







### Practices

- *Things we do* that carry out the principles
- Sustainable pace, stand-ups, retrospectives, co-location, adaptive planning, continuous feedback, frequent small releases, refactoring, pair programming, test-driven development, automated testing, continuous integration, Kanban, etc.



#### Principles

- Guide us when applying our values

  Welcome change, deliver frequently, work together, satisfy customer, motivated individuals, face-to-face, working software, sustainable development, excellence, simplicity, self-organising teams, reflection



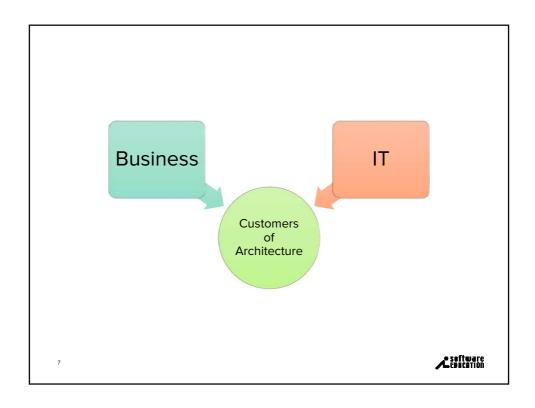
#### Values

- Characteristics that can be  $\emph{prioritised}$
- People, working software, collaboration, responding to change

Seftware Editation











Today I am more convinced than ever. Conceptual integrity is central to product quality. *Having a system architect is the most important single step toward conceptual integrity.* 

Fred Brooks

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# Humility



Humility is the embarrassment you feel when you tell people how wonderful you are.

Laurence Peter



Leaders don't see themselves as your boss. *They see themselves as your enabler.* That is, they make their own role to be the destroyer of barriers.

John Maxwell

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### **Teamwork**

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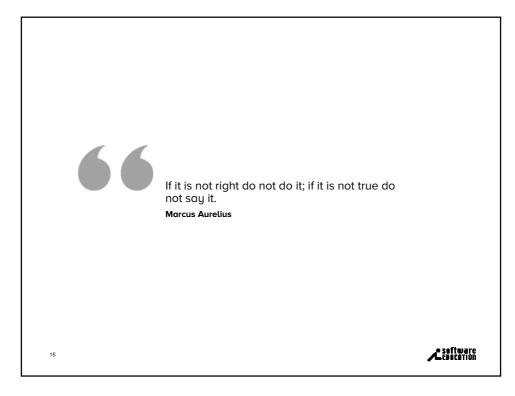


# Integrity

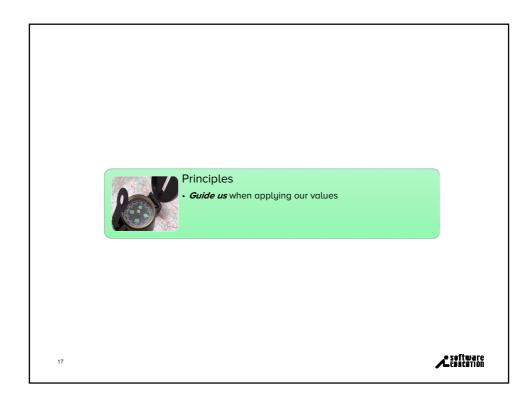


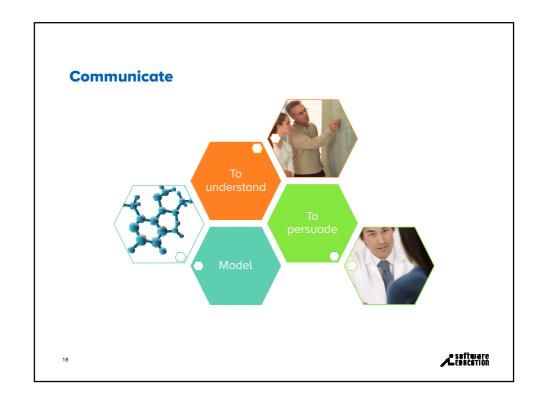
Whoever is careless with the truth in small matters cannot be trusted with important matters.

Albert Einstein

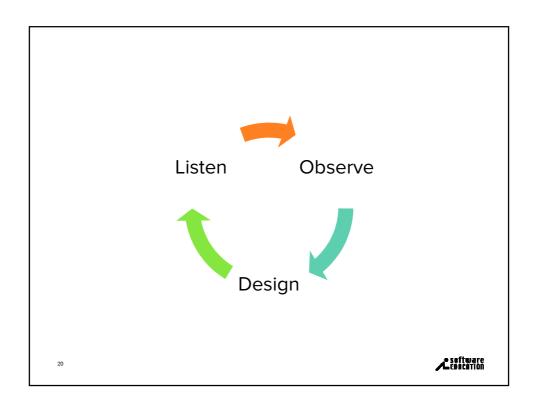
















What separates those who achieve from those who do not is in direct proportion to *one's ability to ask for help*.

Donald Keogh

# **Simplicity**



Simplicity is a prerequisite for reliability.

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Software

Model for a purpose

Patterns add complexity

Less means more





There are two ways of constructing a software design. One way is to make it **so simple** that there are **obviously no deficiencies**. And the other way is to make it **so complicated** that there are **no obvious deficiencies**.

Tony Hoare

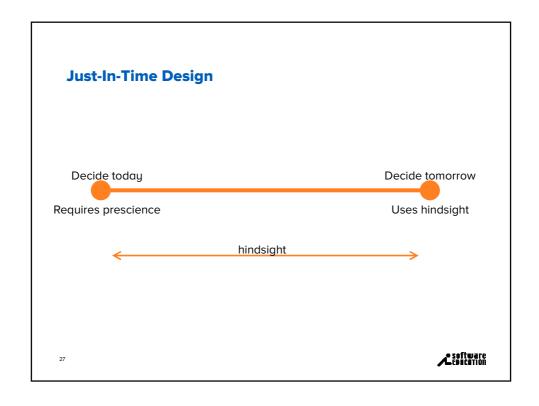
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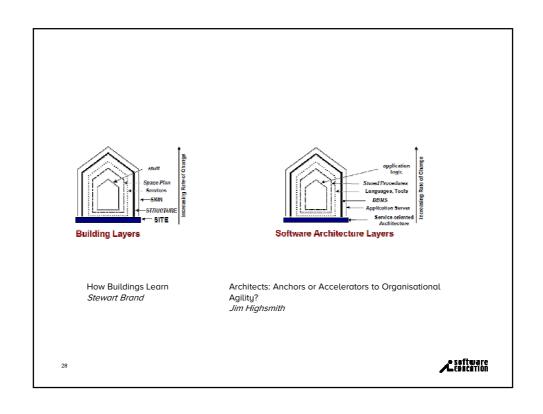


Any intelligent fool can make things bigger, more complex, and more violent. It takes a touch of genius – and a lot of courage – to move in the opposite direction.

Albert Einstein

\_\_\_software











It is insanity to continue doing the same thing over and over and expect the results to be different.

Albert Einstein

Those who do not remember the past are condemned to repeat it.

George Santayana

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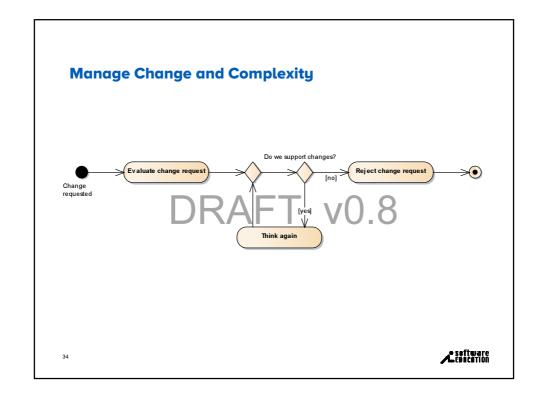


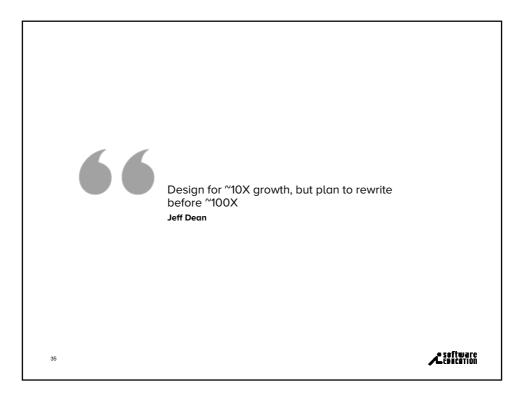


There are three kinds of men. The one that learns by reading. The few who learn by observation. The rest of them have to pee on the electric fence for themselves.

Will Rogers









### Principles

- Guide us when applying our values
   Communicate, involve everyone, simplicity, just-in-time design, deliver working solutions, keep learning, quality, manage change and complexity



### Practices

• *Things we do* that carry out the principles







# **Detailed Modelling**



The trick to forgetting the big picture is to look at everything close-up.

Chuck Palahniuk





# **Buzzword-Driven Architecture**



We're going to use microservices running with MEAN on EC2 in the cloud.



# **Perfectionism**











#### **Practices**

- *Things we do* that carry out the principles
- Anti-patterns: 30,000 feet, real-world disconnect, detailed modelling, gold plating, buzzword-driven, ivory tower, perfectionism, ego-driven, tester can't draw the design

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#### **Practices**

- Things we do that carry out the principles
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### Principles

- *Guide us* when applying our values
- Communicate, involve everyone, simplicity, just-in-time design, deliver working solutions, keep learning, quality, manage change and complexity



#### Values

- Characteristics that can be *prioritised*
- People, the big picture, humility, teamwork, integrity







Those who are possessed of a definitive body of doctrine and deeply rooted convictions will be in a much better position to deal with the shifts and surprises of daily affairs than those who are merely taking short views.

Sir Winston Churchill

