

# INTRODUCTION TO PAIR PROGRAMMING



source allies

## PAIR PROGRAMMING:

An Agile technique where two programmers work **side-by-side** at one workstation. Both **collaborate** on design, implementation, code and test.

**DRIVER :** Person at the keyboard, **writing code** for the task at hand

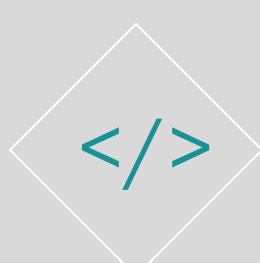
- Implement the task at hand – code, code, code
- Communicate future tasks, code cleanup or other items to backlog
- Answer navigator's questions
- Open to feedback

**NAVIGATOR:** Active **observer** & **collaborator**. Monitor the “big picture” and take notes.

- Help the driver avoid distractions
- Directs the flow of work to completion
- Listen to the driver, track tasks & review code
- Asks questions, navigates implementation and ensures best practices

## PAIR PROGRAMMING BENEFITS

### CODE QUALITY



- “Programming out loud” reveals complexities and hidden task details
- Two sets of eyes, reduces errors & tunnel vision

### COMMUNICATION



- Open communication within the team
- Encourages knowledge sharing
- Allows for transfer of techniques from experienced teammates

### COORDINATION



- Reduces coordinated efforts
- Navigator removes interruptions so the driver can focus on the task

## PAIR PROGRAMMING AT SOURCE ALLIES

At Source Allies, we believe that **pair programming** is one of the ways to **build quality software** for our partners.

Source Allies is a local technical consultancy who values **collaboration**, **craftsmanship** and an **ownership mentality**. We provide a home to our teammates where we encourage each other to grow not only technically, but as peers & consultants.



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