

also the way of creating solutions that are interpreted as fundamental and will not change in the future”.

So good and correct architecture based on these criteria can save a lot of time, money and other resources in the further development of the system, so it is very important to pay due attention to system architecture at the beginning of the project.

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ALTERNATIVE EDUCATION AT SCHOOL 42

“42” is the "answer to the Ultimate Question of Life, the Universe, and Everything" in The Hitchhiker's Guide to the Galaxy books, as well as the name of the Xavier Niel project, programming school, which is an alternative to the classical IT education. The first school was opened in 2013 in Paris and immediately attracted the attention of the whole world. Innovations of the school are the absence of teachers, lectures, a clear schedule, as well as tuition fees. Students find the necessary information by themselves, perform tasks and check each other. Also the moment of gaming is important – when the task is done, the level of student rises and new "achievements" on the profile in the system are opened.

Anyone who is from 18 to 30 years old regardless of education can come to the school. It is necessary to go through 3 stages of selection. The first step is test for logic and memory, second step is a personal meeting, and the third is a 4-week programming marathon for 14 hours in a day. In case of successful overcoming of these stages, the student receives the offer to complete a full course of study, duration of which is from 2 to 4 years.

Schools with this education system also exist in the Silicon Valley in the United States, South Africa, Moldova, Romania, Armenia and, of course, in Ukraine. In our country the school is called "Unit Factory", which is a part of the technological park "Unit City" that is located in Kiev. The factory was established in 2016 by "K.Find", the fund of V.Khmelnitsky. Nowadays more than 800 students are studying at the Kiev school. The first graduates are expected in the spring of 2018.

After completion of the course, students can obtain a specialist diploma in such growing IT areas as management of IT projects, software or network architecture, web development, mobile application development, IT security and video game development. Students will not find it difficult to find a job after leaving school, because in the process of studying they learn many technologies and programming languages, and most importantly they learn the skill of effective self-education. Two semiannual internships are also a plus for going from theory to practice.

An advantage of system, compare to ordinary university, is the opportunity to independently choose the schedule and rhythm of work. Schools work 24/7 and everyone can study when it is comfortable for him. In addition, students do not learn

the outdated technology, which so them often have to study at the university. Moreover, in the process of studying, students not only learn programming, but also teach others, which helps them to better understand the material. But difficulty in finding some data can be noted as a minus of a system, since there is no teacher capable to answer the question of in a several minutes. In addition, there are no lessons of subjects that related to programming, such as mathematical analysis or linear algebra, so that in order to perform certain tasks, students have to study several complicated disciplines, which are taught more quickly in an ordinary university.

As a conclusion, I can say that, in my opinion, the school 42 will give the maximum result not as a substitute for the usual education, but as an addition to it. In such case, the specialist receives both: a strong theoretical base and practical skills that facilitate further career growth in the IT field.

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UKRAINIAN ECONOMIC DEVELOPMENT: MODERN PROBLEMS

Today the economy in Ukraine remains difficult. After disintegration of Soviet Union Ukraine hasn't been able to overcome the crisis state for twenty two years. Investments had diminished in particular investments that have innovative character, and as the result Ukrainian industrial funds became physical and moral devastated. The production base and nomenclature does not have time for updating because of growing requirements. We lose scientific and technological potential which can allow us to support the competitiveness of economy because industry is an engine of it. The effective functioning of economy takes place due to determination and concordance of general interests. As a result there is the forming and concordancing ways of economic interests in the countries.

The economic problems in Ukraine are:

- a considerable debt of the state, separate industries and enterprises to the foreign countries;
- lagging of the economy sphere, which produces goods to the economical sector;
- fuel and energy dependence on Russia;
- the excessive control of the economy from the Ukrainian government;
- criminality of relations between state establishments and business, distribution between the clans of the most profitable sectors of Ukrainian economies;
- an Ukraine "isolation" from world.

The economic problems at the world level are related directly to modern economic depression which is the constituent of crisis at the degree of the global universe, co-operations between civilizations and western civilization. At the level of the country's the process of development economic improvement becomes complicated by influence of financial and economic crisis, that entailed the increase of unemployment, inflation,