

## **Annotation**

Theme of the graduation project: «Website development based on client-server application».

To implement the client side, it was necessary to study and use the following technologies: HTML, CSS, SCSS, JavaScript, jQuery.

For the server side: Node.js, Express, ejs, SQL, JavaScript, XAMMP, phpMyAdmin DBMS.

The thesis project includes 5 main chapters, conclusion, list of references and mandatory applications.

The introduction described the essence of this web application, the relevance of its development. Expands the scope of this application. The main goals and objectives are defined.

The first chapter is analytical and includes a description of the software product and the choice of technologies for its implementation.

The second chapter by means of models and structural tables shows the design of the structure of the client part and the database.

The third part is practical and includes a description of the implementation of the software product, an exploded analysis of each web page.

The fourth part is a feasibility study, where the implementation of this project was analyzed from an economic point of view.

The fifth chapter includes consideration of working conditions, where the main drawback is determined, which is eliminated in subsequent actions.

In conclusion, the results of the work done, the achievement of goals and tasks that led to the finished software product is described.