

A startup wants to offer a service in which restaurants could manage their orders, employees, clients, etc. So, this project is about developing the API to support their idea and business.

We need a portal to manage different restaurants. Any of these has a name, a kind of food, and a group of employees and administrators.

The portal manager can add, update and delete the restaurants and the kind of foods. Any restaurant had different options to pay the portal a commission for any order or monthly pay. The manager can see the record pay (In the case of commission pays, you need to sum the quantity for the month). Add promotion types.

When the restaurant selects the monthly payment and doesn't do it, they need to disappear from the app. Needs to check all the days because when inserting the restaurant, you can choose the day to pay.

Another role in the portal is the restaurant administrator, who obviously can edit your information as the menu, branch offices, inventory, and the employees. Any restaurant can own one or more restaurant administrators. The portal manager defines the limit of administrator by the restaurant.

Different categories split the menus of any restaurant (Starters, meat, desserts), and the administrator can add, edit or 'delete' the number of dishes that he wants, with a name, price, description, and a photo (The photo needs to save in an extra service like Amazon S3). The dishes are related to the inventory that the administrator can set the recipe if the branch doesn't have enough ingredients that need to appear disabled.

Another administrator functionality is: Enable or disable the different forms to deliver the food (Pick-up, deal, or order to eat in the place). The portal manager manages the type of deliveries available.

This role can manage the branches available and the information (direction, phone, photo of the facade). In addition, needs to set the restaurant manager and the employees. Again, the portal manager defines the number of active places by the restaurant.

The monthly payment will execute for the administrator, and this can see all the past pay, already can pay one or more months. An optional requirement needs to return information to fill charts where give statistics like the number of orders, dish more ordered, etc.

The last function of the administrator is the possibility to set promotions that will for a season, by undefined time, dishes combos, etc. And it can select if only apply to a specific branch or in general.

The branch manager is responsible for setting the availability of the ingredients needed for the dishes. And check the list of pending orders to finalize. It is necessary, can work in it.

The employees can see the pending orders and change their status when finalizing (Status examples: preparing, finalized, delivery).

The clients can see the menus of all enabled restaurants and create orders. If the restaurant has the delivery option available and the client selects it, the order will need a direction. Also, they can see your order history. For that reason, if the restaurant administrator deletes an option on the menu, we need to conserve the record on the database. And you might allow authentication with third services (Google, Amazon, Microsoft) for the clients (Only one-third service).