

The implemented project is aimed at creating interface elements that will be part of the history of the game world, carry information and participate in the game process. The elements are diegetic, made in a drawing style, which makes them easier to perceive.

Yauheni Haikou

(Fr. Skorina GSU, Gomel)

Scientific adviser **Viktar Liauchuk**, Ph.D. in technics, associate professor

DEVELOPMENT PROJECT FOR ACCOUNTING PRODUCTION AND SALES

Tools for accounting and selling goods can be found in the public domain. These sources are published free of charge. Despite the advantages of online applications, there are some bottlenecks as well. At this stage, let's choose the main features that our application must satisfy.

There isn't a free web application for accounting of production and product sales. To automate the document flow of a company, it is desirable to have your own tool. The application should receive information from employees and managers of the enterprise.

There are four roles in the developed application: guest, client and manager, employee. Each actor has a specific list of available use cases.

A relational database consisting of about 7 tables was created. MySQL is used for storing information.

The application was developed in Java programming language with the help of Spring Framework—Apache Tomcat is the application Server. Apache Maven was used to build the project.

The application architecture in accordance with Spring Framework is presented at this slide. The UI logic of the application runs as a Controller of the application server.

The developed application contains eight main packages and a main class responsible for configuring and launching the application. Each package contains a set of related classes.

Throughout the project development automatic and functional testing was used. Automatic testing is represented by junit test.

At the following slides you can look over the user interface: main page with list of productions, list of employees and clients, detailed information about the production, page with information about manufactured products.

To increase customer focus, you can display reports in the form of graphs to analyze the popularity of products in any format.

The size of the whole project in the disk space is about 400 Mbytes. The project was successfully accepted by the customer.

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ARCHITECTURE OF THE PROJECT FOR ACCOUNTING PRODUCTION AND SALES

The application web application solution arose out of the desire to simplify the processes of implementation and production of products. Both processes play an important role in the further work of the enterprise, namely, they change marketing, business production and work organization.

During the implementation of the project, the following aspects were considered: using the API to obtain data using RestTemplate, creating a microservice to connect its entire system, distributing roles, etc. From the distinctive features of the application: the employee compiles a report for the worked time, can view reports on sales, sorted by month, and by production based on generalized reports of employees.

As input documents in the application are: reports from workers, order forms and consignment notes. As an output document: a summary table with aggregated data. When developing the application, the following technologies were used: Spring Boot, JavaScript, MySQL. The architecture of the application is shown in Figure 1.

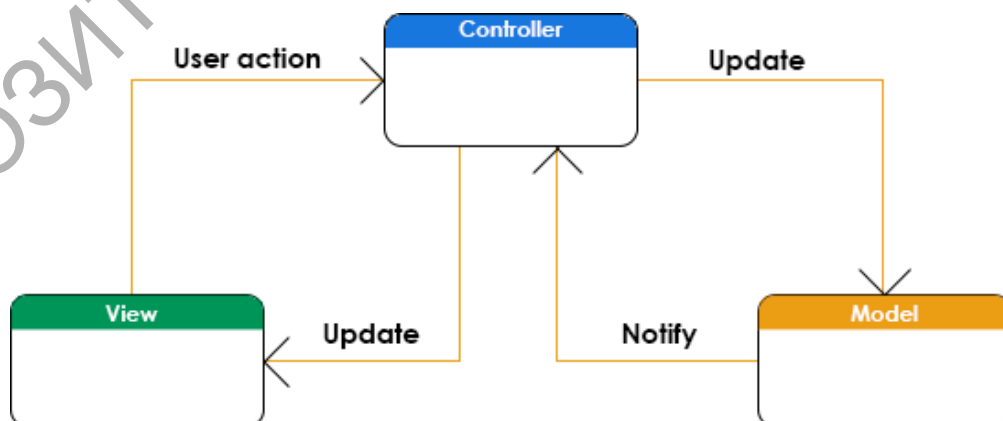


Figure 1 – MVC model