Online Reservation System Project

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Environmental information systems occupy a significant place in the 21st century. Not only does new technology do the physical work in factories, it also makes life easier for everyone. Progress is made not every year, but every day, and smartphones are an integral part of the modern man, as a watch, because it performs many functions - it reminds, rings, wakes, buys, informs. Not surprisingly, software development is now focused on mobile development. You can do just about anything with your mobile phone and tablet. The idea for booking tables, creating an order, paying through the app is relatively new, and the solutions used were only applied to book tables through an app that is not very common in Ukraine. [1]

Generally, I would call it a digitization process, a process where your smartphone is not just a gadget with photos and music, but an information source of everything, a device by which you perform operations of different types in seconds without lifting your chair. Ideally, this system has 2 branches - one for the visitor and the other for the cafe staff. The creation of this application is primarily to save time for the visitor, convenience in the payment procedure, choosing a meal, as well as setting up work in a cafe or restaurant (no queues, the visitor selects a table, selects a meal and also pays through the app). The purpose and objectives of the study:

1. Analysis of the literary sources of this subject area.
2. Carry out a systematic analysis of the problem and subject area and justify the possibility of solving it.
3. Analysis and study of project requirements.
4. Project implementation planning.
5. Implementation and tracking of the project implementation.
6. Project completion, analysis of results and compliance with design requirements [2]

The idea for the program is to create a mobile application for ordering a meal, booking a table, getting acquainted with the range of dishes, payment. That is, an application that can not only order a table, but also select a dish and pay for the order. In the real-time system, it is planned to display occupied and reserved tables in a cafe or restaurant, create an online menu that displays all the dishes available, create a module for payment, a user profile and display the history of "orders". Thus, an alternative version of the application with wider functionality was developed. The idea and features of the program were described, ways to solve problems.

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