

Pair Programming: How it can and can't work.

Team BirdFeedr

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What's Pair Programming?

- When two programmers work at one terminal.
 - One is the driver, who writes the code.
 - The other is the navigator, who reviews the code.
 - It is encouraged that the participants switch between these roles often within sessions.

Negative Expert - Expert Scenario

- Experts choose to work independently.
- Pair programming not enforced.

Positive Expert - Expert Scenario

- Both thinking about the project at hand.
- Both talking and thinking about each other's responses.
- Explaining why they want to add what they want to add.

Negative Expert - Novice Scenario

- Novice intimidated by expert.
- Expert dominates coding session.
- Expert risks taking over for novice.

Positive Expert - Novice Scenario

- Both believe the other can bring valuable potential to the project.
- Novice not afraid to contribute.
- Expert willing to listen to novice.

Negative Novice - Novice Scenario

- Without mentor role, novices produce substandard code.
- May be too intimidated to ask for help.
- Both too afraid to admit to their own lack of knowledge.

Positive Novice - Novice Scenario

- Willing to at least try and tackle the problem.
- Listen to each other and use the others certainty levels as warning signals.
- Willing to ask for help when needed.

To Wrap Up

Scenario	When done well	When Not done well
Expert - Expert	Both experts are engaged.	Work separately, or one works and the other drifts off.
Expert - Novice	The novice has just as valid input as the expert.	The expert does all the work while the novice is pushed away.
Novice - Novice	Both novices listen to eachothers concerns and ask for help.	Neither novice acknowledges their mistakes and/or refuses to ask for help.

Thank you!

Cast:

Narrator and slide operator.....Miguel Roman
Interactive Narrator.....Thomas Macari

Negative navigatorDi Tran
Negative driver.....Wei Huang

Positive navigator.....Joshua Gillham
Positive driver.....Nathan Witt

Questions?