**Report of project**

**Civil Registry**

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**INTRODUCTION**

* A government institution that provides proof of various events and procedures associated with the marital status of individuals knows it as the Civil Registry. The marriage the birth the death the emancipation and even the names and surnames of human beings are recorded by these entities, in general, they are responsible for managing various personal documents.
* Supporting the existence of civil records is the need for the state to obtain reliable information on citizens, which fulfills the tasks of protection and social assistance and develops policies based on the use of the statistics emanating from it.
* Therefore, when one is born, it is necessary to register your birth with the civil registry, which will give an identity document to the newborn.
* There will be your first and last name, date of birth, nationality and other information.
* This registration in the civil registry implies the state’s recognition of the person who was just born: it can be said that a person who does not have documents does not exist for the state, so he is outside the system and cannot access public services such as education and health.
* By registering a marriage or divorce in the civil registry, on the other hand, it is the duty of the members of the spouses. Registration of deaths, on the other hand, allows the exercise of the right of inheritance.
* The Civil Registry, in short, is an institution of great importance to citizens since, through their actions and the documents of these cases, it is possible to exercise a great deal of rights.
* In other words, it is clear that the existence of the civil registry and its procedures provide benefits to both the state and citizens, because greater and more reliable control can only be negative for those who wish to evade their obligations.

**Definition of the program**

* The civil registry program is a very important program in working life. Our project is taking about The civil registry belongs to the Ministry of Interior and is used to extract the national ID card, birth certificate, its renewal, and so on.
* We will be exposed to implementing that program in the C# programming language, which is one of the most important programming languages, the most beautiful and the deepest.

**User interface:**

When the user run the program the first form is displayed included the program name “civil registry application “and include 2 choices the first is to enter the menu and the second is to exit the program

After that, you will find yourself faced another form include 2 options:

* First: Birth certificate extract.
* Second: Extract the national ID card.

**The first choice:**

The first service is to obtain a birth certificate when choosing it. It asks you to enter a set of personal data such as the first name, last name, the national number of the father, the day of birth, the month of birth, the year of birth, the mother’s name, the national number of the mother and your nationality. Then he asks you to specify the gender.

Then the program asks about your religion, choose one if you are a Muslim, two Christian, three other than that. Then he asks about your place of birth, choose your governorate, and then displays a birth certificate that is basically your request and includes all your data that you previously entered, the form include many functions

Year birth: it is a function is responsible for determining the first number in the id number according to the date of birth . If the year begins with 2, it will return to 3, and if the year begins with 1, it will return to 2.

Last year: it is a function is responsible for determining the third and the fourth number according to the year of birth

government: the main function for place of birth. A list of options comes out for you, consisting of 28 governorates, next to each number. Every citizen has a unique number for the governorate in which he was born.

Gender: to determine the gender, male or female.

**The second choice:**

The second service is to obtain the national ID card. When you choose two, the program will ask you. Your national number, first name. The second name. Place of residence. Your job, gender, one for male, two for feminine. Religion. I chose a Muslim. Two Christian. Three for other than that. After that, marital status. Choose one if you are single. Two married, one year release. Then the program shows you both sides of the card containing all your data that you have just entered.

**The first class:**

Customer

* It consists of all the basic and important information about the customer in the private section the following attributes: first name, last name, date of birth, mother’s name, nationality gender, religion, marital status, place of residence, work, the national number, and the national number of the father and the national number of the mother.
* The public section contains default constructor, seters and geters for each of these attributes.
* There is a function act as input validation to the program the function called “ is digit” the function make sure that the user has failed all data needed in the text box to avoid errors

**Data base**

The data base plays an important role in this program to save the data that the user enter and avoid to be loss when the user closes the program.

In the program sql data base is used it include 2 tables the first table collect the data of the birth certificate from the textbox in the form and the second table is for the id card has the data of it and there is a link between the two tables the second table take the data needed from the birth certificate(first table)