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FUNCTIONAL CAPABILITIES OF THE WEB-THANLIL.UZ SITE

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The requirements for the structure of websites are usually created to provide users with accurate information, display information in the correct order, and allow for optimization and verification of SEO (Search Engine Optimization). It is recommended to pay attention to the following requirements:

Navigation menu: Every website should have a clearly structured navigation menu. Menu items (news, services, products, links) should be well structured to provide information so that users can easily navigate through the pages on the site and have a good experience.

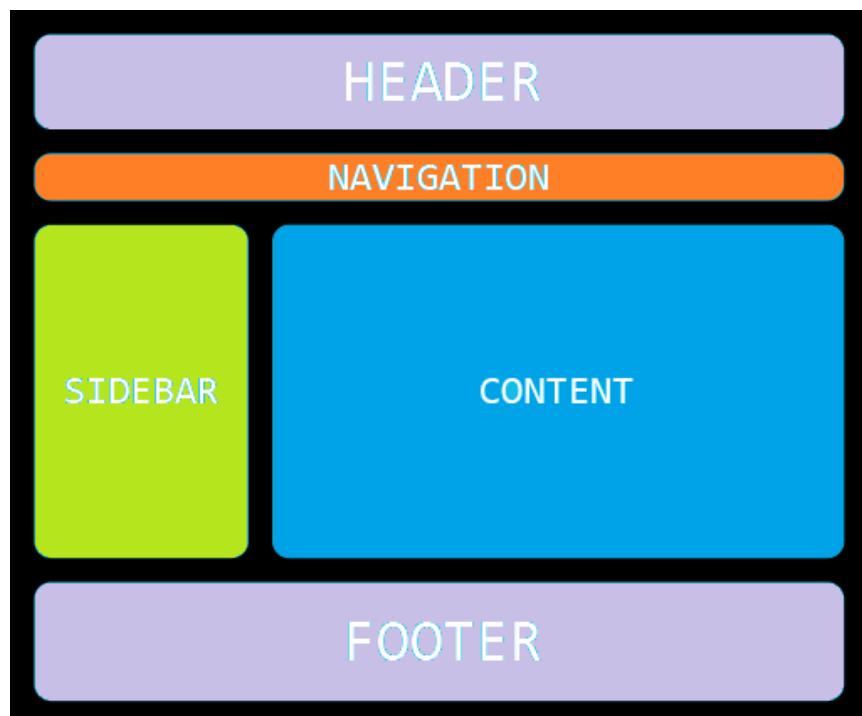


Figure 1. General structure of websites¹

¹ <https://www.htmlgoodies.com/wp-content/uploads/2021/04/stylingblocks.png>



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Page names: Each page should have a unique name. Page names represent the content of the site and are important for SEO. Page names should be short, concise, and user-friendly.

The developed website provides a number of options for users:

- provide complete information about various software that ensures the security of websites;
- provide information about the advantages and disadvantages of programs;
- visually obtain information about the advantages and disadvantages of programs through a comparative table;
- Visual comparison of program capabilities through a histogram;
- Adding additional programs and comparing them with other programs and comparative analysis using tables and histograms;
- Determining the level of security through software complexes and their characteristics;

EVALUATE PROGRAMS USING THE FOLLOWING INDICATORS:

1. Systematic approach to attack
2. Web application firewall for web applications
3. Antivirus scanning of web mail traffic
4. Protection against the spread of confidential information
5. Integration with SIEM (syslog)
6. Data loss prevention system
7. Blocking anonymizers

The main function of the website is to clearly illustrate the functionality of the programs that ensure the security of the website data in a tabular format (Figure 2).

This table (Figure 2) examines the features of programs such as Kerio control, Ideco ITM, Kerio connect, and UserGate.



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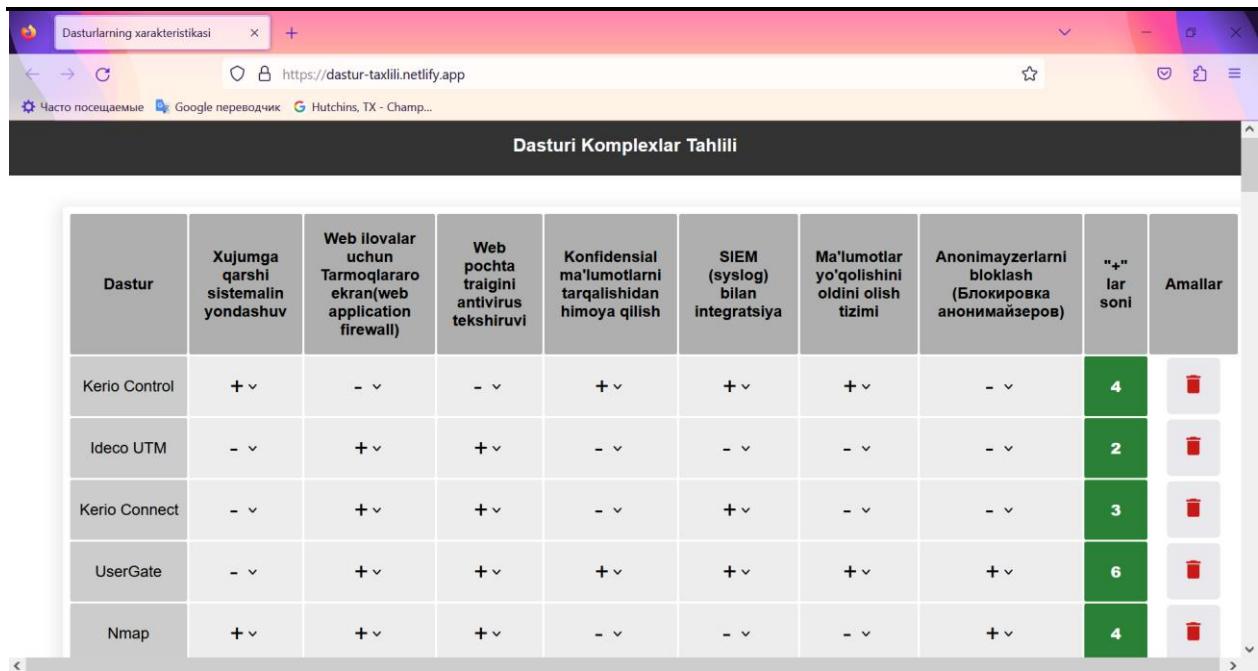


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Dastur	Xujumga qarshi sistemalini yondashuv	Web ilovalar uchun Tarmoqlararo ekran(web application firewall)	Web pochta traligini antivirus tekshiruvi	Konfidensial ma'lumotlarni tarqalishidan himoya qilish	SIEM (syslog) bilan integratsiya	Ma'lumotlar yo'qolishini oldini olish tizimi	Anonimayzerlarni bloklash (Блокировка анонимайзеров)	“+” lar soni	Amallar
Kerio Control	+ ✓	- ✓	- ✓	+ ✓	+ ✓	+ ✓	- ✓	4	
Ideco UTM	- ✓	+ ✓	+ ✓	- ✓	- ✓	- ✓	- ✓	2	
Kerio Connect	- ✓	+ ✓	+ ✓	- ✓	+ ✓	- ✓	- ✓	3	
UserGate	- ✓	+ ✓	+ ✓	+ ✓	+ ✓	+ ✓	+ ✓	6	
Nmap	+ ✓	+ ✓	+ ✓	- ✓	- ✓	- ✓	+ ✓	4	

Figure 2. Interface of the Web-tahlil.uz website²

The table examines the advantages, strengths and weaknesses of the programs in 7 parameters. The advantages of the programs are calculated automatically. Taking into account the development of functional capabilities and the addition of other features as a result of the creation of new versions of the programs, the “+” and “-” are created dynamically. Users will be able to change them independently. This will serve to make the analysis process efficient and convenient.

There is an option to open a new row in the table for newly created programs, thus improving the table.

In this table, we can see how much protection software complexes provide by comparing them. This will help users effectively protect data on websites through software complexes. As technology and techniques develop, new and improved protective software complexes are created and it is possible to include them in this table.

²Developed by the author



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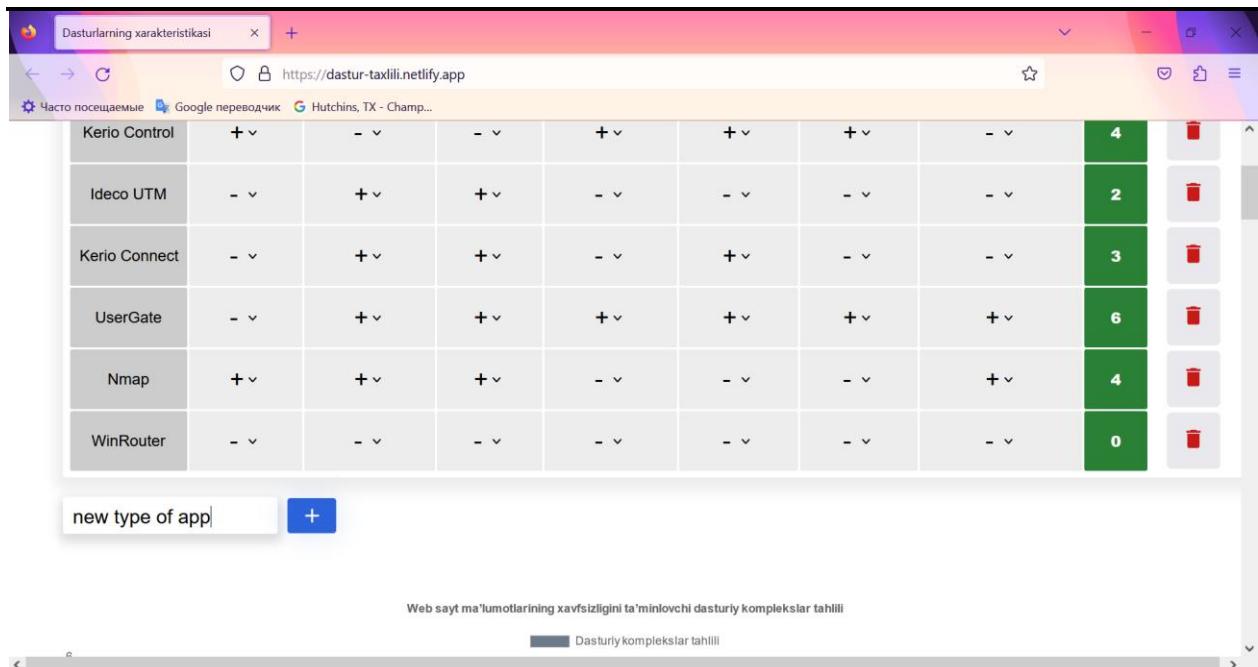


Figure 3. Web-tahlil.uz website's ability to add a new application³

The histogram is linked to the analytical table and shows the level of protection provided by the programs (high, medium, low). This histogram allows you to visually compare programs that protect data security. The effectiveness of the given software complexes is clearly visible through the histogram. This allows us to quickly come to a clear conclusion about which software complex to use in our work. In some cases, tables, charts, and diagrams may not be enough to provide complete information. Therefore, this website provides complete information about the characteristics, functional capabilities, advantages, and disadvantages of each program. (Figure 4)

³Developed by the author



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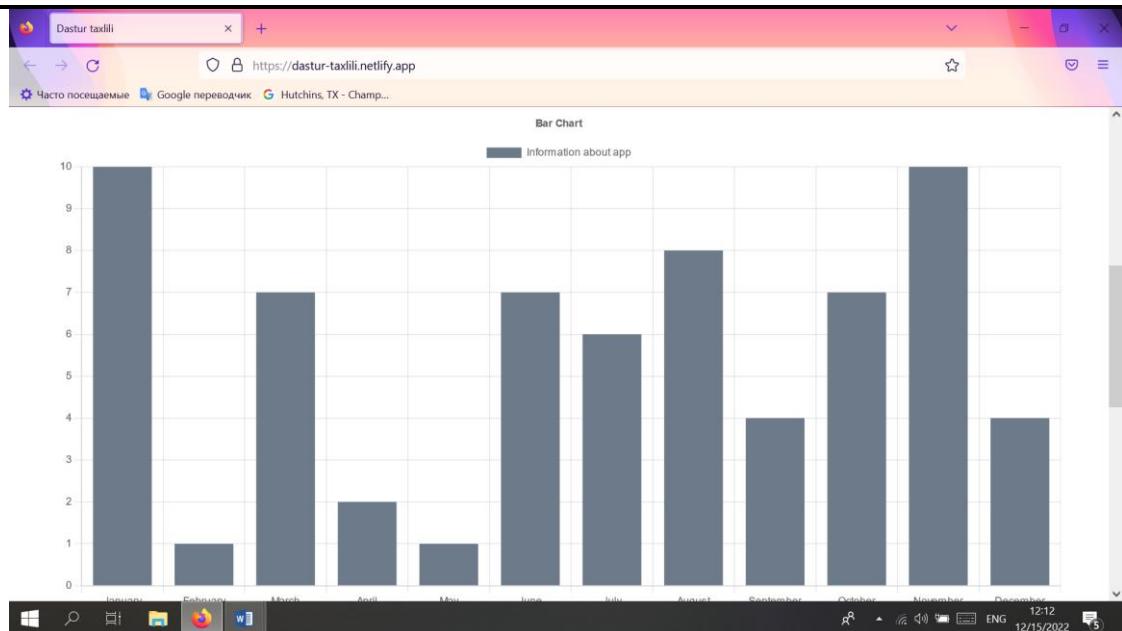


Figure 4. Visual comparison of programs through a diagram⁴

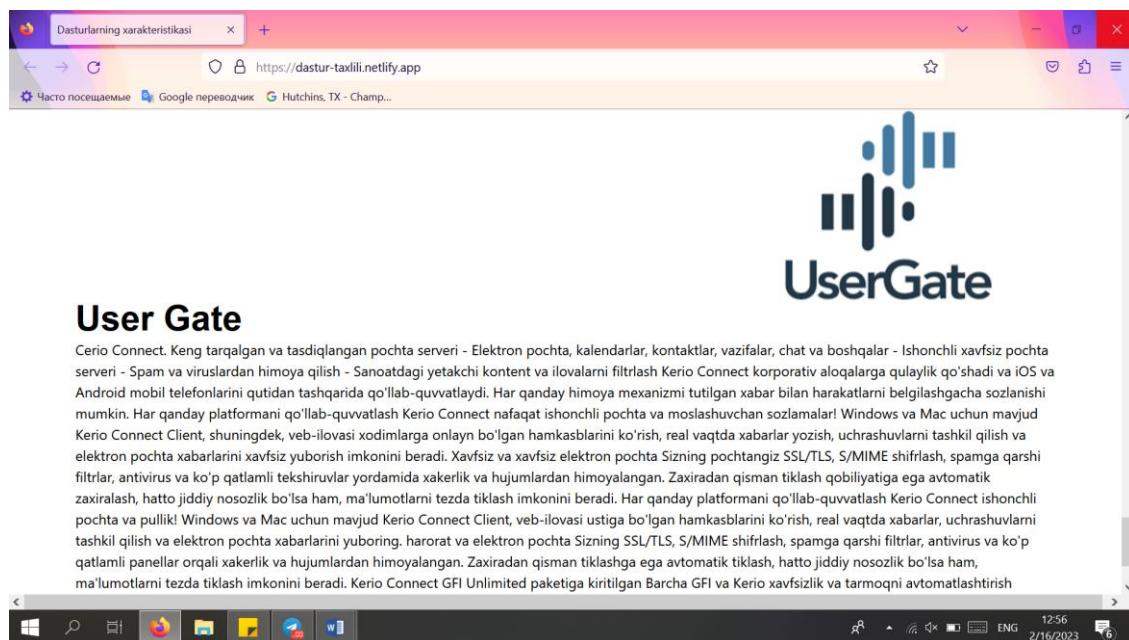


Figure 5. Information about the programs that ensure information security of the Web-tahlil.uz website⁵

⁴ Developed by the author

⁵ Developed by the author



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Conclusion

Website users can learn more about data security programs, learn how they differ from other programs, and choose the right program for themselves and use it in their project development process.

LIST OF REFERENCES

1. Sh. Mengliyev. Information protection in computer networks, current problems of modern informatics: past experience, prospects. Materials of the Republican scientific and practical conference, Tashkent-2018.
2. S.K.Ganiev, M.M.Karimov, K.A.Tashev, Information Security. Textbook – T.: Alokachi, 2008.
3. Sh.M.Kamilov, A.K.Masharipov, T.A.Zakirova, Sh.T.Ermatov, M.A.Musayeva “Information protection in computer systems”. Texts of the report. TSIU – Tashkent: 2003.