

ABSTRACT

The structure and scope of work. The explanatory note of the diploma project consists of five chapters, contains 17 figures, 21 tables, 2 applications, 2 sources.

The diploma project is dedicated to the development of the software solution for restaurant activity support in order to increase its effectiveness through automatization of some regular processes.

In the data support chapter the incoming and outgoing data were determined; also the database that meets the goals of the project was developed.

In the mathematical support chapter the mathematical formulation of the problem was presented and its optimal solution was described.

In the software support chapter the software development tools were described; the technical requirements were determined; software architecture was described.

In the technological chapter the user manual was described and some testing was conducted.

RESTAURANT, AUTOMATION, PROBLEM OF EXPERTS, GREEDY ALGORITHM, COSTS MINIMIZATION.

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