Software to control the use of table games in the fast-food restaurant *"Ni ton Ni son"*.

Problem

The team aims to create a user management system for the board games of the fast food restaurant "Ni ton ni son", located in front of the ESPE. This system will allow customers to have greater control over the available table games, since they will be able to know who has them, which ones are available, how long they have been used and their current status (complete, incomplete or damaged).

Overview

An adequate organization is always required in many types of establishments, but especially in places where a product is provided during intervals of time, always being aware of who these are delivered to and in what state they are returned, it is important since in In the event that these have some type of irreparable damage, it is the establishments that have to assume the costs of repurchasing products that are in poor condition in order to keep their services active. and of quality

Background

Offering recreational and entertainment activities in food establishments is an effective strategy to stand out from the competition. However, this initiative can present challenges in the long and short term. For example, the inclusion of board games may result in potential financial losses due to misuse, deterioration, or loss of game pieces. Also, replacing these parts can often be expensive.

To address these issues and ensure proper control of table games, the implementation of management software is proposed. This software will enable more effective control over table games, including identification of who is using the games, game availability, duration of use, and current status (complete, incomplete, or damaged). With this approach, it is expected to minimize economic losses and improve the customer experience in the food establishment.

A user management system offers us certain benefits such as:

- Control and tracking: A user management system can provide more effective control and tracking of who is using a certain product or service, how long they have been using it and what is its current status.
- Increased efficiency: A user management system can improve efficiency and reduce the time and resources required to manage users and their activities.
- Accessibility: A user management system can make products and services more accessible to users, which can improve their experience and satisfaction.

- Analytics and reporting: A user management system can provide detailed reporting and analytics on user activity, which can help businesses make informed decisions and improve their operations.

In summary, a user management system can provide a number of valuable benefits, including more effective monitoring and control, increased efficiency, accessibility, security, detailed analytics and reporting, and reduced errors.

ANALYST COMPARISON

A user management system has been planned that serves to organize how the games are used within the establishment. Let's remember that the place in which we are going to base our software also depends on the games that exist here, since, being a meeting place with a youthful atmosphere, for university students these are also a great attraction for students who leave class and are looking for a way to have a healthy recreation with their peers. However, in order to keep these customers happy, it is necessary to have control over them, to have several data, for example, which are the customers that visit the establishment and which game is the one that they usually use, this would also allow in some time to buy more in order to meet demand and attract more customers. Also, in cases where one of these is returned in poor condition, it would perhaps allow the person who used it to be charged a penalty. This system would be divided into two interfaces, one in which the customer, who would be the main user, can look at all the required customer information of the establishment, such as Name, DNI, the game he played, the state in which he returned it, time of use, per day, per month and even per year, while the client of the establishment could only see what games are available and select one, for his use, the same one that will be delivered by a member of the establishment's staff. This program could even be reused, changing certain parameters so that it is a system that is applied to the rental of cars, bicycles, tools and other resources. Even if we look at it from another point of view, a user management system can be useful in clinics, hospitals and other health centers to manage patient access to medical services and appointment tracking. In general, a user management system can be applied in any situation where it is necessary to control and monitor the access and use of products, services or resources by users.