**Online booking tables service**

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Project summary

21 century is the age of information technology. With the introduction of information technology, the world has become a better place and services improved. With the development of information technology, people are using online services more often. Online services help people save time. At this time, the rapid development of a type of online service online booking. Еvolution of the online booking service, clients can specify their booking requirements, such as the name of the institution, places in it and pre-ordering any preferred food. Gastronomic tourism has become one of the most relevant reasons for traveling around the world. The demand for places for cooking and catering is growing exponentially. From this it is clear that catering establishments should improve their productivity and organization. Online services have provided maximum flexibility for customers, and the real value of an online booking system lies in the business rules and processes that package content and provide the opportunity to make purchases. We art planning make service which clients can order food and booking tables our world. Clients can order food from favorite restaurants without leaving home and office and booking table without going to a institution.

**Similar websites**

We investigated analogues in Kazakhstan where you can book a place in establishments. There are no projects on the local platform with the same features and properties. There is a similar site to our idea – Zenge.kz. Zenge.kz is a fast and convenient service for ordering food and booking tables online only in cities -Almaty and Nur-Sultan. Here you can order food from restaurants without leaving your home, workplace and book tables, leaving an advance payment on-line, without going to the institution. But its properties only book a seat without seeing which seat you are going to book. It only describes place with words. But our idea is different, we want the client to be able to book a place, seeing where this place is from a photo or using virtual reality. It one of the benefits of our website(application) is the ability to use a virtual reality, 360 degree camera or map to look inside the restaurant and select seats when booking tables. Because this function is usually expressed in the form of a description or a comment, which is less convenient for the user and has a low degree of accuracy, it is unlikely that the locations chosen by the staff would meet the client's expectations. There is another site ‘logovo.kz’ that is similar to our idea, but it is related to the sale of apartments. They use a 360 camera to view the inside of the house and has house plan as a map to move through the rooms. It helps client to better understand the structure of the house.

Our website allows admins to easily manage the boarding of guests in restaurants and cafes using the application. The service contains the main functionality - connection of deposits for table reservations, SMS reminder for a guest about a booked table, detailed statistics on the workload of the establishment and all guest applications. The program collects statistics on the workload of the institution by hour, day of the week and month. There is also statistics on the attendance of guests: names, phone numbers and emails, the date of the last visit and their total number. It is all will be done with database tools that stores and manages data, manipulating data with node js. We will use languages like JavaScript code and Node.js for the backend. We gain all the benefits of full-featured JavaScript programming when we use Node.js as the back-end's foundation.

Our site has two roles:clienta and admin.

**On interface of admin we will be visible this parts:**

Personal account for menu management and reporting.

Page in web-site for monitoring all applications.

Hall layout

Detailed statistics

-what time most clients came

-what table more comfortable

Admin can add new tables and to create plan of institution.

Admin enter area and himself create everything there is on the institution using ready-made templates.

Ready-made temple mates can be table, sofa, all things are on the establishment

Search for applications by phone number or name

The layout of the hall with the display of employment

Adding posters and stocks

Adding a photo of general establishment

**For clients interface will be visible**

Extension and change of booking time

The layout of the hall with the display of employment

Color design of the booking window

- when the table is booked, it lights up red, else lights up green.

The workload of the institution in real time

Selection of free or vacated tables by the desired time

Possibility of online booking of a free table

Online cash desk

Hall layout

**Features of our project:**

Fully automated service for processing orders and bookings

Quick search for available and vacated tables.

New request from the guest

The guest himself makes a reservation for a free table in the widget on your website. The hostess sees the new reservation and the guest's contacts.

Photos of tables and hall layout

Hourly booking. Clients can adjust the booking step by time.

For example, a guest will be able to book a table for 1 hour, for 2 hours, and so on.

The time step can be customized

Free and vacating tables. Clients will be able to see in real time the available tables and the time when the occupied ones will be released

Photo gallery. Upload photos of the general plan of the institution. So that clients can better understand the atmosphere of your establishment

Poster / Promotions Post promotions and announce events. This will motivate guests to book a table with you

Clients can independently choose a table from the photo, the one that they really like

See the workload of the institution in real time. They will easily pick up a free or vacated table by the desired time. Book a table on their own online

SMS reminds the guest of a previously booked table in a restaurant