The first chapter is about implementation of video calls in 20-th century, modern concept of video communication and prospects of video calls. The second chapter include different information about cross-platform soft, some types of network protocols and video communication software for MacOS platform.

The third chapter include information about implementation of video communication in local area network, wide area network and data about video communication support by mobile operators.

As a result of this course work – video organization were studied by me, since the 20th century, the implementation of it today, and even with an eye to the future. There were studied in detail the various programs for the MacOS platform, which allows any user to conduct a video conference or just call anyone.

There were thoroughly studied different protocols for cross-platform software that enable you to make video calls on the MacOS.

Besides, there were learned some information about the practical organization of video conference, that was held at the local and global networks and some information about support functions of video communication by mobile operators.

As a result of the practical use of the conference organizing – there were held an experiment of organization the video channel from Nice and Prague to Gomel and from Minsk to Moscow.

As a result, both programs showed excellent compatibility with different operating systems.

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**TECHNICAL ASPECTS OF IMPLEMENTATION
OF THE APPLICATION FOR THE ANALYSIS
OF THE LABOR MARKET
FOR THE COMPANY «IBA GOMEL»**

Рассматриваются технические детали реализации приложения для анализа рынка труда. Данное приложение разработано для предприятия «ИБА Гомель» и находится в тестовой эксплуатации.

The application for the analysis of the labor market data was developed for the company «IBA Gomel». It allows to analyze the increase or decrease in demand for a particular position for a certain period, change of wages in a

particular industry, the increase in the popularity of certain technologies, the emergence of new trends.

For the development of this application a standard set of software and technologies for was used. The project is an application in the Java programming language (JSE 8, JEE 7). Integrated development environment шыclipse Neon (latest stable) with plugins: JBoss Tools, Vaadin and DBeaver.

Framework Vaadin 7.7.6 was used to develop a user interface. Apache Tomcat 9.0 is an application Server. It is an open-source Java Servlet Container. PostgreSQL 9.6 was selected as the database for storing the application information.

To build the project Apache Maven 3.3.9 was used. It is a framework for automating the assembly of projects specified in the XML-language of a project object model (POM). Maven can manage a project's build, reporting and documentation from a central piece of information.

SCRUM – the leading agile development methodology – was chosen as the development process. SCRUM is an agile way to manage a project, usually software development.

At the moment the application is on the test stage. Results of this stage implementation are discussed in the report.

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FUNCTIONAL OPPORTUNITIES OF AN APPLICATION FOR THE ANALYSIS OF THE LABOR MARKET FOR THE COMPANY «IBA GOMEL»

Рассматриваются функциональные возможности приложения, позволяющего визуально отслеживать тенденции изменения рынка труда и прогнозировать спрос на различные должности. Данное приложение позволяет повысить эффективность работы менеджеров за счет использования веб-технологий.

Developed web application is designed for visualizing the results of processing of labor market positions. Through this application managers of the company can identify new trends, find job offers (title, description and requirements, labor demand).

Labor market information is a valuable resource for companies that are interested in qualitative development. It can be used in making decisions for marketing, determining the available labor pool, hiring staff, paying wages or