspects...

What is software?

Programs
Documentation
Manuals
Help files
Licenses



What is software engineering – my version?

- Marketing
- Proposals
- Economic Analysis
 ROI
 TCO
- Sales
- Legal Contracts
- Licensing
- Requirement Definition
- Prototype
- Risk Management

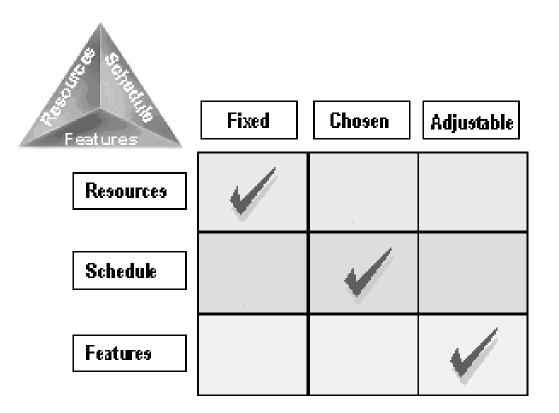
- Design
- Coding
- Testing
- More testing
- Training
- Implement
- On-site Support
- Help Desk
- Maintenance
- Enhancements
- Re-negotiate



Trade-offs Triangle



Tradeoff Matrix



Well engineered software

 Functional Maintainable • Reliable • Efficient • Appropriate user interface • User-friendly • Expert-friendly

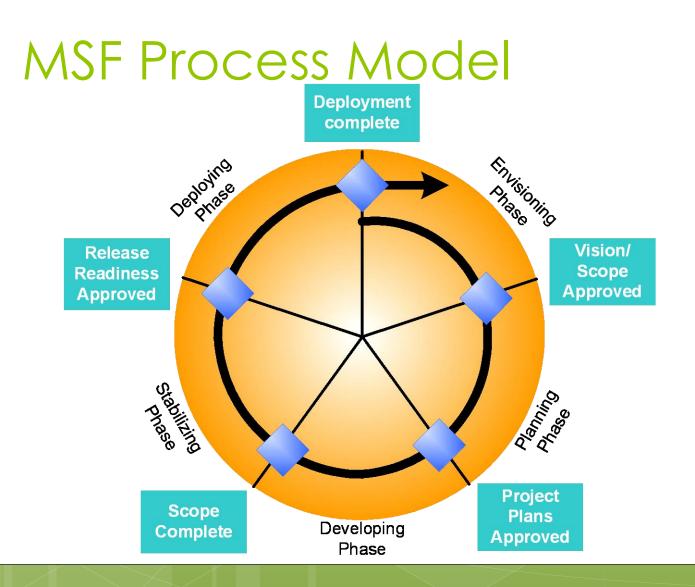
Software Models

Waterfall model
Iterative waterfall model
Prototyping

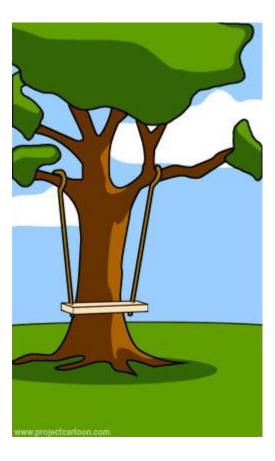
Works well for us in government

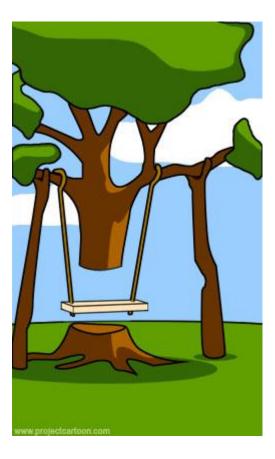
• Others



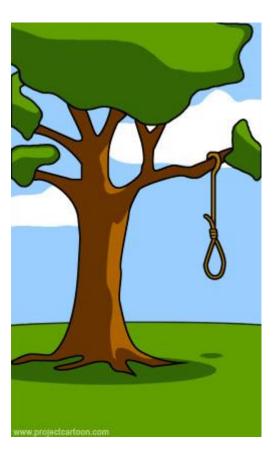




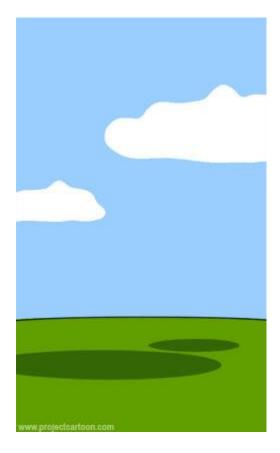


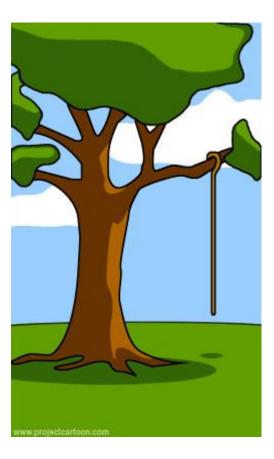


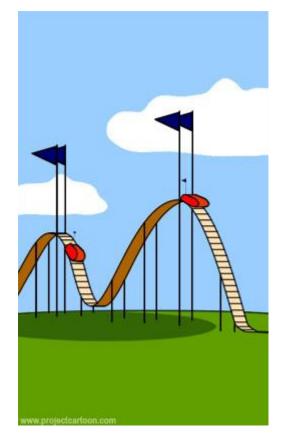


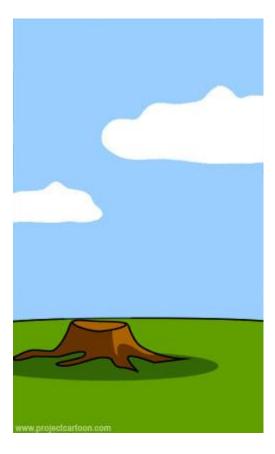


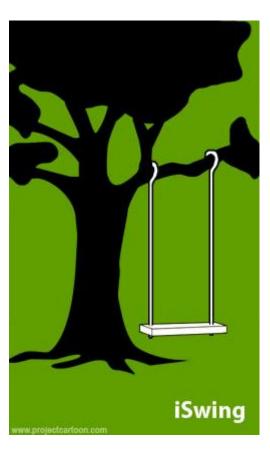
















Software Engineering here?



Or here?



Rock Solid

311 de Panama









thepowerofknowledge



How to improve your chances?

• Learn to write

- Not just software code
- Spanish and English
- Learn to listen
- Learn to speak



- Networking: Student and Business Orgs
- Focus on learning the business
- Become a well rounded professional
- Give back to your community, \$chool, etc.

oThank you!

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