МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ  
РОССИЙСКОЙ ФЕДЕРАЦИИ

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**Отчет по лабораторной работе №1**

Дисциплина: «Project Management»

Тема: **«Application»**

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**1. Sharkunov Alexander, group 6233**

**2. Name of the project:**

"Baking delivery service with intellectual selection of products"

**3. Scientific part of the project**

**3.1 Scientific objective of the project:**

Development of a service that will allow you to quickly order the delivery of bakery products to your home using the analysis of input data from a brief survey of the preferences of the buyer and the shopping basket in the future.

**3.2 Scientific novelty of the project:**

This service will reduce the time required for placing an order in the system by analyzing the preferences of the buyer and providing ready-made options for ordering. At the moment, most product delivery services use only a filter by product and category. If we take into account the taste preferences of the buyer, then you can create a small template for the basket of the buyer, which will reduce the time required for order placement.

**4. Commercial part of the project**

**4.1 Result of development, potential consumers**

The result of the development will be a service that will allow any organization engaged in the production of bakery products to organize the delivery of their products using modern data analysis technologies.

Potential consumers - manufacturers of bakery products who want to increase the turnover of their products by delivering directly from the manufacturer.

**4.2 Existing analogues, competitors**

At the moment, there are no analogues in the delivery of bakery products as such. There are deliveries of cakes, pies to order, but for the most part the order of these products is necessary only on holidays.

The bakery product delivery service is focused on daily orders. For example, the buyer wants to get fresh bread and a couple of cakes for breakfast, but does not want to go somewhere for baking, despite the fact that cooking is near the house.

**4.3 Phased implementation plan, implementation time, cost**

**The first stage**: the study of products manufacturers of bakery products that are in demand, what is not. The study of methods of selection of products using data analysis - 1 month

Number of employees, skills: 2 employees, skills - data mining, analyst

2 people, 5 days a week, 4 weeks, 8 hours, $ 16 / hour => 2 \* 5 \* 4 \* 8 \* 16 = $ 5120

Budget Stage: $ 5,120

**The second stage**: the creation of sketches of the application with a list of products, a basket for the order, product selection screens - 2 months

Number of employees, skills: 1 employee, skills - ux / ui

1 person, 5 days a week, 8 weeks, 8 hours, $ 18 / hour => 1 \* 5 \* 8 \* 8 \* 18 = $ 5760

Budget Stage: $ 5,760

**The third stage**: creating a prototype of the application based on sketches - 1.5 months

Number of employees, skills: 3 employees, skills - frontend developer, mobile developer

2 people, 5 days a week, 10 weeks, 8 hours, $ 16 / hour => 2 \* 5 \* 10 \* 8 \* 15 = $ 12,800

Budget Stage: $ 12,800

**Fourth stage**: adding data analysis to the prototype of the application - 1 month

Number of employees, skills: 1 employee, skills - data analysis

1 person, 5 days a week, 4 weeks, 8 hours, $ 18 / hour => 1 \* 5 \* 4 \* 8 \* 18 = $ 2880

Budget stage: $ 2880

**Fifth stage**: testing the prototype of the application - 4 weeks

Number of employees, skills: 1 employee, skills - testing applications and web sites

1 person, 5 days a week, 4 weeks, 8 hours, $ 16 / hour => 1 \* 5 \* 4 \* 8 \* 16 = $ 2560

Budget Stage: $ 2,560

**The final project budget**: $ 29,120