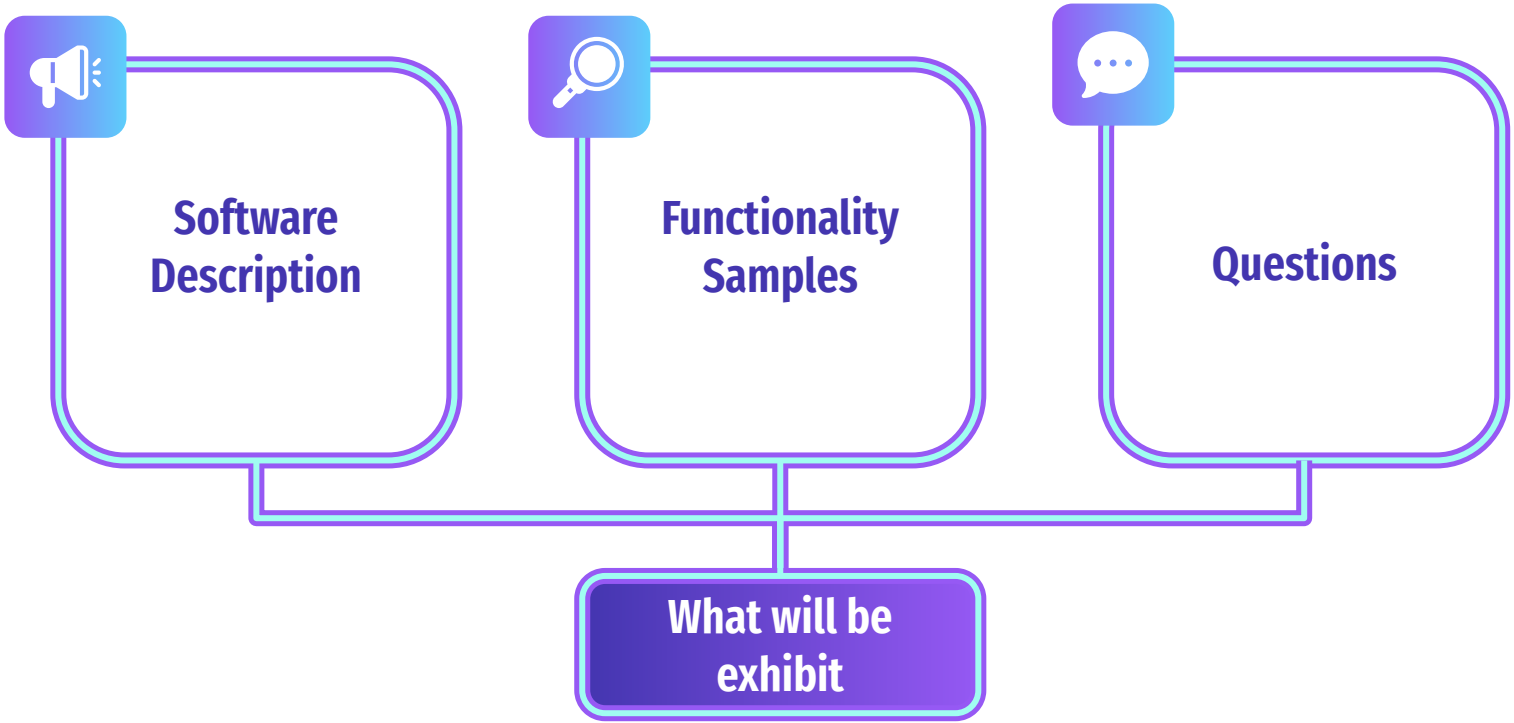
Data Base For a Restaurant

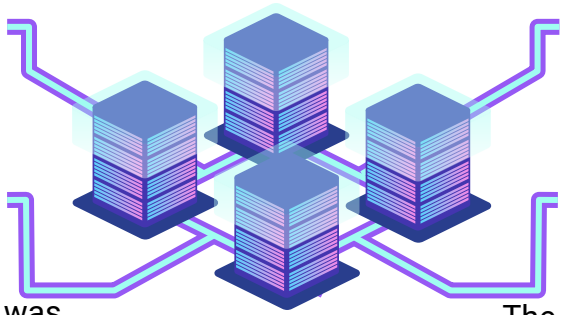
Workgroup: Señores del Señor

Presentation index



Implemented Solutions

Each of the solutions addressed for each requirement provided by our clients is described below.



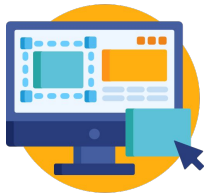
Design and Implementation of a Database

In the first instance, a database was created following the various stages of database design itself, these being:

- Requirements analysis
- Conceptual design
- Logical design
- Physical design

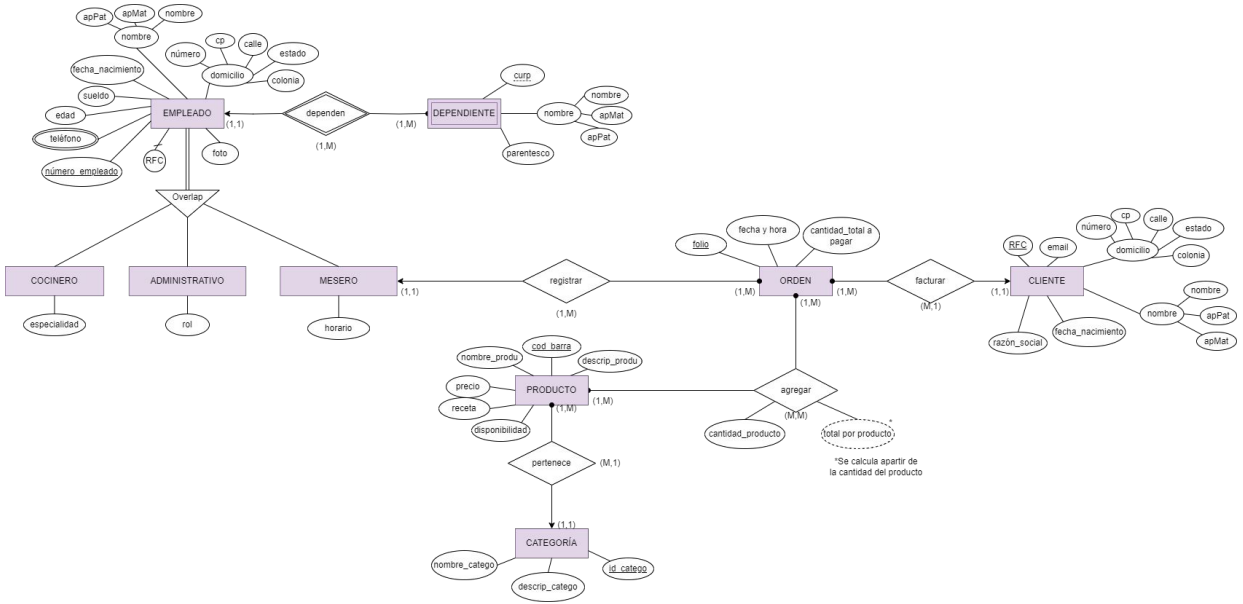
Requirements Analysis

The solutions that will be covered throughout this stage were defined, after analyzing the specific requirements defined by our client. Likewise, during this stage, we define various elements that seek to generate value for our client's business, such as the implementation of the web interface.



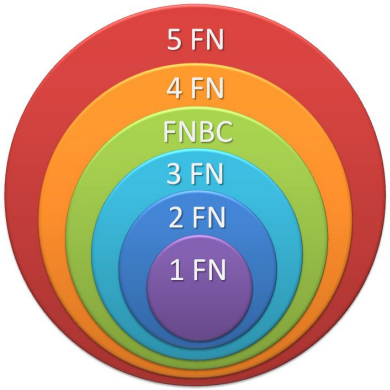
Conceptual design of the DB

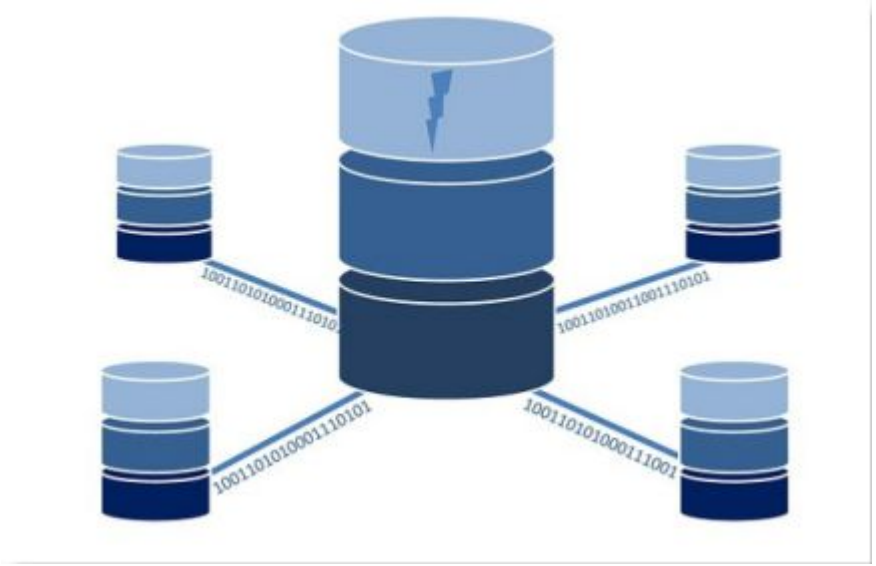
During this stage, the design of the base entity-relationship model was first carried out, taking as a source the storage requirements defined by the client. That said, this model is the one that defined the behavioral relationships of the base. Furthermore, based on this design, the intermediate relational model was created, this as a good practice which will ensure the integrity of the model.



Logical design of the DB

After the previous stage and in a dependent manner, the final relational model of the base was created, a model which defined the implementation and programming of the database. It should be noted that it was during this stage that the normalization process was carried out, this as a good practice and as a way to maintain the integrity of both the database and the information it stores.





Intermediate Relational Model

A	B	C	D	E	F	G	H	I	J	K	L	M	N
num_empleado	RFC	edad	sueldo	fecha_nacimiento	foto	nombre	ap_pat	ap_mat	numero_domicilio	cod_postal	calle	estado	colonia

Datos personales del empleado: $B \Rightarrow \{C, E, G, H, I\}$

Empleado: $A \Rightarrow \{B\}$

Domicilio $A \Rightarrow \{J, K, L, M, N\}$

A	B
num_empleado	especialidad

Cocinero $A \Rightarrow B$

Intermediate Relational Model

A	B
num_empleado	rol

Administrativo $A \Rightarrow B$

A	B
num_empleado	especialidad

Cocinero $A \Rightarrow B$

A	B	C	D	E	F
CURP	num_empleado	nombre	ap_pat	ap_mat	parentesco

Datos del dependiente $A \Rightarrow C, D, E$

Parentesco $\{A, B\} \Rightarrow F$

Intermediate Relational Model

A	B	C	D	E
folio	fecha_y_hora	cantidad_a_pagar	rfc_cliente	num_empleado_mesero

Orden $A \Rightarrow \{B, C\}$

Mesero $E \Rightarrow$

Cliente $D \Rightarrow \{C\}$

A	B	C	D	E	F	G
cod_barra	nombre_produ	precio	receta	descrip_produ	disponibilidad	id_categoria

datos del producto $A \Rightarrow \{B, C, D, E, G\}$

disponibilidad $A \Rightarrow F$

Intermediate Relational Model

A	B	C
id_categoria	nombre_catego	descrip_catego

Categoría $A \Rightarrow \{B, C\}$

A	B	C	D
cod_barra	folio	cantidad_producto	total_producto

Agrega {A,B}=>{C,D}

Intermediate Relational Model

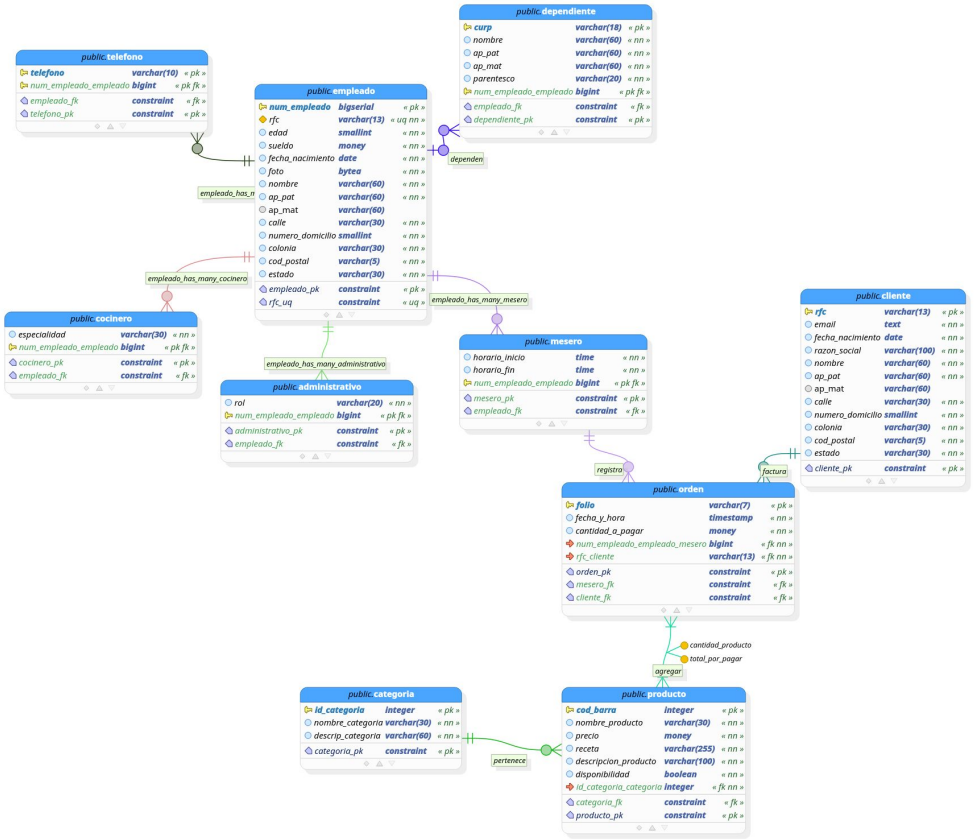
A	B	C	D	E	F	G	H	I	J	K	L
rfc	email	fecha_nacimiento	razon_social	nombre	ap_pat	ap_mat	numero_domicilio	cod_postal	calle	estado	colonia

Datos personales del cliente $A \Rightarrow \{B, C, E, F, G\}$

Domicilio $A \Rightarrow \{H, I, J, K, L\}$

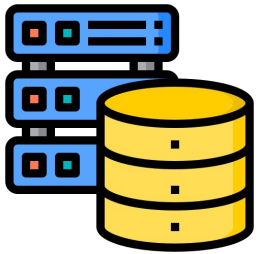
Razón social $A \Rightarrow D$

Final Relational Model

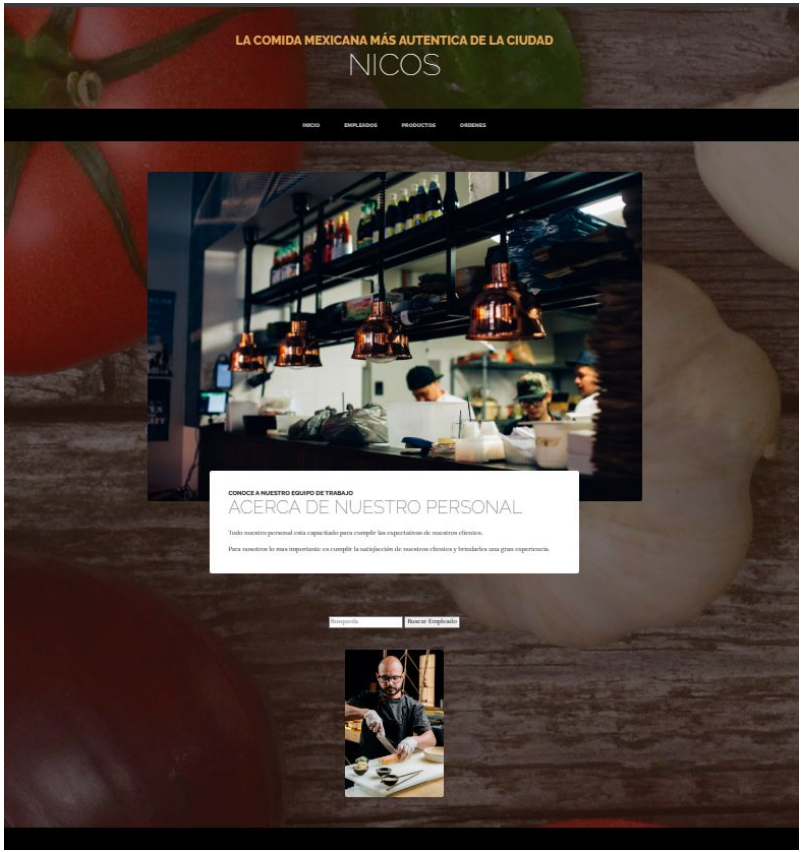


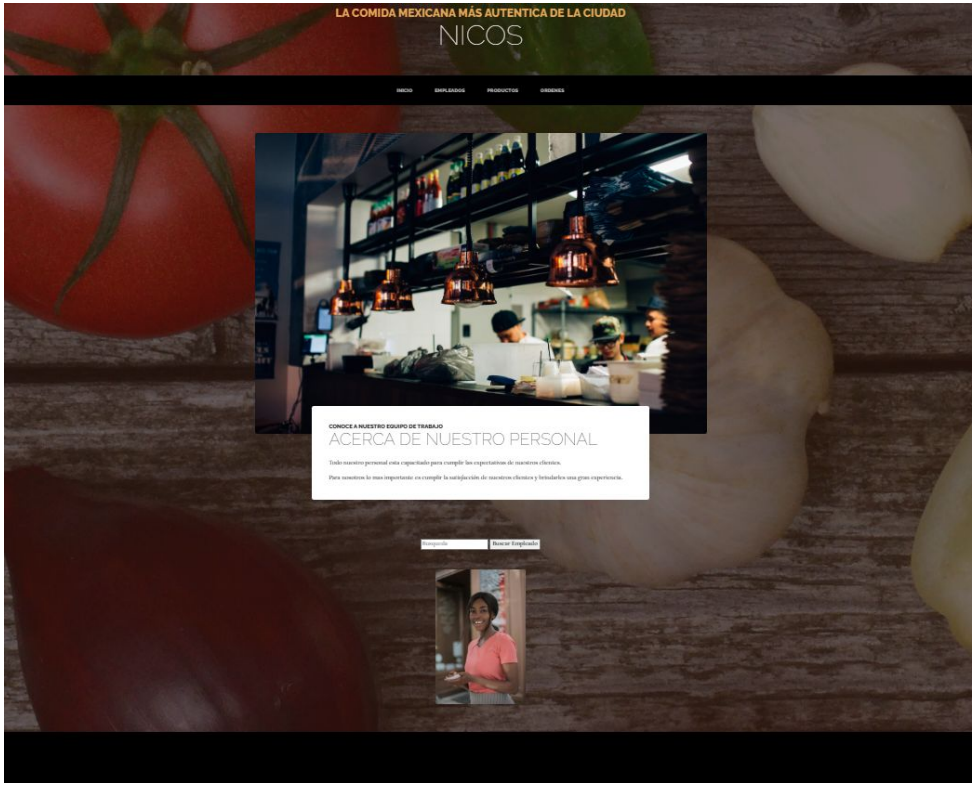
Physical design of the DB

During this stage, the implementation and programming of the database were carried out, all based on what was previously done. Thanks to this stage, subsequent solutions to the explicitly defined requirements could be implemented.



DEMO


LA COMIDA MEXICANA MÁS AUTENTICA DE LA CIUDAD
NICOS
INICIO
EMPLEADOS
PRODUCTOS
ORDENES
CONOCE A NUESTRO EQUIPO DE TRABAJO
ACERCA DE NUESTRO PERSONAL
Todo nuestro personal esta capacitado para cumplir las expectativas de nuestros clientes.
Para nosotros lo mas importante es cumplir la satisfacción de nuestros clientes y brindarles una gran experiencia.
Búsqueda
Buscar Empleado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Any Questions?