

Agile Development

What is Agile Development?

- A style of software development that aims for **speed and adaptability**
- Instead of spending months designing everything up front...
→ **Release early**, then **improve continuously**
- Focus on **user feedback**, **iteration**, and **value delivery**

A good fit for **web services**, **mobile apps**, and fast-changing markets

Why Agile?

- Traditional (waterfall) development often:
 - Takes too long
 - Delivers features no one uses
 - Misses market timing
- Agile aims to:
 - **Deliver early and often**
 - **Respond to change**
 - **Prioritize working software**

Agile vs. Non-Agile: The Car Analogy

We want to build a vehicle:

- **Non-Agile (Waterfall)**
 - Release 1: Tires
 - Release 2: Engine
 - Release 3: Steering wheel
 - ... → Finally, a car (but too late)

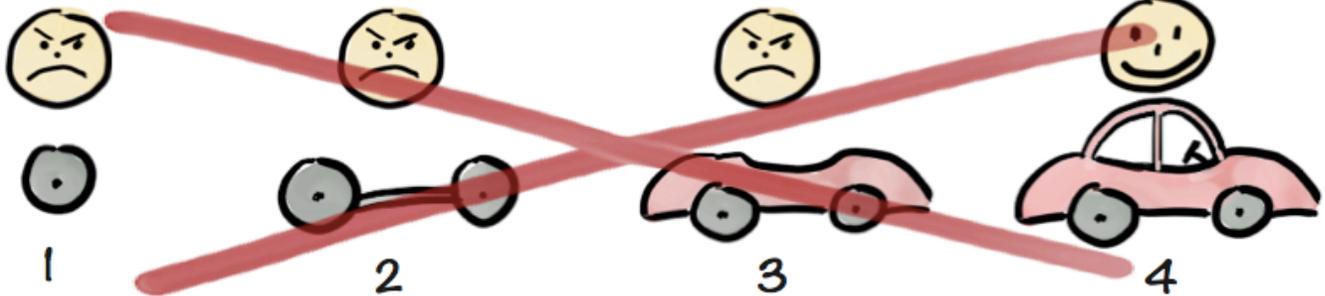
▮ No one wants just tires

- **Agile**

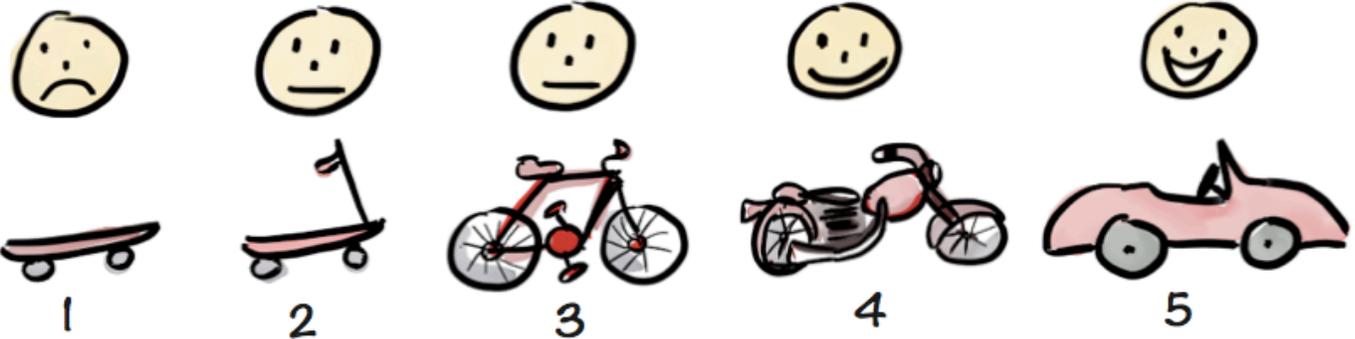
- Release 1: Skateboard
- Release 2: Bicycle
- Release 3: Motorcycle
- ... → Car (validated step-by-step)

Always deliver something **usable**

Not like this....



Like this!



Henrik Kniberg

Agile in Practice

- Work is divided into **iterations** (e.g., 1–2 weeks)
- Each iteration delivers **a working product**
- Continuous cycle of:
 - i. Plan
 - ii. Build
 - iii. Test
 - iv. Review
 - v. Improve

Summary

Agile development is a flexible and user-focused approach.
It emphasizes:

- Fast and frequent releases
- Continuous improvement
- Collaboration and customer feedback
- Well-suited for web and mobile products