

# Talking in Code: Code Review as a Form of Communication

Lisinker, R., Zieffler, A., Legacy, C.

**Students who engaged in code review reported communication and increased focus on documentation as learning outcomes.**

**Faculty involvement and encouragement was a strong predictor of whether students implemented code review within their projects, before and after code review resources were provided.**

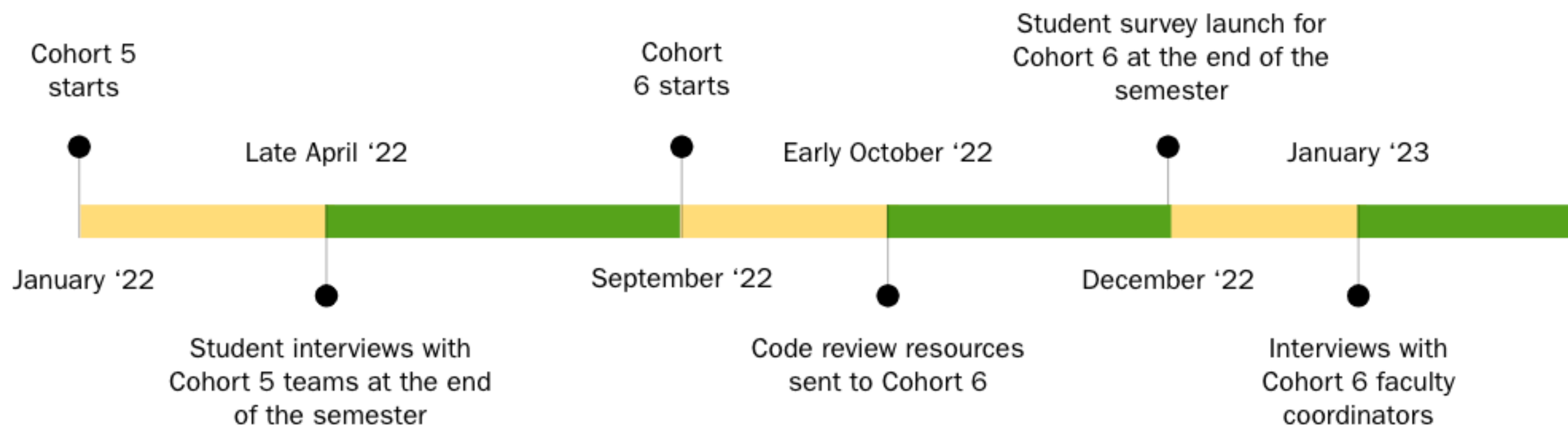
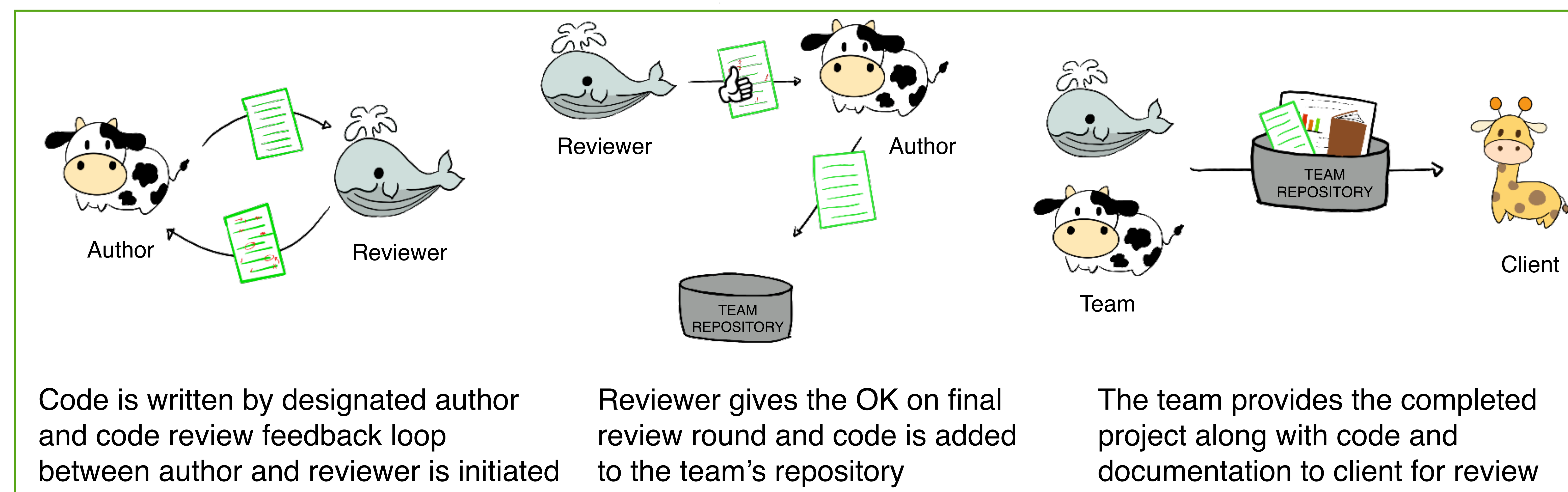
Code Review (CR) is defined as a manual and systematic line-by-line code inspection.

#### Benefits:

- Communication
- Consistent feedback loop
- Knowledge sharing
- Cleaner code

#### Challenges:

- Timing
- Establishing CR process
- Scope and tone of feedback



NSF Award Abstract # 1923700

Cartoon animals traced from: hand draw PNG Designed By 58pic from [https://pngtree.com/freepng/hand-drawn-blackboard-cartoon-animals\\_7227703.html?so=downref&id=bef](https://pngtree.com/freepng/hand-drawn-blackboard-cartoon-animals_7227703.html?so=downref&id=bef)



UNIVERSITY OF MINNESOTA  
Driven to Discover®