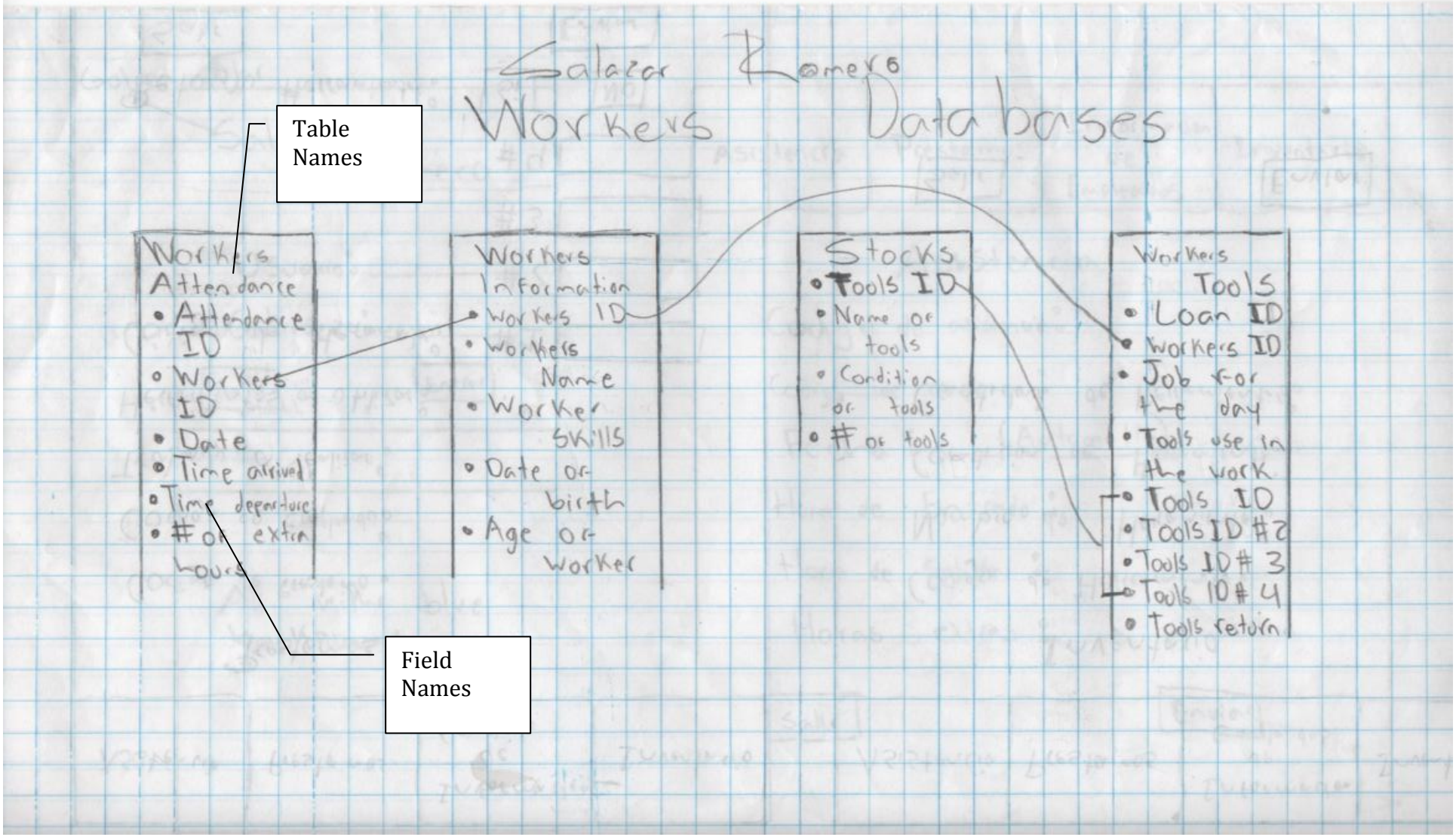
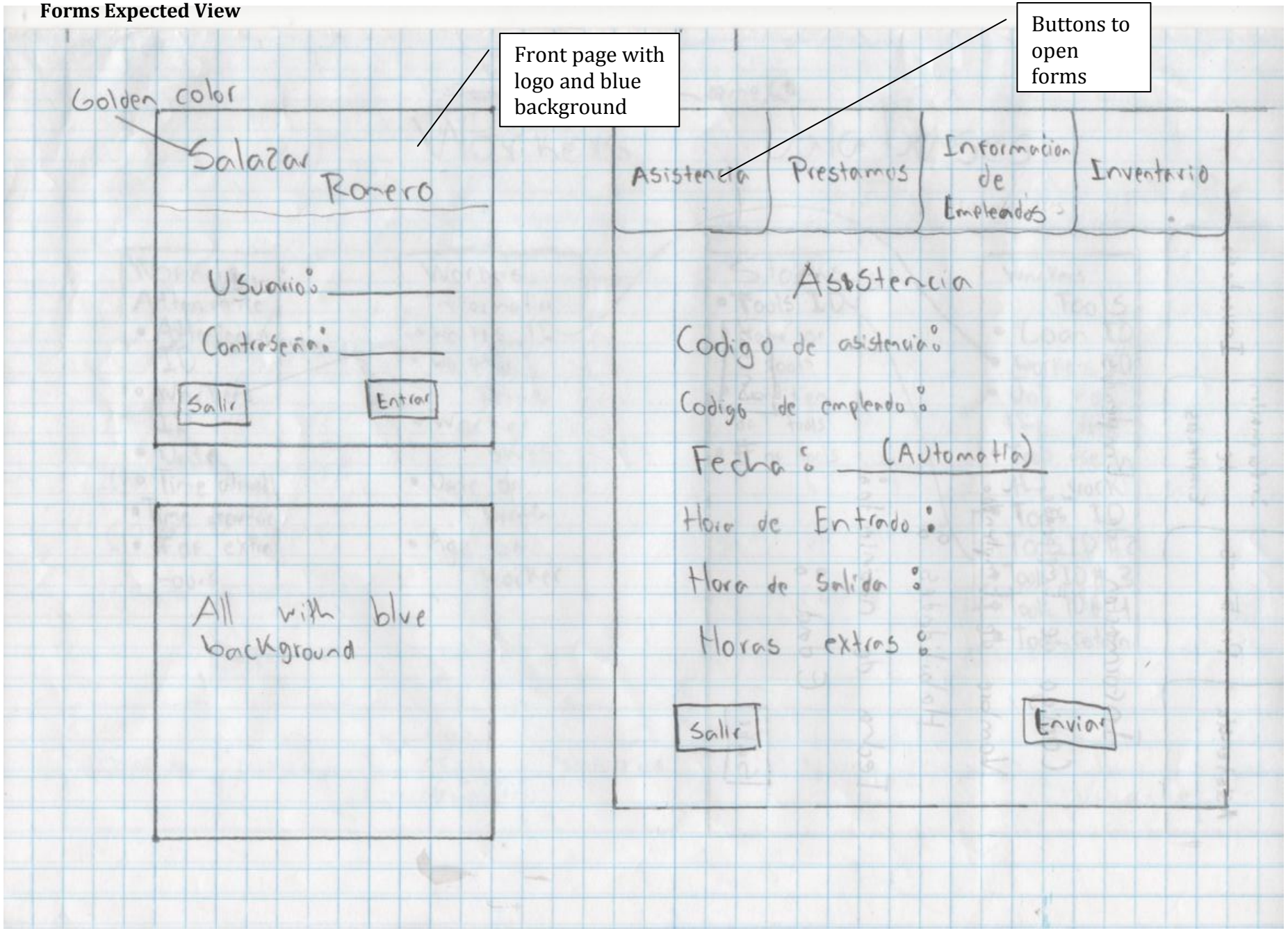
Criterion D: Product design—Overall structure

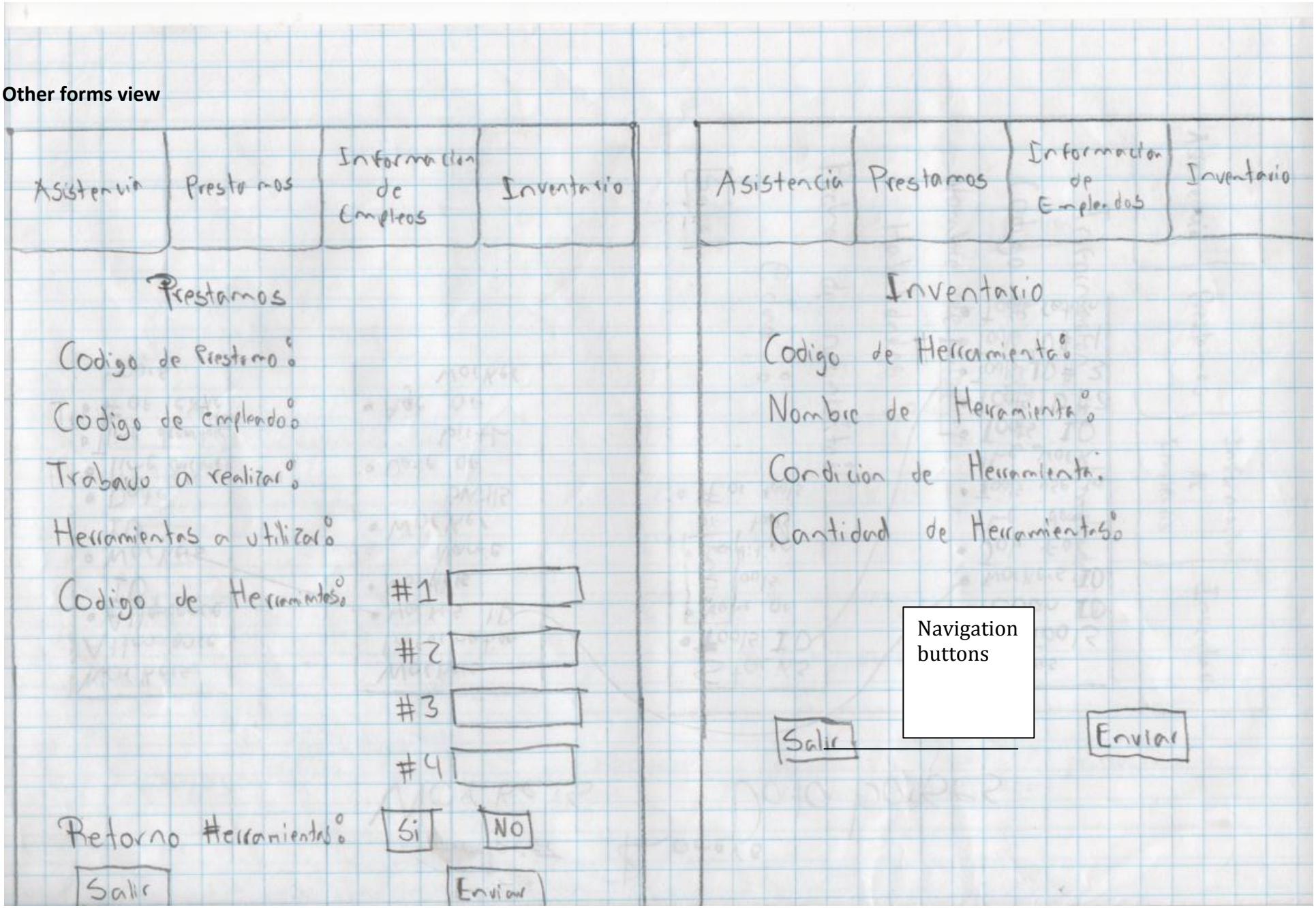
Internal Structure, this shows the table relationships

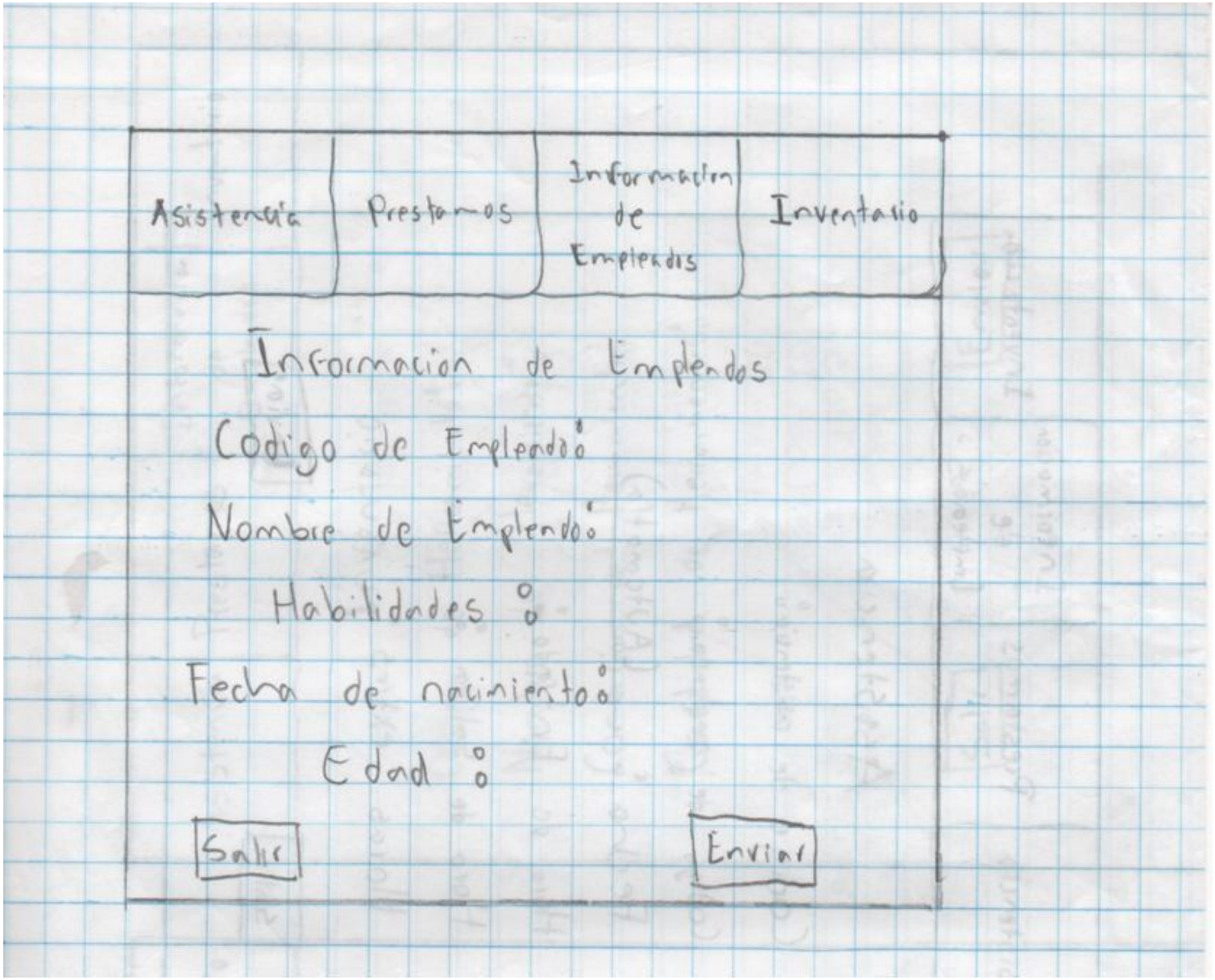


Forms Expected View



Other forms view




Asistencia
Prestamos
Informacion de Empleados
Inventario
Informacion de Empleados
Codigo de Empleado
Nombre de Empleado
Habilidades
Fecha de nacimiento
Edad
Salir
Enviar

Overall structure of website

Workers Attendance	**Data Information**	**Validation Rule**
Attendance ID:	Auto number	Presence check
Workers ID:	Number	Presence check- length check
Date:	Date cannot be in past of future	Presence check- range check- length check
Time arrived:	A hour of the day, that will have hours: minutes	Presence check- range check- length check
Time departure:	A hour of the day, that will have hours: minutes	Presence check- range check- length check
Number of extra hours:	A number of no more than 2 digits	Presence check- range check- length check
Workers information	**Data Information**	**Validation Rule**
Workers ID:	A number of no more than 2 digits (auto number)	Presence check- length check
Workers Name:	Only letters	Presence check- type check
Workers Skills:	Only letters	Presence check- type check
Date of birth:	A date no further from the present day.	Presence check- range check
Age of Workers:	A number of 2 digits	Presence check- range check- length check
Stocks	**Data Information**	**Validation Rule**
Tools ID:	Auto number	Presence check
Name of tools:	Only letters	Presence check- type check
Conditions of tools:	Only letters	Presence check- type check
Number of tools:	Number	Presence check- type check

Loan	Data Information	Validation Rule
Loan ID:	Auto number	Presence check
Workers job for the day:	Only letters	Presence check- type check
Tools use in the work:	Only letters	Presence check- type check
Workers ID:	A number of 2 digits	Presence check- type check- length check
Tools ID:	Number	Presence check- type check
Tools ID #2:	Number	Presence check- type check
Tools ID #3:	Number	Presence check- type check
Tools ID #4:	Number	Presence check- type check
Return tools:	Yes/No	Presence check- type check

Internal structure

List of resources and techniques

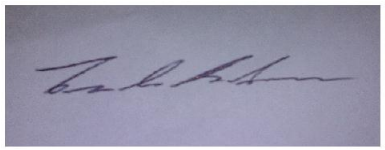
Resources	Details
List of workers	The names of all the workers, age of workers, ability of workers, this will be provided by my client as well as pictures of the workers.
List of tools	Specification of tools, the number of tools, condition of tools, this will be provided by my client Carlos, he will give me a detail list of all the tools.

Techniques	Details
Graphic Fields	Get the picture of all the workers, so when they input there names in the database you can see who they are
Calculated Fields	Calculate the number of tools left in stock
Complex queries	Automatically find the name of the workers who arrive late
Proficient design	The design must be efficient and simple to use
Easy to use	The product will have a simple interface in which all the buttons and abilities are going to be
Related tables	Will have more than one table, it will have the stock table, the attendance table, information of
Validation	Use to keep the data correct

Test plan

Test item	Test data	Part of system tested	Expected outcome	Actual outcome	Comments	Ref in product
Cover page testing – REQUIRED ELEMENT FOR CRITERION G						
Web pages load from the cover page in three different locations	File naming to ensure home page is called Index.htm	Links on cover page are relative	Loads as required from 3 different locations			
Product testing						
Fields	Valid or invalid as appropriate	Input data	Valid or invalid as appropriate	YES		
Relationships	Connected corrected	Relationships	Everything is connected correctly	YES		
Queries	Search for appropriate fields	Query	Correct data and fields are shown	YES		
Form	Data is impute correctly	Form	Data is input correctly in the correct tables	YES		
Report	Data is displayed and calculated correctly	Report	Data is correct	YES		

Agreement of client



"I agree with the project structure and layout" – Carlos Salazar