

**CSC490**

**Software engineering**

Spring 2020

**Instructor: Karim Youssef**

George Younes  
Youssef Abboud   
Christina Aouad

**Submission 1**

**The Team:**

**Team members:**

-Christina Aouad ID:201800687 Email: christina.aouad@lau.edu

-Youssef Abboud ID:201701055 Email: youssef.abboud01@lau.edu

-Georges Younes ID:201800940 Email: georges.younes01@lau.edu

We have chosen Christina to be the team leader.

**General Tasks:**

* Web programming and Database: Mainly Youssef and Christina.
* JDBC program: Mainly Georges.

**The Client:**

**The company:** Pharmacy Rahbani.

**Information:**

* Location: Lebanon, Jbeil, First floor, Sfeir center, Off-highway.
* Owner: Dr Sonia Rahbani Atteieh.
* Company’s number: 03 171 199.
* Owner’s number: 03 637 937.
* Email: pharmarah@gmail.com.

**The Project:**

**What does the company do?**

Pharmacy Rahbani, which is located in Jbeil, is one of the biggest and largest pharmacies in Lebanon especially in Jbeil. The pharmacy includes 37 employees; it consists of 3 main departments: Stock, Accounting and the actual pharmacy. The main reason behind this pharmacy’s popularity is its ability to import certain medication from abroad.

**What does the company want?**

* Clients have been increasing exponentially. Actual visits to the pharmacy are well handled, a client would enter the pharmacy and ask for a particular medication and the staff will give said client their needs. Many clients, however, call the pharmacy to make sure what they need is actually available or to simply ask a question. The issue around this is that the pharmacy, having one phone and one employee responsible for this, is not being able to handle all the phone calls effectively. This results in angry clients and many complaints such as unanswered phone calls or missing medication.

*A solution:*

Having a website that shows all available products along with the price, the quantity left, and expiry date. The client can email the pharmacy from the website regarding any question. Some products can even be purchased online (following the Lebanese law).

* Another problem the pharmacy faces is the program used for the stock is slow; it is old and does not meet the specified requirements.

*A solution:*

Designing an updated program for the stock (suppliers, invoices, accounting, inventory, expiry date list, price list……).

**Programming environment:**

Languages and disciplines that will be used include JDBC, html, php, JavaScript, CSS, queries, MySQL, etc.

**The importance of the project:**

The pharmacy is losing clients due to the problems it is facing. Our software programs will try and solve all issues faced by the business in hopes of reducing its losses. By handling all clients efficiently and professionally, the business will be able to grow much faster, increasing its profits.