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**ANALYSIS AND CHARACTERISTICS OF ONLINE CURRENCY
EXCHANGE PLATFORMS**

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**АНАЛІЗ ТА ХАРАКТЕРИСТИКА ОНЛАЙН ПЛАТФОРМ ДЛЯ ОБМІНУ
ВАЛЮТ**

Анотація. У статті представлено аналіз та характеристики онлайн-платформ для обміну валютою.

Обмін валюти онлайн – це зручна та безпечна послуга для клієнтів, крім того, що вона вигідна – вона економить час та гроші, адже обмін валюти відбувається за вигідним курсом онлайн та без додаткових комісій.

Онлайн-платформа обміну валют може зробити життя кожного кращим. Усі операції з обміну валют будуть здійснюватися за допомогою онлайн-платформи, де ви зможете вибрати потрібні валюти та здійснити обмін за 5 хвилин, не виходячи з дому.

Ключові слова: Інтернет-платформа, валюта, обмін валют.

Introduction

Websites or web applications are very common today. Almost every organization has its own web resource that contains company news, promotions, contact information and other useful information.

In addition to the purely informative component, some pages have useful features, such as built-in image processing software or online calculators for currency exchange. The introduction of such useful functional elements increases the number of visitors, as well as automates certain processes, such as booking money at a favorable rate.

Currently, there are many currency exchange offices, and their number is constantly growing. Each item has its own terms of currency exchange, as well as the rate, which may or may not be beneficial to the client. To exchange money you need to spend time and look for items around the city to find a good rate. Everything is long and exhausting. To reduce the time to find a reliable exchanger, there are online exchangers with a very favorable rate. They allow the user to select the desired currency and place an application at this rate and withdraw money at the nearest exchange office.

Main part

Depending on the country in which a particular currency is used, it is divided into national and foreign. For Ukraine, the national currency is the hryvnia. Accordingly, all other currencies in Ukraine are foreign currencies. The issuer of the Ukrainian hryvnia is the National Bank of Ukraine - the central bank of our state. Issuers of foreign currencies are the central banks of countries for which these currencies are national. From Table 1 you can learn about the "nationality" of some currencies, their names and international codes.

Символ валюти	Назва валюти	Країна, для якої валюта є національною	Міжнародна назва	Міжнародний код
₴	Гривня	Україна	Hryvnia	UAH
\$	Долар	США	US Dollar	USD
€	Євро	Європейський Союз	Euro	EUR
£	Фунт стерлінгів	Великобританія	Pound Sterling	GBP
¥	Єна	Японія	Yen	JPY
¥	Юань	Китай	Yuán	CNY

Table 1 - International symbols, names and abbreviations of currencies

Advantages of the online exchanger:

1. The advantage is saving time and money. If a user wants to buy a product in an online store, stock up on a mobile phone or pay for a service at home or in the office with electronic money, and this store or company does not accept the currency of one or another user, they must change your money by exchanging currencies. And in order not to spend a lot of time looking for the right

exchanger with a reserve suitable for the user and a favorable rate, the online exchanger will help him

2. Easy to learn and use;
3. Current and current information on exchange rates;
4. The minimum number of steps to obtain the desired currency;
5. Intuitive user interface.

Implementation of a web application.

Web applications are developed using programming languages such as HTML and CSS.

Unlike regular applications, the web application can be used on all devices with any operating system. It must be properly compatible with iOS, Android, Windows Phone and other systems. The application will also adapt to any device and display correctly on the user's screen.

The Yii2 framework, written in the PHP programming language, will be used to create the server side of a web application. For the client part I will use: HTML markup language, language for describing the appearance of CSS, as well as JavaScript language, especially the jQuery library. The MySQL database management system will be used to work with the database.

To run a web application, you need to choose a platform server, so I decided to use the Open Server platform.

Open Server is a portable local WAMP / WNMP server with a multifunctional management program and many additional options.

The web application will consist of a calculator for currency exchange, with which the user can sell or buy the desired currency, as well as be able to book a currency.

Conclusions

During the development of a web application for currency exchange, methods of creating an online platform were researched and used. The efficiency of using different technologies to implement the functionality of the web application is investigated. To this end, I have analyzed the benefits of software, source editors, frameworks, and tools that facilitate development.

The technologies used show that the rational choice of technology for project development can facilitate the development process and generally make it interesting.

An online currency exchange can help comfort and save time for the person who needs to get the currency they ordered quickly and easily.

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