

2 block with the main content of the site;
3 footer – includes contact information, links to various social networks.

User roles are an integral part of a standard WordPress installation. The site under development has such roles as:

1 administrator – manages themes, users and plugins and updates them if necessary, as well as edits and imports or exports data through the console;

2 editor – can edit content and create new posts. They can also model comments and respond to them;

3 subscriber – site audience. Without registration they can view information only. When authorizing, they have the opportunity to leave their comments.

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AUTOMATION OF METERING OF FUEL CONSUMPTION OF VEHICLES

The aim of this work is to develop Schiffe software. Schiffe Software is a suite of tools for managing energy efficiency on offshore vehicles. Schiffe combines existing marine data with other relevant data sets to gain insight into how to reduce fuel consumption and emissions. Reducing fuel and energy consumption has an environmental, monetary and, no less important, strategic effect.

For the development of the server side of the web application the Java programming language with Spring Framework was selected. Maven Framework is used to automate the assembly of the project and its deployment. To store data the PostgreSQL server database is used. The server used is Apache Tomcat. If we talk about the client side, the main stack of web technologies HTML, CSS, JavaScript, and JQuery was chosen. In addition, to build various charts and graphs, the Echarts library is used.

The Schiffe web application includes features such as fleet efficiency, fuel consumption forecasting, simple report generation, fuel consumption accounting, emission accounting, construction of various schedules, tracking the fleet's position in real time.

For this web application the input information about the vehicle comes in the form of JSON format. This input document contains information about the position and the time spent on fuel. Based on these data, various output documents are constructed, such as graphs, charts, animations.

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DEVELOPMENT OF AN INFORMATION PORTAL MODERNIZATION PROJECT

In all developed countries, leadership in the information sphere is defined as strategic superiority, which ensures priority in all other areas - economics, politics, culture.

Considering the current site of the enterprise, one can draw the following conclusions: the site is overly informative, since there is a lot of extra information that is not related to the activities of the enterprise. It is advisable to optimize the content of the site in order to give greater visualization. A useful option can be adding a consultative form where each client can leave a request for a service or providing information.

The tasks can be implemented using the JavaScript programming language. JavaScript was chosen because it is usually used as an embeddable language for programmatic access to application objects, widely used in browsers as a scripting language to give interactivity to web pages.

As a result of the work, functionality was considered, scenarios were described, a logical-informational data model was designed, and the project architecture was created. Possible construction options are also considered and the optimal solution to the problem is implemented.

The main roles are listed below:

- Admin. Manages clients and companies;
- User. Makes orders to companies;
- Company. Receive and process orders from the user.

The list below contains use cases that are considered important (Figure 1):

- Make an order;
- Check order;
- Consultation;
- Changeorder.