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## **DEVELOPMENT OF DATA ANALYSIS PROGRAM FOR INFORMATION ABOUT PRODUCTS PURCHASED ONLINE**

Работа посвящена разработке программы для анализа данных по информации о продуктах, купленных онлайн.

It has been more than 25 years since the first online shopping transaction was born. With the continuous development of network technology, many online shopping websites have continued to rise and decline. Nowadays, the development of global online merchants has reached a balance. Therefore, people often browse the products they want to buy on major shopping websites, and constantly compare the production information, prices, transportation costs of the products and the evaluations of the purchased users to determine whether and where to buy the products. To this end, it was decided to establish a project, which will collect store information, product information and user evaluations of major online merchants, and obtain a product's ranking on various websites through a specific algorithm.

The proposed project will design an information system, which mainly contains information of online merchant stores (whether the store has a physical store, the business scope of the store, etc.), product information (including basic information about the product, the sales situation of major websites, etc.), and user evaluation Information (total number of user reviews, score ratio, etc.).

The system consists of three parts: client website, management system and server. The customer website will show users the main functions provided by the system: product information retrieval, product sales and shopping recommendations. The management system will be used to update the data information of the system server. The server is mainly responsible for business processes, data analysis and data access management. For development will use Java, Typescript, SQL Server, Angular CLI, Spring boot.

If this project is completed, friends who like online shopping will more easily get information about the items they want to buy.