

The Polish Angling Association portal as example of usage the Web Technologies.

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Abstract - The article presents the result of research of an exemplary website concerning Polish Angling Association. The whole project is based on the free web technologies. The site enables anglers and active workers of angling area as well as members of the Polish Angling Association, a quick access to information concerning current activity of angling area. The site facilitates access to statistics including the data that concerns fishing in basins as well as inspections of restocked water bodies in the angling area.

Keywords- Internet, WWW, PHP, MySQL, JavaScript, CSS, CMS.

I. INTRODUCTION

Nowadays, the Internet is the most common used way of global communication and the most popular source of information. It has become an essential tool at work for millions of people. Only a couple of years ago, the Internet had been just used at universities as well as in military and research institutions. It was proved that the connection of several computers may increase their computing power.

Having the communication provided, in the early 80's the beginnings of www web are dated. The www website is strictly connected with one of the most popular HTTP protocol and the HTML language, which have become the basis of creating web pages and Internet applications these days. This portal may serve as an example.

II. THE TECHNICAL BASE – SCRIPTING LANGUAGES

The main reason why the scripting languages were applied into this project are the low costs of formation of such applications as well as the universality and openness of the source code that may be used, changed and redistributed freely.

Then, a simple question comes into mind: "If the applications that are based on Open Source technologies and created with the help of scripting languages such as JavaScript, PHP are free and easily accessible, then how they can be safe?"

This statement is by all means wrong as all the gaps in code are filled very fast by the numerous and still growing Open source community. Another advantages of PHP language are:

- Efficiency: by means of a single and inexpensive server a lot of visits may be served every day
- Direct service of connections concerning numerous

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database systems

- Efficient mechanisms object oriented
- Simplicity and transparency of the written code

Obviously, not all of the advantages concerning scripting language have been presented. It is important that this language has been designed to be applied in WWW websites; therefore it has a lot of functions that may be helpful while working in web.

Each advanced portal cannot dispense with database. In this project a free but fully functional MySQL database was used in order to minimize the costs of building a whole service. This database has become a basis of storing the data of all kind. The most important advantages of MySQL are:

- Availability of source code
- Availability of support
- High efficiency
- Low cost
- Easiness of configuration and study
- Portability

The principle of web technologies gives the opportunity of creation at low cost a highly advanced web portal. This was proven by introducing a web portal for anglers.

The next scripting language used in creating web portals is JavaScript. This language is applied mainly in creating dynamic and interactive WWW web pages and therefore it was used in this project. Applications that are produced in JavaScript are opened in WWW browser. This leads to creation of interactive sites without the necessity of owing WWW server. One of the most important advantages of applications that are created by the use of this language is their versatility. What is more, this language may be used on different hardware platforms which stresses the fact that this language is assigned to the Internet applications. While building the graphic layout of the project, the author made use of style sheets. The use of them enables one not only to divide the content from the look of a WWW site, but also to format the texts precisely, position the elements as well as add various textual ornaments to it.

III. THE SYSTEM

The portal was constructed with the help of scripting languages that were applied by the author in the content management system created by himself. Due to this device each user may, without knowledge of programming languages, administer the whole functionality of the portal: adding, removing, modifying, editing and updating the information that is placed on the angling website.

By these means an administrative panel was created. It enables one not only to perform all the above mentioned operations but also to conduct the fishing statistics and their updates. This process largely facilitates and organizes works connected with stocking of rivers in the particular angling regions. Building such a system starts from designing a newly-established portal with the help

of UML language. The application of this technology allowed to define the desirable architecture and the structure for the designed system. The following UML diagram illustrates a graphic presentation of the system. It shows all of the functions designed for an administrator as well as for a simple user.

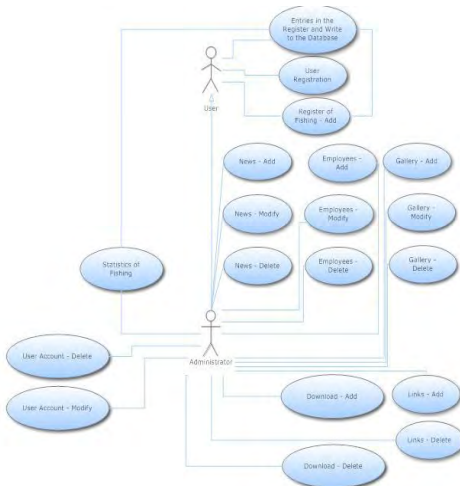


Figure 1. Project Object Model.[own]

The user, while using the portal, is able to register and thanks to that he does not have to use the website for informative purposes only, but he also has an access to the system and may establish his own fishing register. By this way each user would have an access to his/her angling achievements.

An important advantage of this website is the opportunity of looking through the site and inserting announcements without prior registration in the system and completing the forms that appears to be an obligation in many other sites.

The administrator of the site has a full access to the system and thanks the simple design of the administrative panel he/she has a complete control over the developed website.

The panel enables the administrator to make modifications, deletions and additions of the most important elements such as:

Current events, The staff, Gallery, Downloads, Links.

The last module of this system is connected with the statistics of fishing. The administrator, together with the user get the information concerning the number of fish that were caught in a particular river. It is possible thanks to activity fishing reports from the anglers who are registered in the system and who have established such a register. In fact, it is a vital and valuable information for stocking specialists who work in a particular angling area. This kind of statistics may help in defining the way of stocking a specific river precisely.

IV. CONCLUSION

The portal “e-wedkarz”, that appears to be a compilation of web techniques, may become not only a tool for angling area workers that make their job easier but also a source of information for PZW members. It may also increase the attractiveness of angling by promoting this sport via the Internet. Building of the Content Management System based on the applied technologies, enable one to administrate the portal and what is more, to make necessary modifications and updates without possessing specialist knowledge. Thanks to that the system is maintained at the lowest costs. The application of the system definitely influences the effectiveness of functioning of particular angling area in the scope of balanced stock economy of rivers and water basins.

The functionality of this portal allows one to maintain the fishing statistics of water basins concerning particular angling area. This information is obtained with the help of anglers who put the data directly into the system.

Those registers have been conducted in a paper form so far and they required a load of work of a person who presented the annual fishing reports. The analysis of the data taken from the system allows the specialists to define the proper level of stocking of particular rivers and water basins for the next seasons. The portal has become then a tool that increases the effectiveness of anglers’ work as well as the research that are carried out by several institutions. What is more, it made easier to reach some information concerning angling by those who are only the fans of this sport.

V. REFERENCES

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