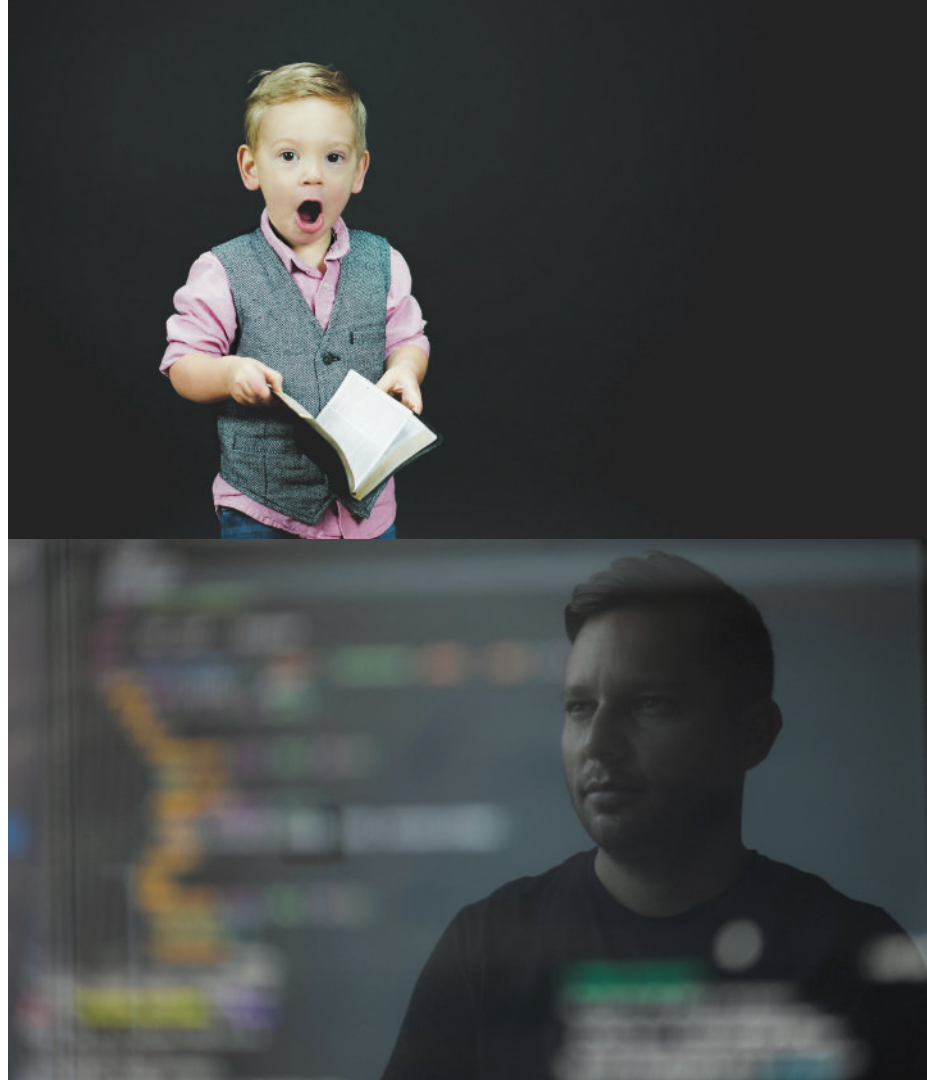# Bug Fix Rate (BFR)

Imagine you have found Bugs in your Software -You found 4 Bugs.

You decide to start fixing right away!

It is probably a smart decision to keep this action documented because you will need the data later.
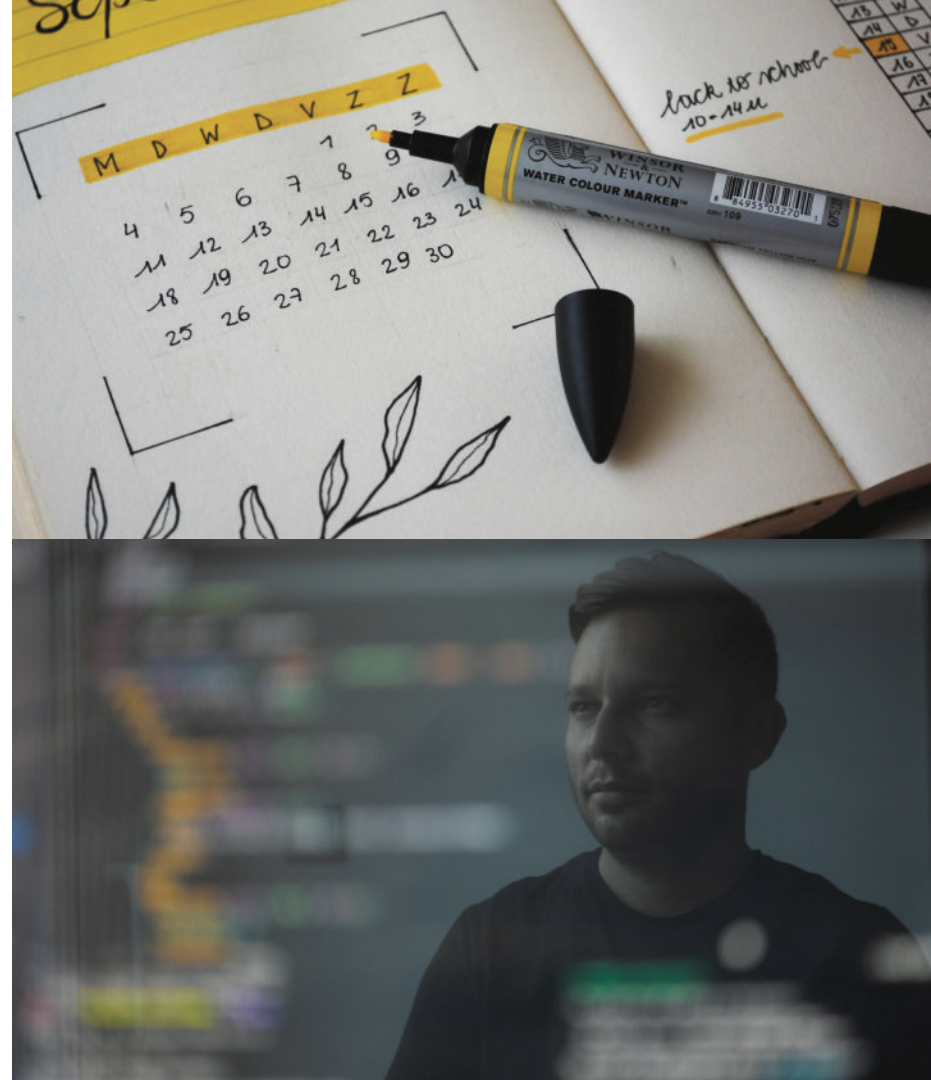
How quickly you fix your Bugs will affect the Estimates of your User Stories on the next Iteration (Sprint).

Bug Fix Rate

It has taken you one week to fix the Bugs, that means you fixed 4 Bugs in 5 work days. Now you can calculate your Bug Fix Rate (BFR).

Here's how to calculate your BFR:
    4 bugs fixed / 5 work days =
    0.8 bugs per day.

Bug Fix Rate

FAIL!

Imagine that on your next Iteration you find 9 bugs. How long would it take you to fix them?

(9 bugs)(0.8 BFR)= 7.2 days

You should start your next Iteration adjusting your User Stories to consider fixing functional Bugs. Your team's Velocity can vary, but at least now you have a realistic estimate for your Backlog.