Golden India Project

Project Proposal for Complete System Integration

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**History**

The business is family owned and has been in the same location since 1995. A husband and wife take care of most all the duties in the store but sometimes have a few other people come in and work for them. They originally opened as a restaurant and a grocery store. In the last year due to COVID-19 they have shut down dine in eating and are mostly focusing on the grocery store aspect. They do however still offer takeout orders.

**Proposed Project**

They are currently focusing on the grocery store and that is what they would like help with. They do not have an IT system in place when it comes to inventory, sales, and keeping up with employee hours. The services that they would like included is an IT system for inventory, a way to track sales and keep record of it, a way to track employee hours, and a phone application for employees to check their schedule.

**Inventory**

The inventory system we are planning to put in place would allow the owners to view what they currently have. It would also allow them to make changes to what they have rather it be that they need to add more of an item or remove something because it went bad. This system will also be necessary because it will be the driving force for the rest of the system when making sales and accepting orders.

**Sales**

We would also create a new point of sale system that would allow them to make sales in the grocery store and simultaneously update their inventory for the products purchased. This system will make it much easier for them to keep up with how much business is being done and how much money they are making.

**Employee Scheduling**

This is a family run business and they only have a few employees they still make a schedule so they know who will be there and when. This system will consist of allowing the user to enter in a date and hours for a certain employee and then allow them to view when they are working.

**Mobile Scheduling Application**

We are going to create a mobile application that will allow employees to check their upcoming schedule. The employee will have to log in using a username and password. Upon logging in the user will be able to view their paystubs and company announcements.

**Data Analytics**

Focusing on getting the customer in the door and on the items that sells a lot. Specifically, in the holiday/festival season. Also, tracking the customer’s past purchases by their age, gender and assigned customer ID. Identify items frequently purchased together. Using this data, we can make suggestions for the customer. Tracking gross sales of the company on a quarterly basis.

**Type 1:**

* Based on customers buying history we can make recommendations about new products
  + Based on the customers profile and buying habit/frequency we can recommend what similar age group customers are buying
  + We can “rank” the most bought items by similar customers with similar profile

**Type 2:**

* Also based on the items in the customers “cart” we can recommend what other items they can purchase.
  + For a brand-new customer or customer with new profile we can make recommendations based on what other items are being purchased along with the item that is in their cart.
  + At the point we can also recommend “promotions” for any supplementary items based on what’s in the cart.