So, let’s look around our apartment: we're surrounded by plenty of indispensable devices. And ask yourself: what if it all would be connected in one network? Sounds good, right? For now, a lot of wired and wireless protocols have been invented for this purpose, but there is still no simple solution to do this.

This is an excellent puzzle for large corporations and we hardly can solve this issue too. But we, at least, can understand how it works, assemble simple device, write few lines of code and get some satisfaction, isn't it?

So, let me introduce our test site: Easy SmartHouse project, where we will be managing the network of self-made (and not only!) devices. The project is open source, totally free and not exactly in the final stage :) And it has a lot of design and code issues, which we’ll fix in future as a part of education program, as my engineering level will be rising ☺

Many things seemed to me not so obvious at a primary stage and so I will try to describe everything in detail as much as possible: how to set up git and make your own printed circuit board etc.

I will try to present the information in a meaningful and concise manner in the form of presentations and pictures with explanations where possible.