

**Instructor**

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**1)Intro**

In this project we developed a website for pharmacy Rahbani. This pharmacy is a well know pharmacy and suffers from a lot of problems. Clients always complains that they wait a lot of time to get their requirements. This happens because of the enormous number of people accessing the pharmacy on a daily basis. Another complaint is that the pharmacy is not able of handling all the phone calls and sometimes a client would come from a far place to find out that his medication is not available.

In our website we tried to implement fast and efficient solution that can help the pharmacy in handling all client’s requirements as fast as possible. This will reduce the workload in the pharmacy which can improve client’s experience.

Our website contains three main categories:

1. Search
2. Appointments
3. Shopping

In the search page a client cans search for any product he wish to buy, this would solve the previously mentioned problem of accessing the pharmacy and not finding a medication

In Shopping, client can reserve items to be later on purchased in the pharmacy. The scenario would be the following: client access our shopping page, pick his products from the displayed items, for reservations, he enters his name and phone number. All info will be saved in the database and displayed to the admin (Sonia Rahbani). Reserved item would be prepared for the client, with an invoicr. Later on, the client would simply come pay the amount mentioned on his shopping cart and take his product.

In appointments, a client can reserve an appointment in our laser center of the pharmacy.

**2) Description:**

a) How things work:

When accessing Pharmacy Rahbai Website, a page will be displayed, containing all general information about the pharmacy

**Home:** You can access any page in hour website from the Home section

**About us:** General information about Pharmacy Rahbani and access to any department (search, shopping, Laser center)

**Department:** Displaying all the departments of the pharmacy with the needed information

**Our team:** The main responsible person for every sub-department in the pharmacy

**Contact us:** Here you can send us any message.

**Map:** Pharmacy Rahbani Location

**Footer:** Instagram icon that take the user to rahbani laser center/Instagram page

b) How is the front-end interacting with back-end:

In our project we used php as the main back-end language, typically, SESSION, GET, POST methods are used to fetch information from the Front-End pages. Ajax was also used to send data from php pages to database.

c) What is an ideal scheme that should be followed on this interface:

Client-side:

1. Access the website
2. If you want to search for medication, press button search in the carousel or you can press medication searching in the about us section, it will take you to a search engine , type the wanted item and press search. Result will be displayed.
3. Now press back button, if user wants to book an appointment at the laser center press button laser in the home section or you can press laser center in the about us section, it will take you to page containing a form, fill the form, press submit.
4. Now press back button, if you want to reserve any medication press button shopping in the carousel or you can press pharmacy shopping in the about us section, pick the item that you need to reserve, pick another item if you want…., when done, enter you name and your phone number and press reserve here.
5. Now in case you wanted to see where is the pharmacy simply scroll down to the end of the page a map will be displayed containing the pharmacy location
6. Now if you wanted to send us a message, you have two ways, in the contact us section you can fill the form and submit it to us, we will receive an email from you.
7. Or you can press on the green heart widget at the end of our page and chat with us immediately.

Admin-side: (Sonia Rahbani)

1. To access the admin page press admin in the navbar, Sonia will enter her username and password, if wrong password or username it will redirect the user to the main page, if the username and password were entered correctly, access will be granted to the admin page.
2. Here Sonia can see a reservation table for all the product reservation. An appointments table will also be displayed with all the appointments.
3. Sonia can delete appointment and reservations.
4. Sonia can add item to the shopping page or delete an item.

What sort of errors are handled?

Searching for items, database ajax connection, adding item wrongly to the page, connection between the admin page and the shopping page…..

**3) Technologies used:**

a)

1) Client-side Framework: We used jQuery in several pages, whenever we wanted to manipulate DOM elements, change css fields, on click show tables, on click send request…

2)Php: we used php as our backend language, pharmacy shopping, admin, laser center and other pages were developed using php. For example, shopping page, we used session post and get method to get selected item and display it to the user in the shopping cart. We also used it to handle several cases in relation to the database (delete item, add item, empty cart, show information to admin…..)

3)For the database we use MySql.

4) External web services: we used Chatra for the live chatting and formspree for sending emails to the pharmacy in the contact us

b) Used languages: HTML, CSS, secure forms, JavaScript, Ajax (laser center), JSON (laser center) cookies and sessions (shopping cart and admin page).

c) Possible improvements and future possibilities: 1- Improvement in the front-end of the admin page.

2- Adding more features in the shopping page.

d) Include reference to EVERY resource you used (either copied from or got inspired by):

-Whenever when we wanted to execute an idea in the front-end we relied heavily on bootsrap (<https://getbootstrap.com/docs/4.0/getting-started/introduction/>)

- We also checked some front-end ideas on codepen(<https://codepen.io/>)

-Whenever we had a problem we would use as usual stack overflow (<https://stackoverflow.com/questions/>)

-For the external services we used chatra (<https://chatra.com/>) and formspree (<https://formspree.io/>)