

Technical Debt

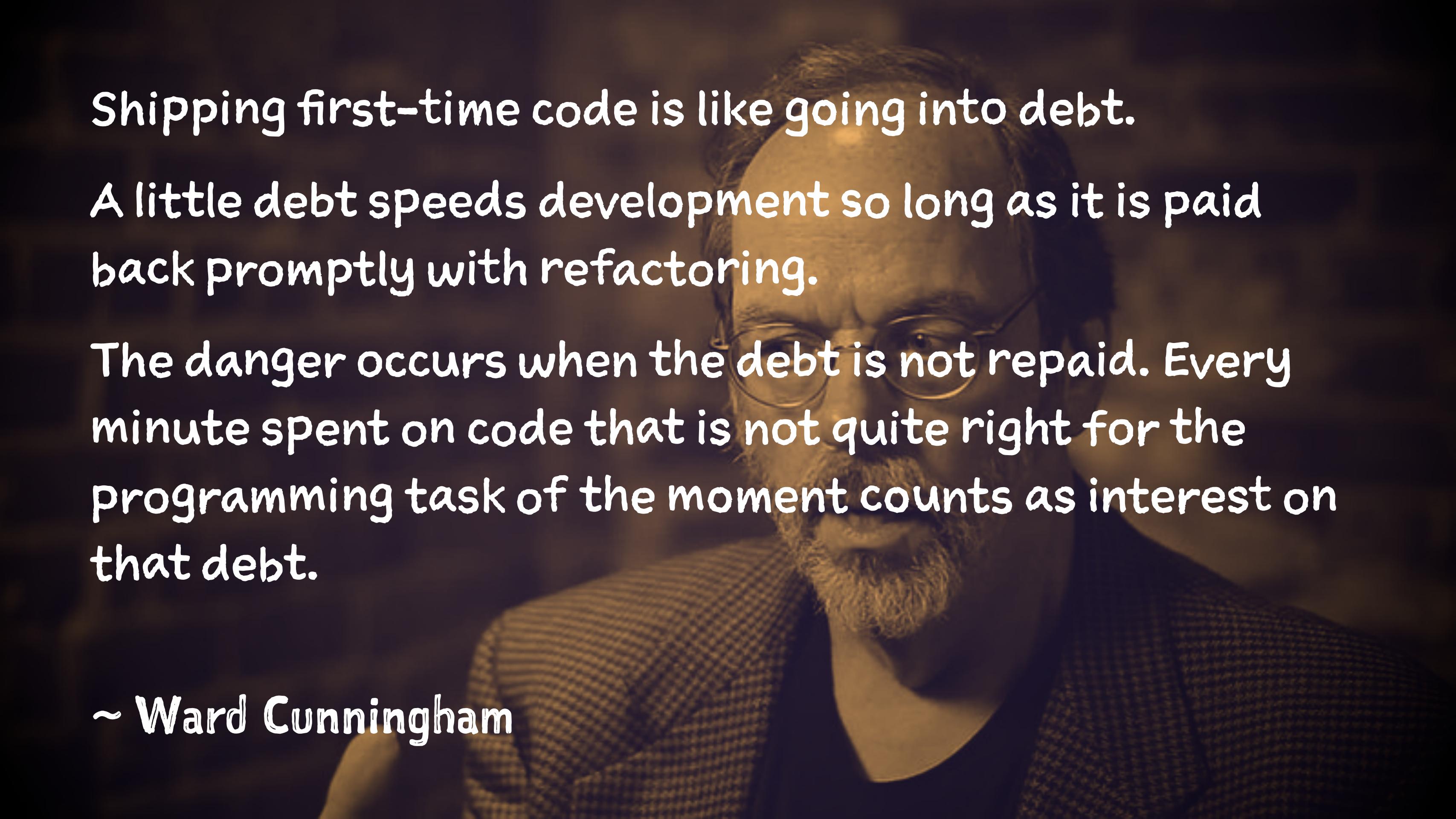
.. Building Technical Wealth..

Agenda

- What is Tech Debt? Where did it come from?
- What incurs Technical Debt?
- How to Measure Tech Debt?

A close-up photograph of a large pile of gold-colored coins, likely euro cents, stacked and overlapping each other. The lighting is warm, creating highlights on the metallic surfaces of the coins.

Technical Debt is a Metaphore



Shipping first-time code is like going into debt.

A little debt speeds development so long as it is paid back promptly with refactoring.

The danger occurs when the debt is not repaid. Every minute spent on code that is not quite right for the programming task of the moment counts as interest on that debt.

~ Ward Cunningham

Technical Debt is Good

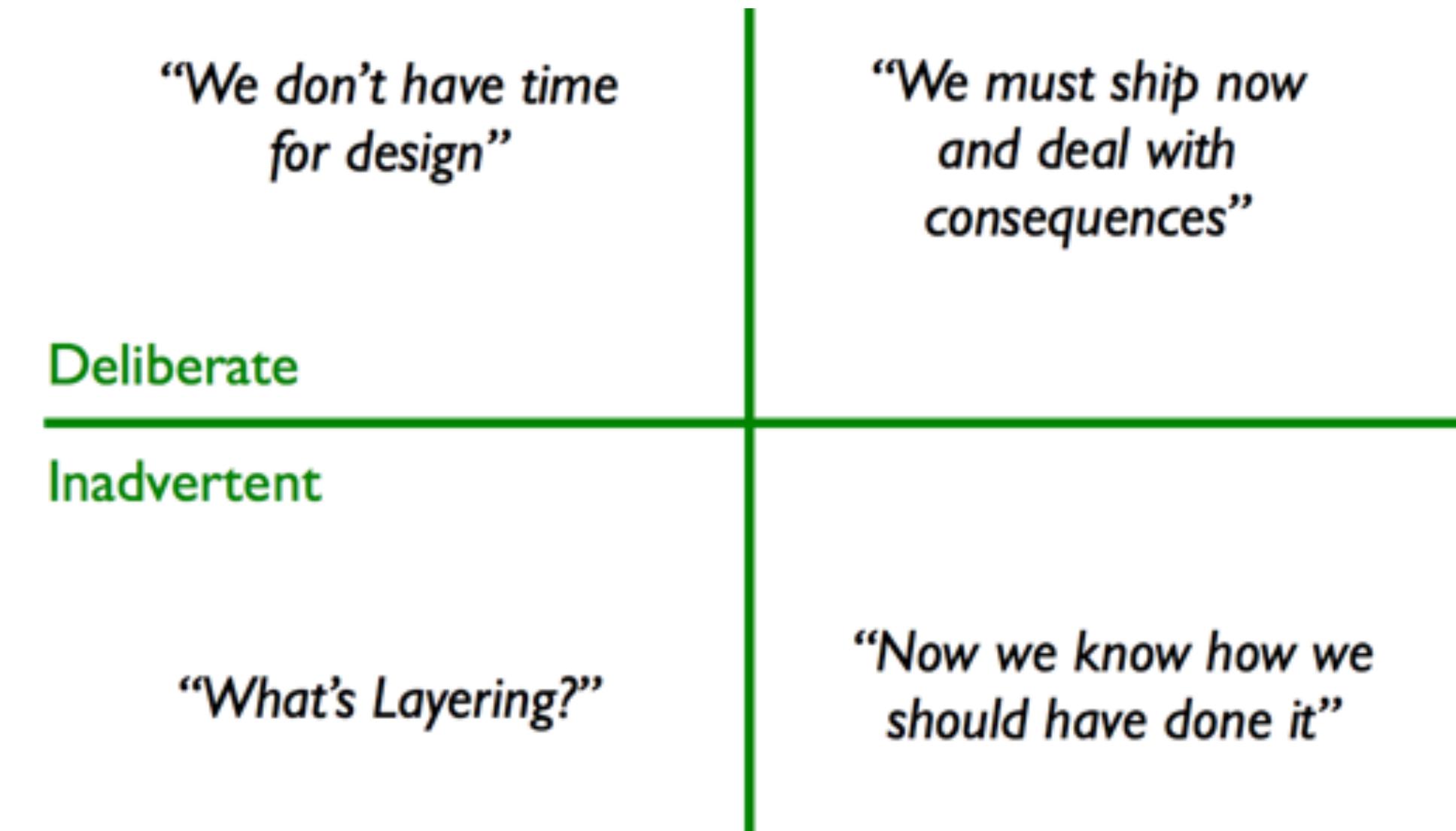
What qualifies for Tech Debt

- Is the code clean?
- Is the code tested?
- Is there a learning objective or event?
- Is there a plan for payback?
- Is the business truly informed?

*if any of the above questions is/are 'No', its not Tech
Debt; Its something else.*

Redundant, old, un used/dead or
improperly written code is not
Technical Debt

Technical Debt Quadrant



Technical Mess

- Disorderly accumulation, heap, or jumble
- A state of embarrassing confusion
- An unpleasant or difficult situation

A close-up photograph of a person's hands working on a pottery wheel. The hands are covered in clay, and the person is shaping a piece of clay into a bowl. The background is dark and out of focus.

What's the strategy ?

- Never make an intentional Mess
- Monitor your "Technical Debt"
- Follow the Boy Scout Rule
- Remember quality is your responsibility
- Never ask permission to do your job correctly

The Boy Scout Rule

Always check a module in cleaner than
when you checked it out.

What to look?

- Code Coverage
- Code Complexity
- Coupling
- Maintainability

debt - <https://www.pexels.com/photo/money-cash-euro-pay-36104/>

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look - <https://www.pexels.com/photo/person-woman-eyes-face-4636/>

<http://firstround.com/review/forget-technical-debt-heres-how-to-build-technical-wealth/>

http://programmer97things.oreilly.com/wiki/index.php/TheBoyScout_Rule