

formulated command, is an important improvement. Making the computer "understand" humor as well as translation is a significant breakthrough in many aspects of man-machine interaction.

For a relatively short period of time, humanity has developed a significant area of robotics. Still there is more to come, because the plans and prospects to make our life better are boundless.

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THE PROBLEM OF LOSS OF LUGGAGE AND ITS SOLUTION

According to their statistics, every week 496,153 suitcases do not return to their owners after the flight. About 70 648 luggage are lost per day. In 2011, airlines lost 25 million bags, exceeding the number by 20% in 2010. At the same time, about 2.5% are lost or stolen on the ground. The reasons why is the baggage get lost are many, from the banal human factor to technical malfunctions in the electronic system of moving baggage.

Let's turn to the statistics because of what the luggage is lost:

1. Not docking on flights with transfers – 50%
2. The problem with tags is 15%
3. Was not taken away by the owners – 15%
4. Other reasons are 20%

Just a year ago, Apple introduced to the general public the latest in-house navigation development called iBeacon, where an interesting approach for using the new technology. Beacon in English means lighthouse. Like an ordinary beacon that sends light signals to ships so that they do not get lost, the iBeacon-beacon, which is a modern Bluetooth-device with reduced power, sends signals to smartphones that are nearby. In this way, indoor navigation, where the signal from GPS satellites is not available, is the arrangement of iBeacon beacons, and mobile applications by signal strength from these beacons accurately determine the user's location.

The Ran Mobile company, specializing in the development of mobile iBeacon applications, presented an interesting approach to using the new technology – the search for luggage. The idea is that the iBeacon beacon is placed in the luggage, and the mobile application, called the "Where Bag", informs the user when his luggage appears on the tape.

It is often possible to see a huge turn in front of the luggage delivery belts. And this is understandable, people, trying not to be late for buses and aeroexpress from the airport, try to get their luggage as soon as possible. To do this, it is necessary to break through the crowd of people and carefully watch at passing suitcases. This problem is in the first place. And this application "Where Bag" is intended to solve it and will tell you exactly whether your luggage has appeared on the tape or not yet.

Another problem is the identification of your suitcase on the tape. Most of the suitcases are very similar, especially if they are wrapped with the same packing tape. Often, only after

the person has already pulled out the suitcase, he realizes that he has been mistaken. This is the second problem, which is designed to solve the application “Where Bag”.

And, finally, the third problem is the notification of the loss of luggage from sight. This problem became especially urgent this year, when tourists have to wait many hours at the airport. If you fell asleep while waiting, and someone at this time decided to steal your luggage, then the mobile application will notify you about the loss of luggage from sight and you will have time to react quickly. The interface of the application is as simple as possible. It contains a list of suitcases and information about their distance from the device. So it can be used by people of any ages.

Ukrainians should be informed about the IBeacon program because when using this application, the statistics of abduction and loss of luggage will decrease considerably, which will lead to better feedback and pleasant cooperation with the International Airlines of Ukraine and other airlines of the world.

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PROBLEMS OF EMPLOYMENT AND UNEMPLOYMENT IN UKRAINE

The current transition to market relations is associated with great difficulties in Ukraine, the emergence of many socio-economic problems. One of them is the problem of employment, which is inextricably linked with people, their productive activity.

The purpose of my report is to define the essence, types and socio-economic consequences of unemployment, to identify the causes and problems of unemployment in Ukraine and to suggest solutions to them.

I believe that my topic is one of the most relevant for Ukraine, since this problem remains open and unresolved for Ukrainian society. Also, the problem of unemployment can affect everyone, from a student to a middle-aged person.

Unemployment – the presence of people in the country, who are the part of the economically active population, able and willing to work, but cannot find a job.

Karl Marx believed that unemployment arises because:

1. Production is developing more slowly than growing the number of citizens, which are able to work, and this part of the population of the country turns out to be superfluous;

2. New machines replace people in production, so people are unnecessary;

3. The structure of demand and production is changing, and therefore production is reduced in the traditional, most labor-intensive sectors.

In Ukraine, 45% of unemployed Ukrainians have a higher education. And in big cities the situation is much more critical. For example, in Kharkiv, 87% of unemployed people with higher education are in the center of employment. In Kyiv and Zaporizhzhia the number of certified specialists without work exceeds 80%.

Unemployment is one of the major factors that affects the socio-economic situation of the population, in particular, it determines its poverty and the extent of labor migration abroad.