

best way to spray the starting mix into a wall is by keeping the spraying vector perpendicular to the surface of the selected area, at a certain distance that may vary between 1 and 1.5m. Furthermore this type of machinery hasn't been designed for automation purposes but for manually controlled labour. This implies that some additional factors like mechanical deformations, backlashes, or the control type of the actuators have to be taken into account in the control system of the machine for precise positioning.

The proposed control system has been designed to use the real-time layer thickness estimator and the roadway geometry information to feedback and adapt the trajectory control according to the conditions in order to produce high quality concrete layers.

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DEVELOPMENT OF THE DOCTOR APPOINTMENT BOOKING SYSTEM PROTOTYPE

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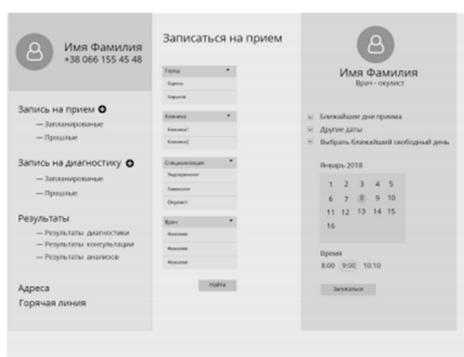
In the summer of 2017, the Ministry of Health Care of Ukraine announced the launch of the e-medical system for doctors and patients – that is the eHealth System. Some of the opportunities this system provides are making medical appointments and making arrangements for doctor house calls via the Internet. The switch to the electronic appointment system is not mandatory for medical institutions. But it is assumed that it will be more and more difficult to work without an electronic database in the future. You can make a medical appointment at different websites. The medical institution chooses on its own which of the developed information systems to connect to.

Now patients at public service bodies are making online appointments via such information systems as the Helsi Medics Polyclinic without queues, My Med Cabinet, Dr. Eleks, MedCard, Emsimed, medstar, eLife, and others. All the websites have quite a simple design and can even be used by those with little bit

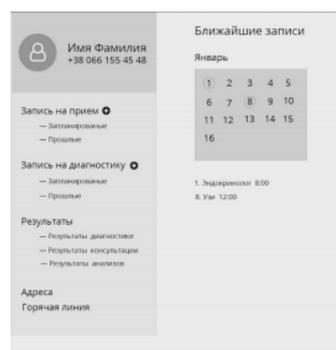
advanced computer skills. Some institutions made it possible to book an appointment through their website.

The paper shows the development of a model of the widget system (Fig. 1 a, b, c, d, e), that is booking an appointment with a doctor, which can be implemented on various operating systems such as Linux, Android, iOS.

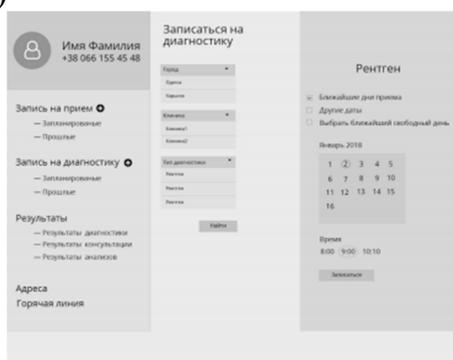
A web widget is a content module that is embedded in a web page or browser. This type is based on browser-based web technologies: HTML, Flash, and others.



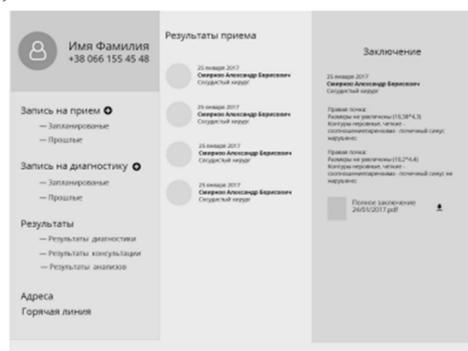
a)



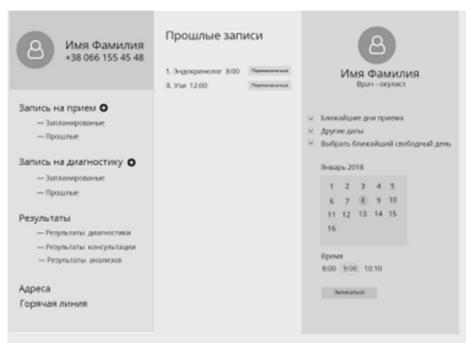
b)



c)



d)



e)

Figure 1 - Layout of the Widget system of booking a medical appointment

The module is adaptive and perfectly compatible with WordPress and Joomla. The module can be installed both in the Pop up and in IFrame format.

The system provides an opportunity to check the lab test results and doctor's notes online, which does not require the presence of a patient in the hospital.

The paper analyzes the features of internal algorithms implementation for managing the main computer resources (processors, memory, devices), discusses the difference between the corresponding hardware platforms.

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FOREIGN EXPERIENCE IN FORMATION OF CHILDREN'S PLAYGROUNDS

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Children's playgrounds were and continue to be a necessary component of the modern urban life, an important element in the improvement of residential areas. Development of children depends on the subject-spatial and surrounding environment, affecting various aspects of growing up: moral, physical and cultural. Built during the Soviet period, playgrounds and parks do not meet the modern criteria of the urban environment.

Exploring the foreign experience of landscape architects and designers who are engaged in the creation of children's playgrounds in the modern urban environment, it is necessary to highlight an original integrated approach to preliminary research work done before designing and building. A striking example of this approach is the formation of children's non-standard game environments in Sweden. Landscape designer Anna Lenninger notes that the main issues that concern the Swedish landscape design specialists regarding the child are:

How he/she interacts with other children and adults in different environments.

How he/she thinks, in which direction his/her imagination and research activities develop.

How the child moves, what places and physical objects are interesting for the child.

In order to answer all these questions, professionals work together with doctors, psychologists and educators. For a long time they have been observing children playing in the conditions of the city and in nature areas.

Landscape design is a means of achieving certain qualities of a children's developmental gaming environment and is aimed at creating an atmosphere friendly for the development of children, cultivating diverse forms of gaming activity, creating a space favorable for the development of free playing. The forms and types of games largely depend on the place where they occur. The game is