Agile methodologies give us a structure and principles for collaborative software development. In the 1990’s they are created by developers as a reaction to deficiency of strictly panned project where the top-down approach is assumed. They are focused on activities that directly add values to the product and so make customer more satisfied. [AGILE MANIFESTO]

Previously, software projects were guided using waterfall ideas, where the development process is divided into steps and each previous step must be finished before the next one is started. This leads to slow or impossible reaction on changes that come from customers. Product development is a continuous and long process and changes are usual thing, especially if development phase takes several years.

Here, development phase term is used for the whole product development process. In agile it is different, product creation process has as many iteration as needed. Each iteration must deliver some meaningful unit and brings benefit to the product itself, and so, each iteration has its own development phase.

Following this approach, customer actively participates in product creation, can be proactive and give suggestion before it is too late. Opposite to this, waterfall brings the valuable product to the customer after few big phases, after some long period, and changes are almost impossible. The reason why agile brings this flexibility is the fact that one single iteration is like a small waterfall. It is not same as waterfall but has some steps like it. In agile each iteration has planning, development testing and documentation phase (and more). Order of those phases is not important, they can be developed in parallel, because the only important thing is to have those small pieces of unit finished upon the end of single iteration. In waterfall, same phases exist, but they need to be executed in explicit order, and customer first touch with product is after development phase which is probably somewhere close to the end of project.

All those reasons bring agile as one of the best adopted methodologies today, especially in software development, where changes come on daily basis, and teams need to be able to adapt themselves to those changeable environment. One of the representatives of agile methodologies is Scrum, and here, we have focused to this methodology and possibilities to enhance it.