

# Technology project statistics are *horrible*

## McKinsey & Oxford Uni

- 5,400 large IT projects (over 15 mil value)
- 17 percent of large IT projects go so badly that they can threaten the very existence of the company
- On average, large IT projects run 45 percent over budget and 7 percent over time, while delivering 56 percent less value than predicted

### **IBM**

- 1,500 Change Management Executives
- Only 40% of projects met schedule, budget and quality goals
- Best organizations are 10 times more successful than worst organizations



### Let's Talk

- Intellectual Property
- Quality & Testing
- Security
- Scalability



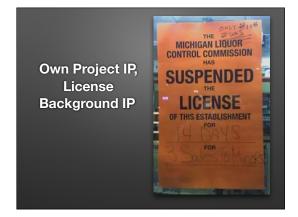


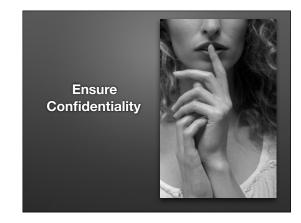


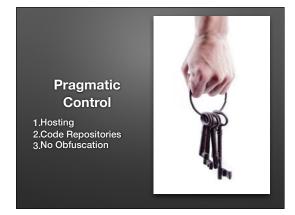


### **Key IP Concepts**

- Owning Rights
- Owning a License Worldwide, Irrevocable, Royalty Free
- Background IP
- Project IP





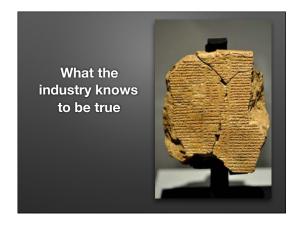












- All software has defects
- · Enhancements often add defects
- The any system of complexity cannot be held fully in the mind
- Undetected defects get more expensive to fix over time
- Testing & code reviews are our best defence

# So we need testing...



### **Automated Testing**

- Pro's
- Con's
- Fast
- High Up Front Cost
- High Reliability
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- Part of Deployment
- High op Fit
- Slows Initial Development
- Costly to maintain if change is frequent



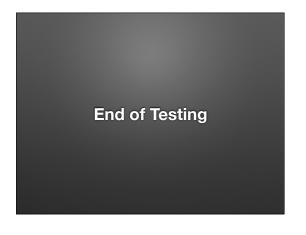


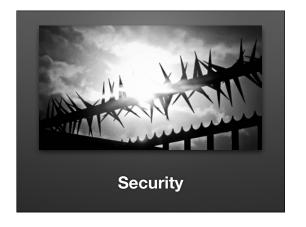
### **Key Factors to Consider**

- Likely changes to platform
- Reputational loss
- Speed to Market
- Cost over time
- Test coverage
- Client's willingness to human test



Let's Chat...

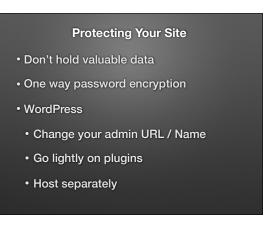












### **Protecting Your Site**

- Confirm you have working backups
- Get monitoring in place (New Relic)
- Run away from a developer who doesn't know what an SQL Injection Attack is
- If you're worried, search "[Technology] Security Checklist"















