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CARRERA

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Pair Programming

Pair programming according to (Altvater, 2017) means that two people write code together on one machine. It is a very collaborative way of working and involves a lot of communication. While a couple of workers work together on a task, they not only write code, but also plan and discuss their work. They clarify ideas along the way, discuss approaches, and come up with better solutions.

Advantages of Pair Programming

There are some advantages that this type of teamwork offers, according to (Böckeler B, Siessegger N, 2020) these are the following characteristics:

- **Two heads are better than one.** If the driver encounters a hitch with the code, there will be two of them who'll solve the problem.
- More efficient. Common thinking is that it slows down the project completion time because you are effectively putting two programmers to develop a single program, instead of having them work independently on two different programs. But studies have shown that two programmers working on the same program are only 15% slower than when these programmers work independently, rather than the presupposed 50% slow down.
- **Fewer coding mistakes.** Because there is another programmer looking over your work, it results in better code. In fact, an earlier study shows that it results in 15% fewer bugs than code written by solo programmers. Plus, it allows the driver to remain focus on the code being written while the other attends to external matters or interruption.
- An effective way to share knowledge. Code Fellows talks about how it could help programmers learn from their peers in this blog post. It would allow programmers to get instant face-to-face instruction, which is much better than online tutorials and faster than looking for resources on the Internet. Plus, you can learn things better from your partner, especially in areas that may be unfamiliar to you. Developers can also pick up best practices and better techniques from more advanced programmers. It can also facilitate mentoring relationships between two programmers.
- **Develops your staff's interpersonal skills.** Collaborating on a single project helps your team to appreciate the value of communication and teamwork.

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Referencias:

- 1. Altvater A. (2017). What is Pair Programming? Advantages, Challenges, Tutorials & More, March 18, 2021, from Stackify. Website: https://stackify.com/pair-programming-advantages/
- 2. Böckeler B, Siessegger N. (2020). On Pair Programming, March 18, 2021, from martinFowler, Website: https://martinfowler.com/articles/on-pair-programming.html

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