Title: Web application with smart interface

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Introduction

This document shows some techniques and results on the development of a web application to place orders for various food businesses in the Zitácuaro region, as well as a general description of the tools used for its development.

Two sections were developed within the application where the part of a normal user is contemplated, who is the person who orders the food and the section of a vendor where he can register, modify, edit or delete the products that the client will see.

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Methodology

Prioritized Problems to Solve

• Growth and updating of the forms of purchase of food businesses in the region. • Practicality and facility to place orders in a more comfortable way for people.

• Safety of people in terms of health in these times of COVID and personal safety since currently one is in great danger by being away from home.

Hypothesis

A web application gives food businesses the opportunity to facilitate their sales in the area of Zitácuaro

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Methodology

General objective

Develop a mobile application in which orders can be placed to different food businesses in Zitácuaro from the same and this notifies the owners of the restaurants or businesses of the orders.

Specific goal

• Design an optimized application that loads and respond quickly.

• Place orders through the application.

• Provide practicality to owners of food businesses such as restaurants or places where home deliveries are made, also providing users who order food with the ease of having at their fingertips different all businesses in the Zitácuaro area in a single application.

• Notify business owners when users place an order and they ship it to the user. security goals

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Methodology

Justification

The purpose of carrying out the project is that through the mobile application, users can be making orders to various places or food businesses since in the Zitácuaro area there is no mobile application or method that allows us to access different types of food quickly and efficiently and in a single application, so the creation of this application is considered feasible.

Said application would make it easier for users to make their purchases in a very practical and efficient way, on the other hand, it will allow sellers to have new sales methods in which can update their businesses since today technology is at the hand of all people. It is important that small, medium and large businesses generate actions to achieve their competitiveness, and that better be using technology that is embedded in our daily lives.

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Methodology

An infallible tool, as a model in the development of software products is the Sequential Model of software engineering:
- analysis,
- design,
- developing,
- implementation.

Design

Software design is really a process of many steps but it is classified within itself.
Defining the application modules:
 * Customer module: orders and order confirmation, add dishes, edit dishes, show dishes, category, add and edit business fields
 *User module: orders, purchases, user settings

Developing

This activity consists of translating the design of a machine-readable form. In the software application for this project, code generation refers to both the part of generating virtual environments, and the part in which behaviors are added to these environments. In short, this activity involves generating code

Analysis

In the requirements gathering process, the focus is on the software. Within the analysis process, it is essential that through a collection of functional and non-functional requirements, the software developer fully understands the nature of the program that must be built to develop the application, the required function, the behavior, performance and interconnect .Identification of priority modules of the pro cease
- Customers
- Sale and registration
- Tracking vs delivery

Implementation.

There will undoubtedly be changes in the software, as well as some modifications to its functionality. It is generated that the software can adapt to changes in the external environment, once the code is generated, software or application tests are carried out.

Results
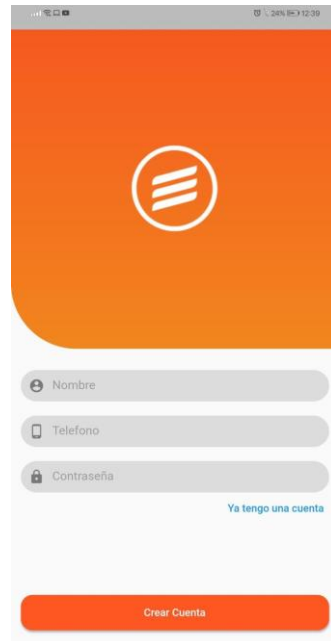

Figure 1 Login Screen

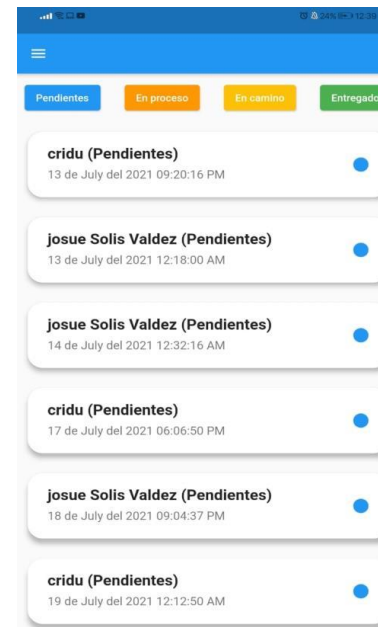**Figure 2.** Link that sends us to the login screen

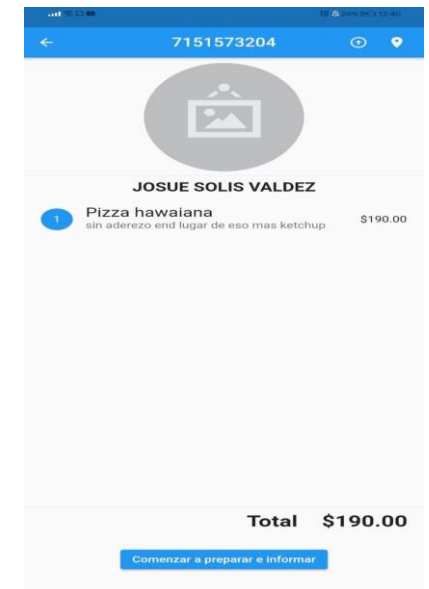**Figure 3.** Link that sends us to the login screen

Figure 4 Current order process

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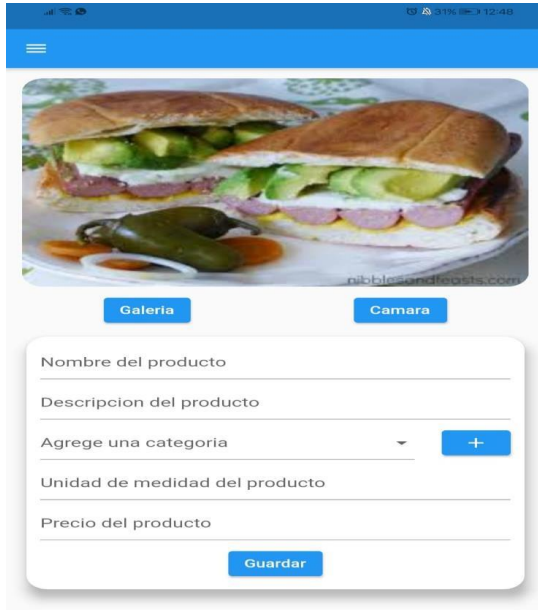
Results

Figure 5 Location on map

Figure 6. Add product or dish
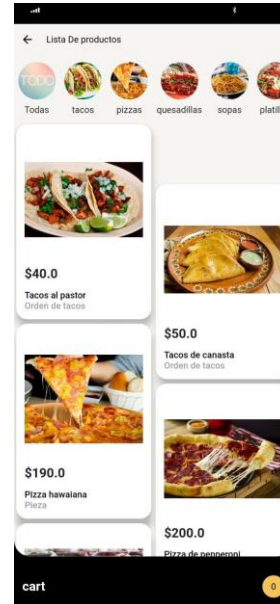

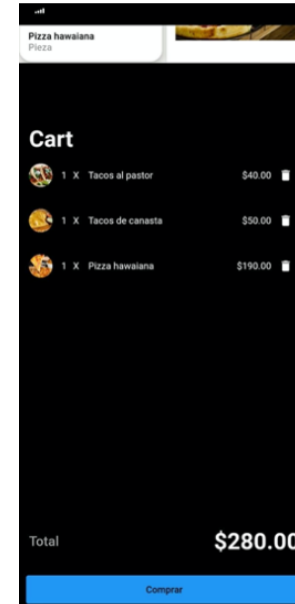
Figure 7. List of all existing dishes
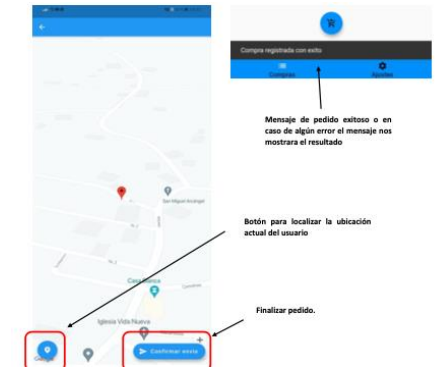

Figure 8 Cart list

Figure 9 Customer Location

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Conclusions

Obtaining a real-time application and likewise a strengthened structure, using current technology, but also with new business approaches, it can be said that the hypothesis is fulfilled with a good level of significance, supported by Cronbach's alpha model.

Technology in the last two years has been an emergency tool to a support tool, web applications are that tool that no organization should stop using.

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