



# Pair Programming

## Main ideas:

- Two programmers work together, side by side in front of a single computer.
- Both collaborate together in the same design, algorithm, code or test.
- At all times there are two roles:
  - **The driver:** has control of the pen/keyboard/mouse, and actively implements the program.
  - **The navigator:** continuously and actively examines the work of the driver detecting tactical defects (syntax, coding conventions, etc.), thinking of alternatives, looking for resources, considering strategic implications of the work in progress and asking questions.
- When the pair determines it appropriate, they can carry out a “brainstorm” to jointly resolve any difficulties that arise.
- The pencil/keyboard/mouse should slide from one side to another periodically to exchange roles.
- The two programmers are equally responsible for the success or failure of the product.
- It requires more effort and concentration because the rhythm is forced by the other person all the time. Neither of the two can reduce their pace.