# Extreme Programming (XP)

This is a typical Agile development framework, developed by Kent Beck, and can be adapted to development companies of various dimensions.

Extreme Programming (“XP”) methodology is based around the idea of discovering “the simplest thing that will work” without putting too much weight on the long-term product view.

It is a methodology that emphasises values such as Communication, Simplicity, Feedback, Courage and Respect, and prioritises customer satisfaction over everything else. This methodology encourages trust by motivating developers to accept changes in customer requirements, even if they arrive during the latter stages of the development cycle.

Teamwork is extremely important in XP, since, when there is a problem, it is solved by the whole team of managers, developers or customers, bringing them together to promote conversation and engagement and break down barriers to communication. They all become essential pieces of the same puzzle, creating a fertile environment for high productivity and efficiency within teams. In Extreme Programming, the software is tested from day one, collecting feedback to improve development. XP promotes activities such as pair programming, and with a strong testing component, it’s an excellent engineering methodology.

## Advantages:

1/The simplicity of the written code is an advantage since it allows for improvement at any given time;

2/The whole process and the XP development cycle is visible, creating goals for developers along with relatively rapid results;

3/Software development is more agile than when using other methodologies, due to constant testing;

Promotes a highly energising way of working;

4/XP also contributes to uplifting and maintaining team talent.

## Disadvantages:

1/The extreme focus on code can lead to less importance being paid to design, meaning that it has to get extra attention later;

2/This framework may not work at its best if all the team members are not situated in the same geographical area;

3/In XP projects, a registry of possible errors is not always maintained, and this lack of monitoring can lead to similar bugs in the future.