Agile Craftsmanship and Good Design

How to Get There
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Craftsmanship
Test Driven Development isn't a Decision

- yes
- no
- maybe

It's just how we write code
Continuous Integration Is the Norm
Its a people problem?
Don't get me wrong...
Craftsmanship

Develop People

Learn By Doing
Apprenticeship
MicroCertification
Journeyman
Continuous Integration

Design
Develop
Test
Release
Acceptance Tests

Automated
"Merciless" Refactoring

Refactoring
Improving the Design of Existing Code
Continuous Delivery/DevOps
Coding

```python
con = dataSources.getConnection()
connection = connection.create()(
lectSQL = "SELECT * from TABLE"
statement = statement.executeQuery()
```
Designing
Principles behind the Agile Manifesto

We follow these principles:

- Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
- Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
- Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
- Business people and developers must work together daily throughout the project.
- Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.
- The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
- Working software is the primary measure of progress.
- Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
- Continuous attention to technical excellence and good design enhances agility.

Simplicity--the art of maximizing the amount of work not done--is essential.

The best architectures, requirements, and designs emerge from self-organizing teams.

At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.
Using Tools
Establishing Work Habits
Developing Professionalism
Craftsmanship
Agile Craftsmanship and Good Design

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Thank you!
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