




Cheapie Capsules

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Description:

A web application targeting the used valid medications that is no more needed at everybody 's house so other people can use them with affordable prices, everyone has medications at home that won't be using at the near future, and we all know that the medications is all about its expiration date, our target is to deliver those medications on time before their expiry, so it is a win-win deal.

Our target users are the patients who are in need and cannot afford to buy their urgent unaffordable medications, on the other hand the application is not only for patients but also for the people who no longer need their medicine plus the user pharmacies to market and deliver those medications so there will be 3 different interfaces (pharmacist, buyer, seller).

Specifications:

- 1- The login page which has validation requirements for usernames and passwords.
- 2- A page includes pharmacist contacts.
- 3- Stored information about the user and their health records.
- 4- The application will contain a pending posts status so the medication cannot be published without a permission from the pharmacist.
- 5- The pharmacist is not only for giving permission on posting but there will also be a consultation and available contacts with the patients.
- 6 - The user interface for the patient will have to store their medical history (if they have any kind of allergy that will be stored in the application), and they should upload the prescription.

Involved Technologies:

- 1- For front-end: HTML, CSS, JavaScript, Bootstrap, Angular
- 2- MongoDB for the databases
- 3- For back-end: Nodejs

Possible Scenarios:

1. Supplier
2. Demander
3. Pharmacist

1. Supplier:

Being a supplier means that user can register to sell extra medication that they do not use anymore.

1. Sign up as Supplier

[HOME](#) [ABOUT US](#) [OUR SERVICES](#) [CONTACT US](#) [SIGN UP](#) [Log In](#)

Register With Us

First Name

Last Name

Email

Role

Supplier

▼

Password

Confirm Password

Already Register? [Login Here](#)

Sign up

2. Navigate to our services → Selling your extra medicine

[HOME](#) [ABOUT US](#) [OUR SERVICES](#) [FOR DEMANDERS](#) [LOG OUT](#)


Welcome to Cheapi capsules!

please Choose the service you need

Selling your Extra Medicine

getting your Medicine

pharmacists



3. Add Medicine

[HOME](#) [ABOUT US](#) [OUR CERVICES](#) [For suppliers](#) [CONTACT US](#) [Log Out](#)

Please Enter Medicine Name


Colovrin

Quantity of Medicine

2

Expiration Date

12/31/2022



Submit

4. Final view of pending request from supplier side:

HOME ABOUT US OUR SERVICES **Stocks** Giver List User List CONTACT US Log Out

✓ Medicine Added Successfully

Search for medicine

Add medicine

Name	Expiration Date	Price	Dosage	
Comtrix	Dec 23, 2022	5	22	
Colovrin advance	Dec 16, 2022	4	2	
test medicine 2	Dec 14, 2022	4	20	
test medicine 3	Dec 22, 2022	2230	25	

Items per page: 5 1 - 4 of 4 < >

2. Demander:

Being a demander means that user can register to buy rare medications even with cheap prices.

1. Sign up as Demander

HOME ABOUT US OUR SERVICES CONTACT US **SIGN UP** Log In

Register With Us

First Name

Last Name

Email

Role
Demander

Password

Confirm Password

Already Register? [Login Here](#)

Sign up

2. Get medicine

If demander wants to get medicine, they must submit a request which specify name and quantity, pharmacist will check the request carefully. Pharmacists have the right to accept / reject the request according to the prescription and demanders 'health record.

HOME ABOUT US OUR SERVICES FOR DEMANDERS CONTACT US LOG OUT

Please Enter Medicine Name

Quantity of Medicine
0

Submit

3. Pharmacist:

Pharmacist users have the higher authority in the user's hierarchy. Medicine is not a candy; it is really dangerous that's why pharmacist users exist in the system to check the validity of medicine and confirm if it matches the prescription also checking the health record of demanders is one of their main roles.

1. Sign up

HOME ABOUT US OUR SERVICES CONTACT US SIGN UP Log In

Register With Us

First Name

Last Name

Email

Role
Pharmacist

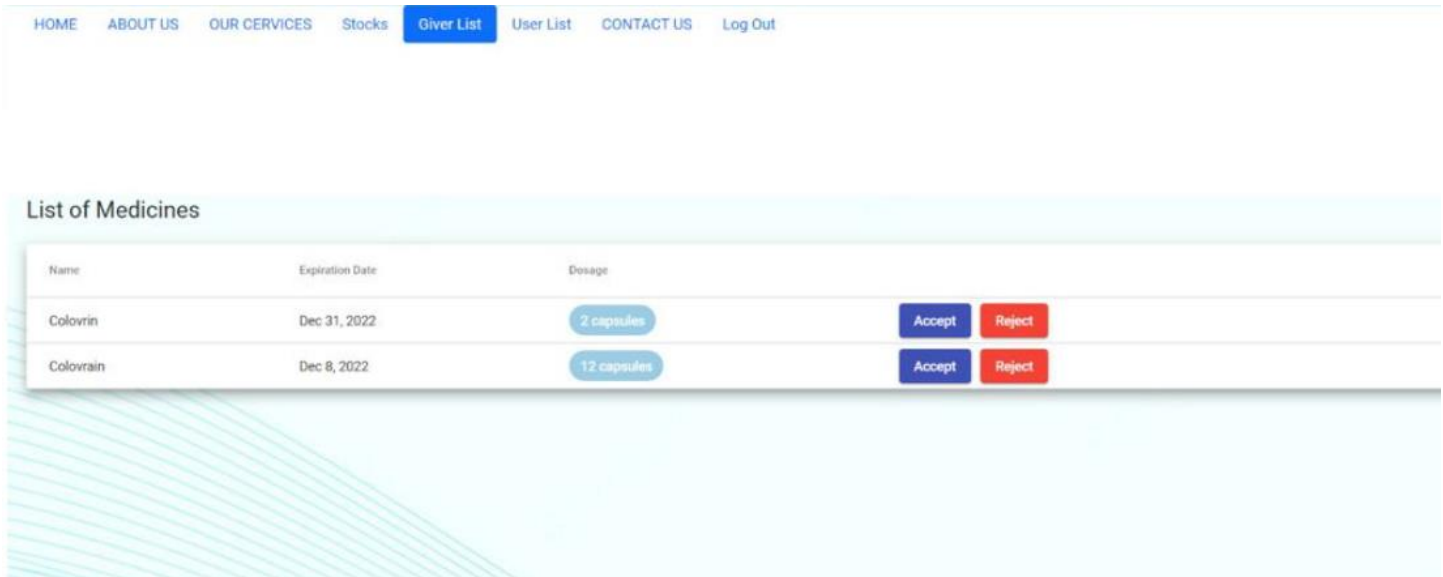
Password

Confirm Password

Already Register? [Login Here](#)

Sign up

2. Navigate to Giver list where pharmacist can find pending requests and they can behave according to the protocol. Pharmacist has the right to accept / reject medicines and accepted medicine will be visible for demanders in the stock. In case of rejecting the medicine, it will be permanently removed from the pending list and will never be shown to customers.



The screenshot shows a web application interface with a navigation bar at the top containing links: HOME, ABOUT US, OUR SERVICES, Stocks, **Giver List**, User List, CONTACT US, and Log Out. Below the navigation bar is a section titled "List of Medicines" which contains a table. The table has three columns: Name, Expiration Date, and Dosage. There are two rows of data. Each row has a blue "Accept" button and a red "Reject" button to its right. The background of the page features a light blue and green geometric pattern.

Name	Expiration Date	Dosage	
Colovrin	Dec 31, 2022	2 capsules	<button>Accept</button> <button>Reject</button>
Colovrain	Dec 8, 2022	12 capsules	<button>Accept</button> <button>Reject</button>

Software Etiquette:

When writing software, it's important to write code that is organized and contains descriptive messages. While developing the system, the following scenarios were handled carefully:

1. Program does not accept empty requests, all requests must fulfil the required details, otherwise it shows red signs in all empty text fields.



The form is titled "Please Enter Medicine Name" and contains three input fields. The first field is labeled "Please Enter Medicine Name", the second is labeled "Quantity of Medicine", and the third is labeled "Expiration Date" with a calendar icon. A red "Submit" button is at the bottom. The form is styled with a light gray border and a white background.

Please Enter Medicine Name

Quantity of Medicine

Expiration Date

Submit

2. The system does not accept users who wants to register with an existed username, it shows an error message top-right corner “User Already Exist”.

SIGN UP

Log In

✖

User Already Exist

Register With Us

First Name

menna

Last Name

meligy

Email

menna@gmail.com

Role

Supplier

Password

Confirm Password

Already Register? [Login Here](#)

Sign up

3. It is not possible to register without confirming the password. If the passwords does not match, an error message will be shown to inform the user about the exact problem.

UP

Log In

✖

Password and Confirm Password should be same

Register With Us

First Name

Menna

Last Name

Mohamed

Email

menna@gmail.com

Role

Supplier

Password

Confirm Password

Already Register? [Login Here](#)

Sign up

4. Passwords are saved into our databases with encryption feature. It is also very important to mention that registered users can have only one role that why users are saved separately into the database.

localhost:27017

Documents
mydb.users

+

My Queries

Databases

Search

admin

bezkodeer_db

config

local

mydb

buyers

consumers

givers

medecines

users

mydb.users

1 DOCUMENTS1 INDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }ResetFindMore Options

ADD DATAEXPORT COLLECTION1 - 6 of 6

_id: ObjectId('6391cebd2908a321af98d98f')

email: "menna@gmail.com"

password: "\$2b\$10\$SLArnI.rbVIFbYce9Da8ZaeRtpV6j6aue2Q/fcSme1bRh/MRk0S7yK"

firstname: "menna"

lastname: "meligy"

role: "demander"

__v: 0

_id: ObjectId('6391d5622908a321af98d9c6')

email: "menna1@gmail.com"

password: "\$2b\$10\$NexJjTZ70JmIn4/zLz6cruhWSNibXuMHj4/qLHG1Pa0NjZSyYrz9m"

firstname: "menna1"

lastname: "Lmeligy"

role: "supplier"

__v: 0

_id: ObjectId('6391d6132908a321af98d9d3')

email: "mohamed@gmail.com"

password: "\$2b\$10\$viluVOR7Dlj4UCzXt3FFA0nsRYrQY0Sdzo4wLH40Ant1Ed.vwNv0"

firstname: "Mohamed"

lastname: "zbadi"

role: "pharmacist"

v: 0

Database:

There is an initialized connection between the back-end and the database, so reading and writing is an accessible feature.

Database is handled with MongoDB, Database can be shown as follow:

The screenshot shows the MongoDB Compass interface. On the left, a sidebar displays the connection 'localhost:27017' and a list of databases. The 'mydb' database is selected, showing its collections: buyers, consumers, givers, medecines, and users. The main panel, titled 'Collections', lists these collections with their respective statistics.

Collection Name	Storage size	Documents	Avg. document size	Indexes	Total index size
buyers	4.10 kB	0	0 B	1	4.10 kB
consumers	4.10 kB	0	0 B	1	4.10 kB
givers	20.48 kB	1	122.00 B	1	20.48 kB
medecines	20.48 kB	1	154.00 B	1	20.48 kB
users	20.48 kB	3	185.00 B	1	36.86 kB