

VIEW IN BROWSER USING GOOGLE CHROME!

TECHNOLOGIES USED:

Development Environment: Visual Studio

Programming Language(s): C#, CSS, HTML, JavaScript

Framework: .NET 8.0 (**back-end**) Bootstrap (**front-end**)

Database: SQL Server

Version Control: GitHub

GITHUB LINK:

<https://github.com/nande19/PhoneBook-.git>

Build Tools and Package Managers: NuGet

DOWNLOAD + INSTALLATION + SETUP:

ONCE YOU HAVE DOWNLOADED THE ZIPPED FOLDER:

1. Right **click** on the downloaded **folder** (“Nande Mzantsi”) in your **File Explorer**
2. **Click** on “**Extract all**”
3. Once all the files have been extracted, **click** on the folder and open the “**PhoneBook Application.sln**” solution in **Visual Studio**.
4. Once that solution is open, **open** your “**Solution Explorer**”.
5. **Click** on the “**appsettings.json**” file.
6. **Change line 10** which is the Connection String titled “**PhoneBookPortal**” from this;

"PhoneBookPortal": "Server=LAPTOP-PIF45UTQ;Database=DbPhoneBook;Trusted_Connection=True;TrustServerCertificate=True"

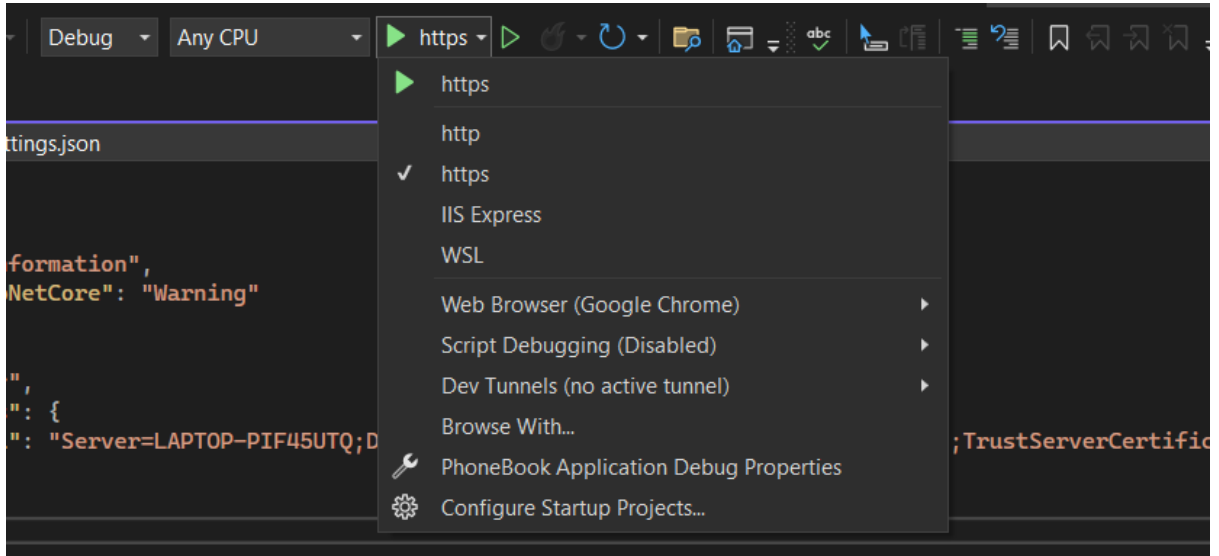
TO THIS

**"PhoneBookPortal":
"Server=(localdb)\\mssqllocaldb;Database=DbPhoneBook;Trusted_Connection=True;TrustServerCertificate=True"**

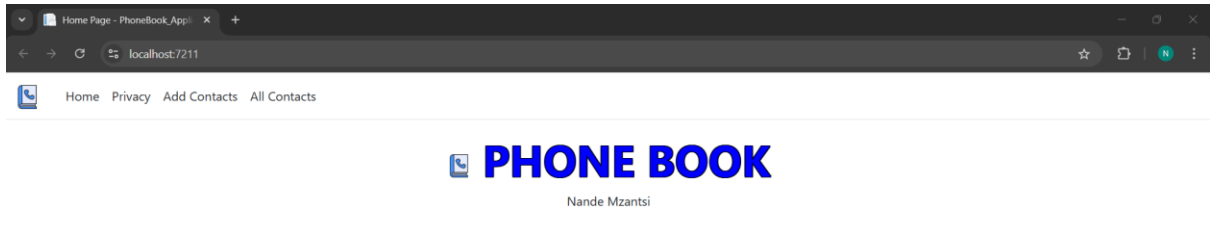
7. Once that is changed, **click** on the **Tools** tab at the **top of the screen**
8. **Select/Hover** over “**NuGet Package Manager**”
9. **Click** on “**Package Manager Console**”
10. Once the console is open, **write** the follow command [**Update-Database**]
11. Once it is done updating, there will be a text at the bottom that says “**done.**”. That **indicates** the **completion** of our setup.

RUNNING THE APPLICATION:

1. At the **top of the screen** there is a **green triangle** (which will be used to start the application) with a dropdown. Before starting the application, please **ensure** that you have **selected https**.



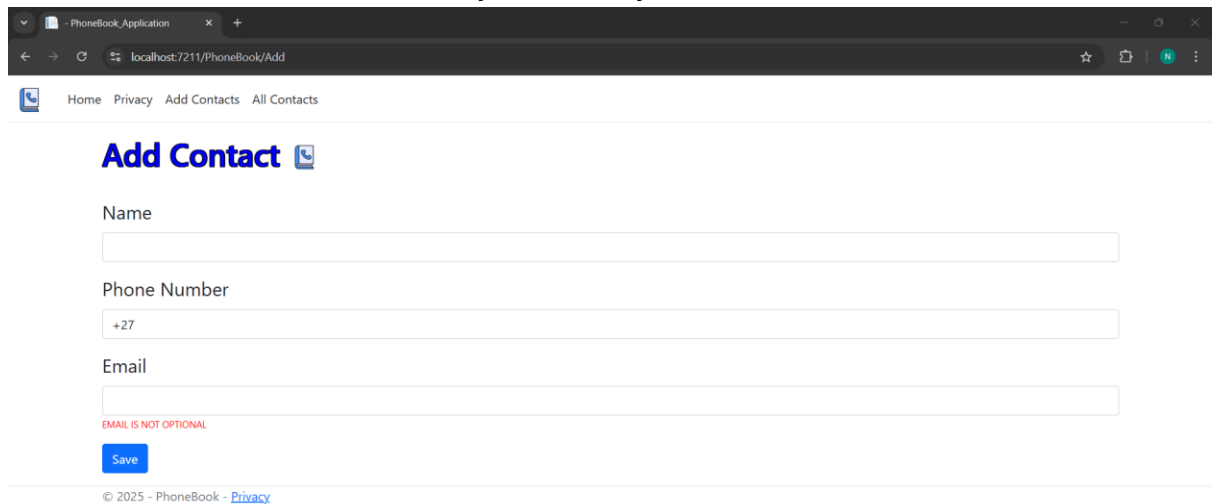
2. **Click** on the **green triangle** to **start** the application.
3. You will immediately be directed to the “**Home**” page



<https://localhost:7211/Home/Privacy>

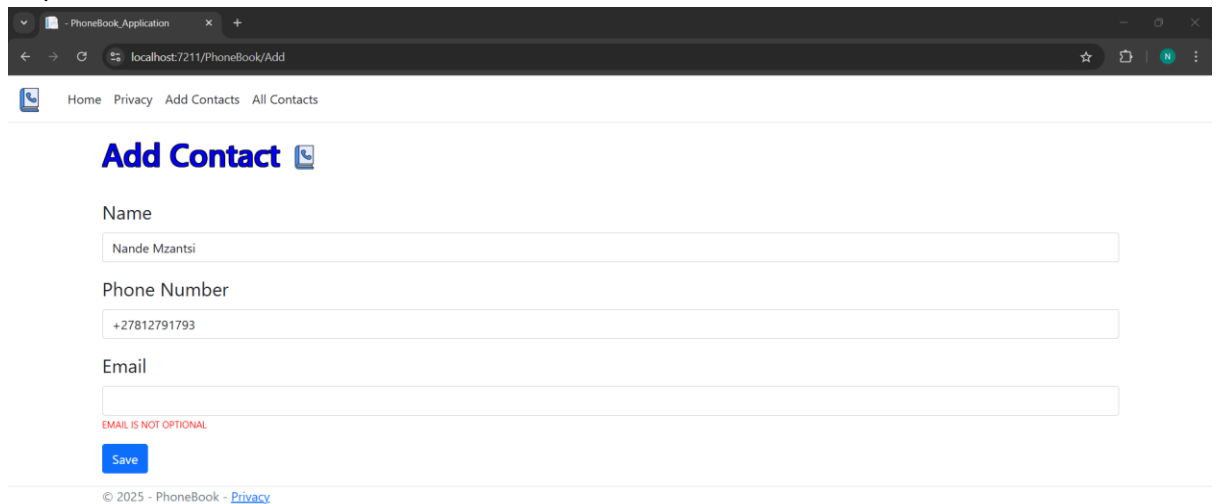
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- Once you're on the "Home" page, **click** on the "**Add Contacts**" tab where you will be directed to the "**Add Contact**" where you can add your contacts.



The screenshot shows a web browser window with the address bar displaying 'localhost:7211/PhoneBook/Add'. The application has a navigation bar with links: Home, Privacy, Add Contacts, and All Contacts. The main heading is 'Add Contact' with a phone icon. Below the heading are three input fields: 'Name', 'Phone Number', and 'Email'. The 'Phone Number' field contains '+27'. Below the 'Email' field, there is a red error message: 'EMAIL IS NOT OPTIONAL'. At the bottom of the form is a blue 'Save' button. The footer of the page reads '© 2025 - PhoneBook - [Privacy](#)'.

- Enter** all the **details** you wish to enter and then **click** the "**Save**" button which will validate the data you have entered and then take you to the next page if you have met the requirements



This screenshot shows the same 'Add Contact' form as the previous one, but with data entered into the fields. The 'Name' field contains 'Nande Mzantsi', and the 'Phone Number' field contains '+27812791793'. The 'Email' field is empty, and the red error message 'EMAIL IS NOT OPTIONAL' is still present. The blue 'Save' button remains at the bottom. The footer is identical to the previous screenshot: '© 2025 - PhoneBook - [Privacy](#)'.

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6. Once the contact has been saved you will be **notified**, and you will be able to **view** the **contacts** you have previously entered. If you wish to **enter more** contacts, **click** the **“Add New Contact”** button.

PhoneBook_Application

localhost:7211/PhoneBook/table

Home Privacy Add Contacts All Contacts

Contact saved successfully!

All Contacts

Search by name or phone number...

Search Clear

Name	Phone Number	Email	
Sesethu	+27625345263		Update
Nande Mzantsi	+27812791793		Update
Luvuyo Judas	+27678354563	VuyoJuddy@gmail.com	Update
Nick Walker	+27735672826	nickW@gmail.com	Update

Add New Contact

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7. **Click** the **“Update”** button to **update any information** you feel you have entered incorrectly
8. Here you can edit the information, **click** the **“Save”** button when you are done, **click** the **“Back”** button if you no longer wish to make any changes, it will take you back to the table.

PhoneBook_Application

localhost:7211/PhoneBook/Edit/a57408e1-936e-46d5-a3c9-4a8815b8a439

Home Privacy Add Contacts All Contacts

Edit Contact

ID

a57408e1-936e-46d5-a3c9-4a8815b8a439

Name

Sesethu Mdinga

Phone Number

+27625345263

Email

seseMdiza@icloud.com

EMAIL IS OPTIONAL

Back

Save

Delete

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PhoneBook_Application

localhost:7211/PhoneBook/Edit/381283e8-86d2-4ec6-ba48-f5d8b014f9ed

Home Privacy Add Contacts All Contacts

Edit Contact

ID

381283e8-86d2-4ec6-ba48-f5d8b014f9ed

Name

Nick Walker

Phone Number

+27824352625

Email

EMAIL IS OPTIONAL

Back

Save

Delete

9. Once you have **clicked** on the **“Save”** button to update the contact information, the table will automatically update the contact details.

PhoneBook_Application

localhost:7211/PhoneBook/Table

Home Privacy Add Contacts All Contacts

Contact updated successfully!

All Contacts

Search by name or phone number...

Search Clear

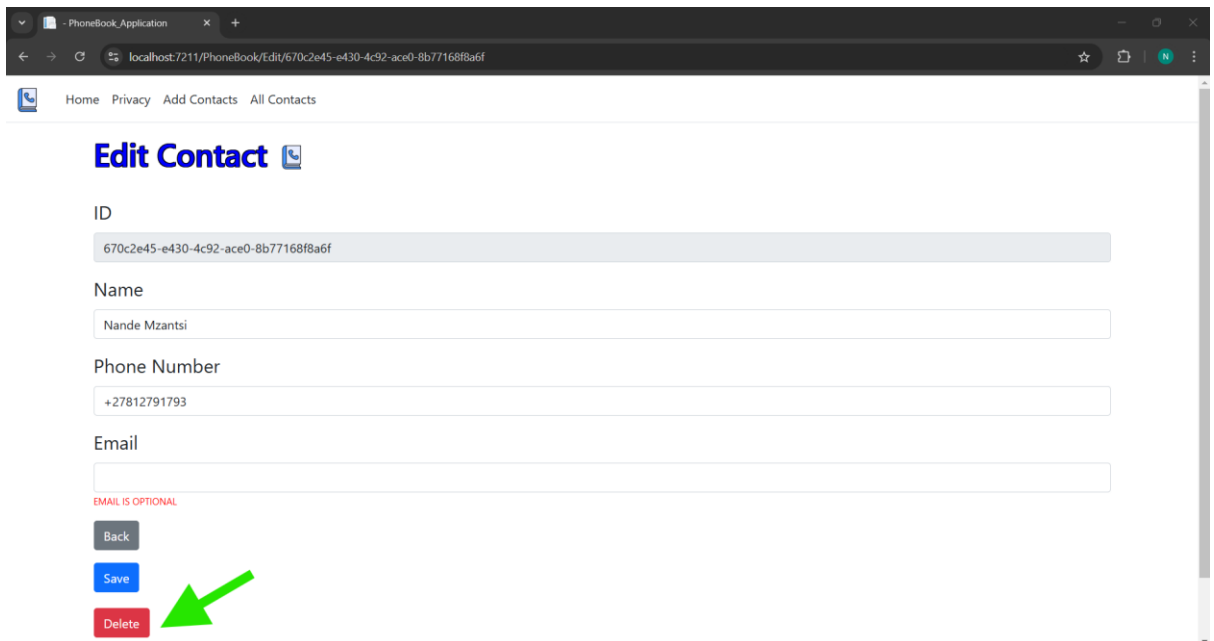
Name	Phone Number	Email	
Sesethu Mdinga	+27625345263	seseMdiza@icloud.com	Update
Nande Mzantsi	+27812791793		Update
Luvuyo Judas	+27678354563	VuyoJuddy@gmail.com	Update
Nick Walker	+27824352625		Update

Add New Contact

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10. If you feel like **deleting** a contact, **click** the “**Update**” button which will show you the contact information with the “Delete” button at the bottom of the screen.



PhoneBook Application

localhost:7211/PhoneBook/Edit/670c2e45-e430-4c92-ace0-8b77168f8a6f

Home Privacy Add Contacts All Contacts

Edit Contact

ID

670c2e45-e430-4c92-ace0-8b77168f8a6f

Name

Nande Mzantsi

Phone Number

+27812791793

Email

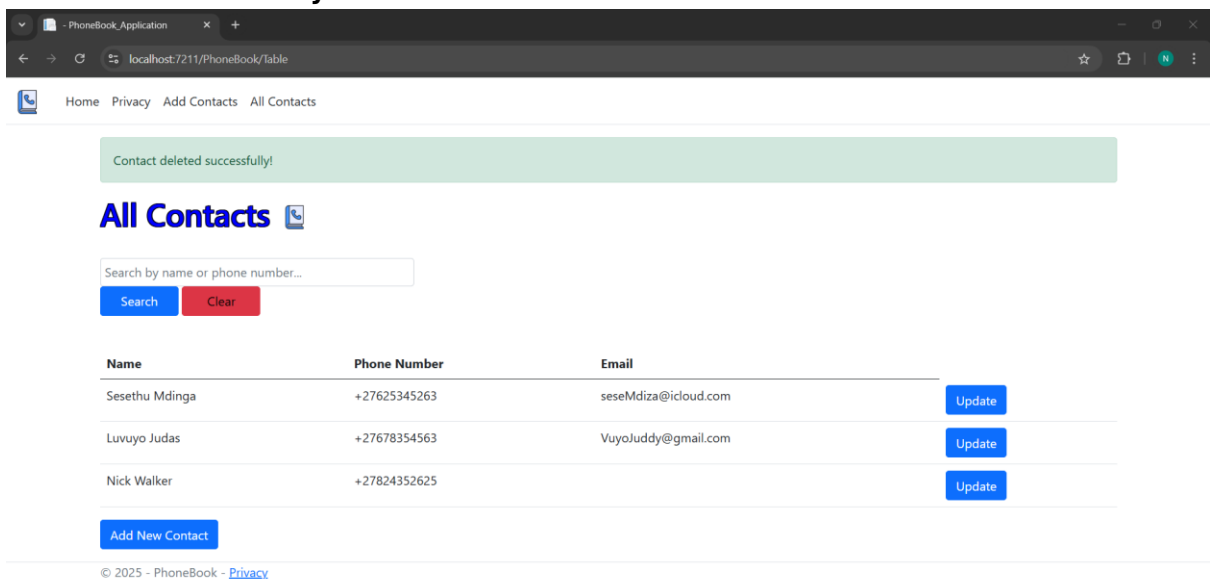
EMAIL IS OPTIONAL

Back

Save

Delete

11. Once you have **clicked** the “**Delete**” button you will be **notified** that you have deleted the contact **successfully**



PhoneBook Application

localhost:7211/PhoneBook/Table

Home Privacy Add Contacts All Contacts

Contact deleted successfully!

All Contacts

Search by name or phone number...

Search Clear

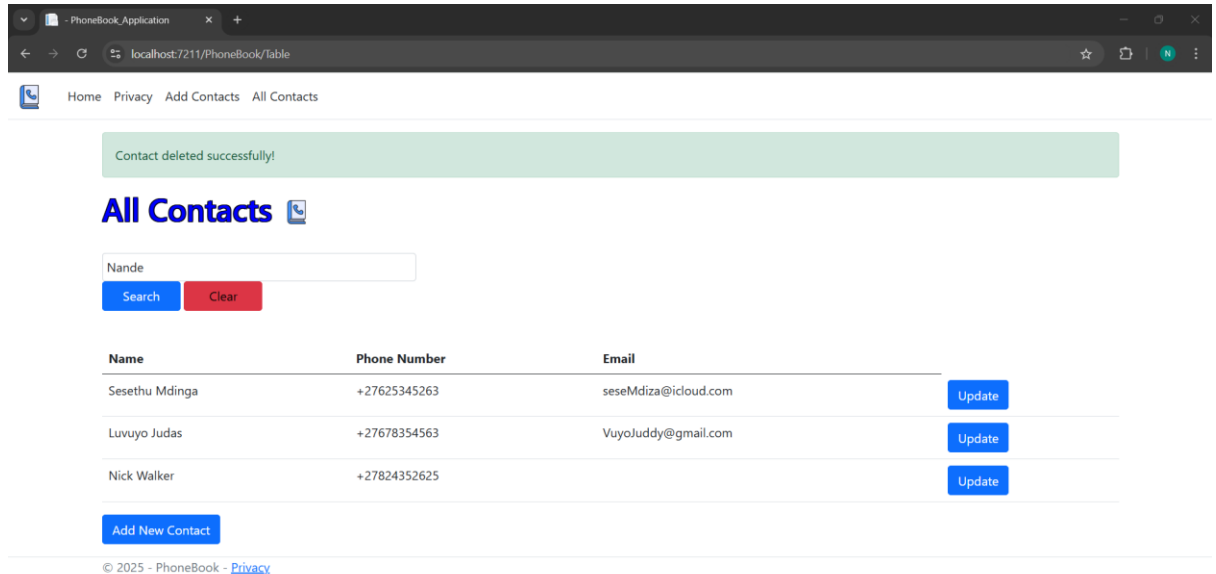
Name	Phone Number	Email	
Sesethu Mdinga	+27625345263	seseMdiza@icloud.com	Update
Luvuyo Judas	+27678354563	VuyoJuddy@gmail.com	Update
Nick Walker	+27824352625		Update

Add New Contact

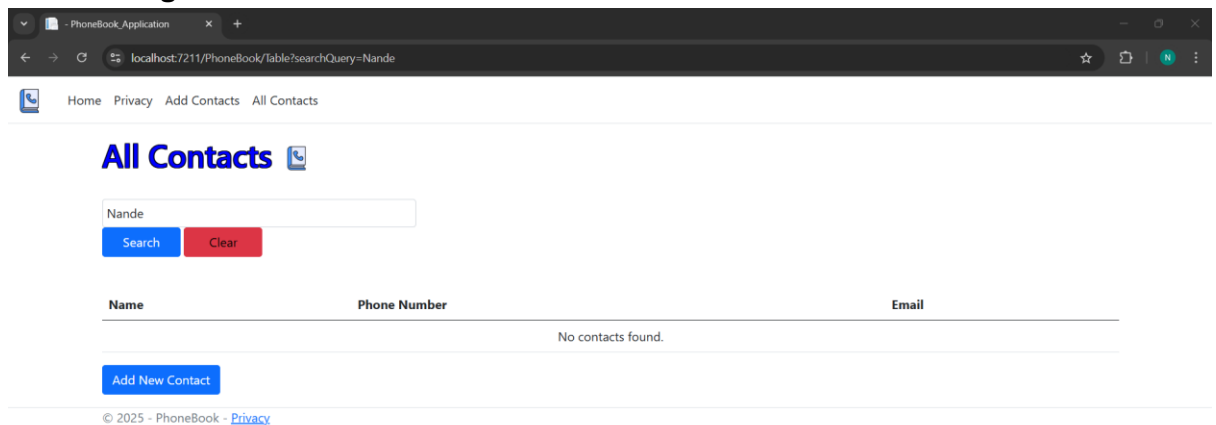
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12. You can also **search** for contacts by **typing** the **contacts name or phone number** and



then **clicking** the “**Search**” button



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PhoneBook_Application

localhost:7211/PhoneBook/Table?searchQuery=Sese

Home Privacy Add Contacts All Contacts

All Contacts

Search

Clear

Name	Phone Number	Email
Sesethu Mdinga	+27625345263	seseMdiza@icloud.com

Update

Add New Contact

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PhoneBook_Application

localhost:7211/PhoneBook/Table?searchQuery=812791793

Home Privacy Add Contacts All Contacts

All Contacts

Search

Clear

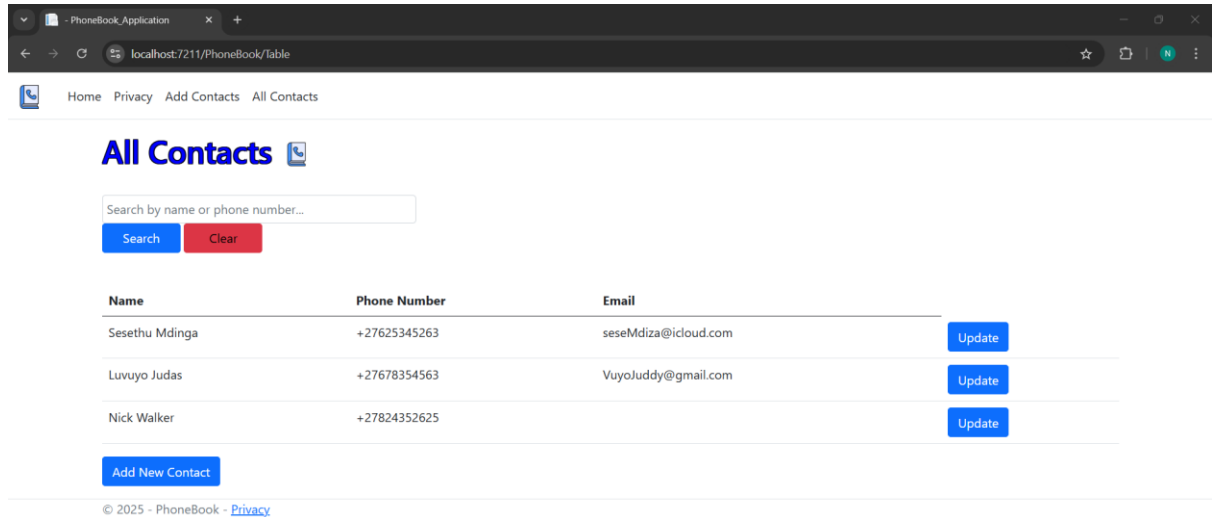
Name	Phone Number	Email
No contacts found.		

Add New Contact

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The “Clear” button is used to **reset the search**



**DO NOT STOP RUNNING THE APPLICATION, CONTINUE SCROLL
FOR THE RESPONSIVENESS**

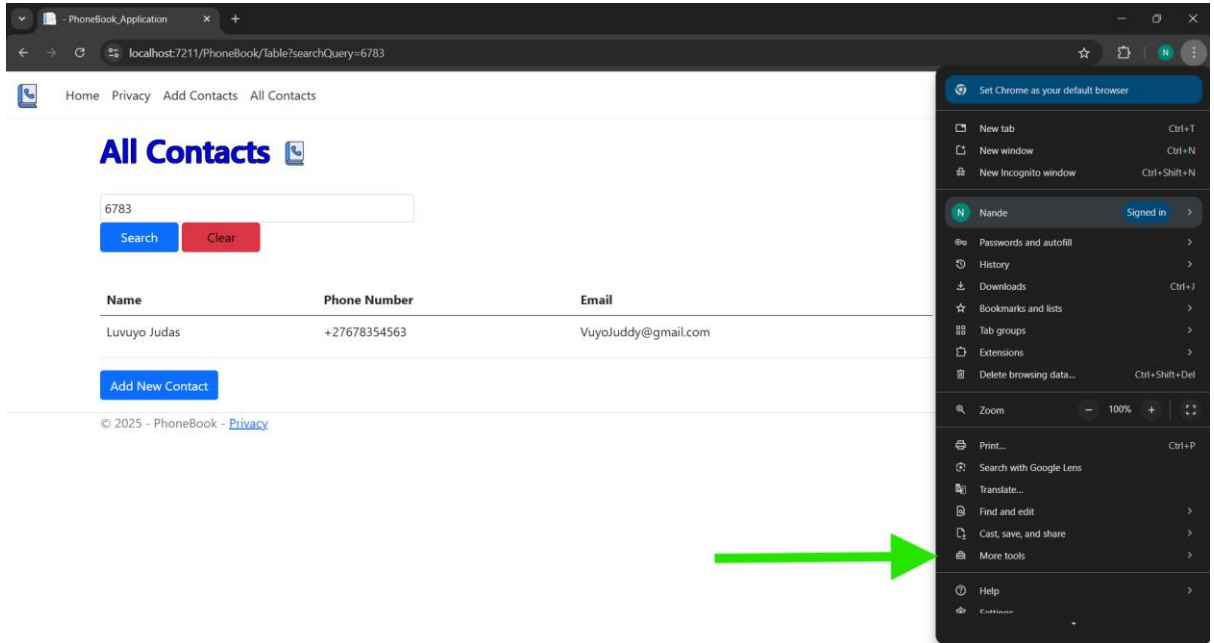
CHECKING THE RESPONSIVENESS ON ALL DEVICES:

1. Whilst the **website** is still **running** on chrome, **click the three dots** in the top right **corner**.

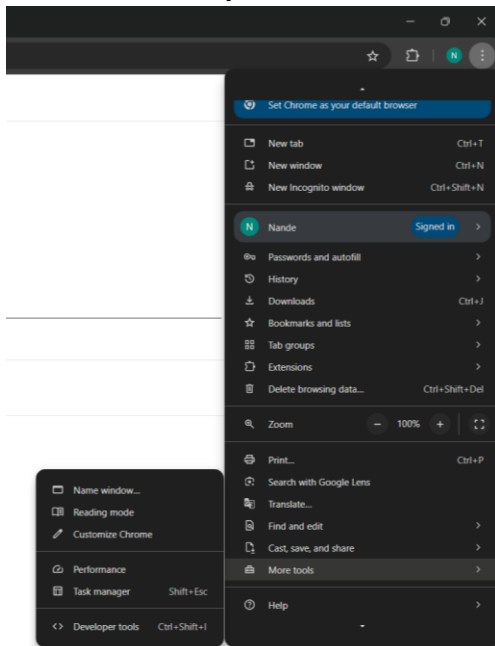


All Contacts 📞

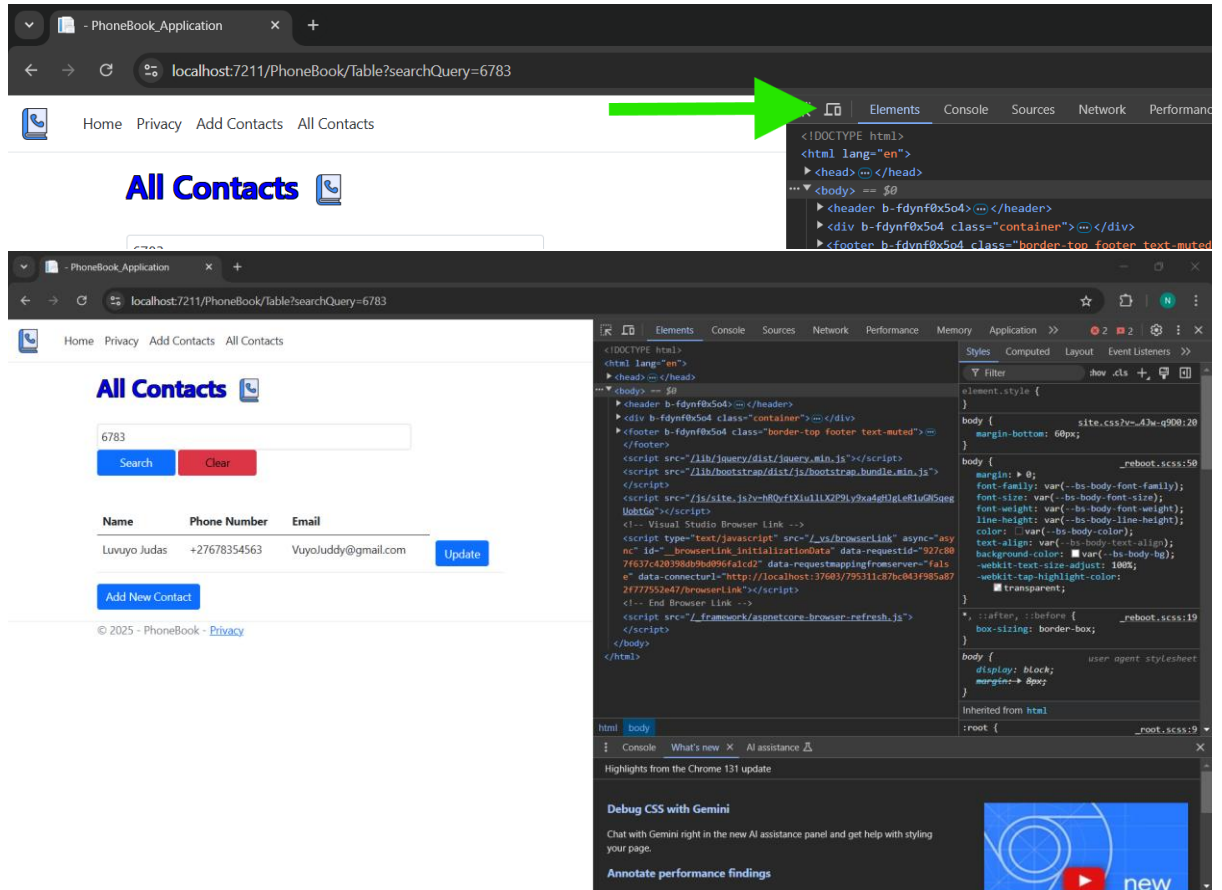
2. **Click/Hover** on more “**Tools**”



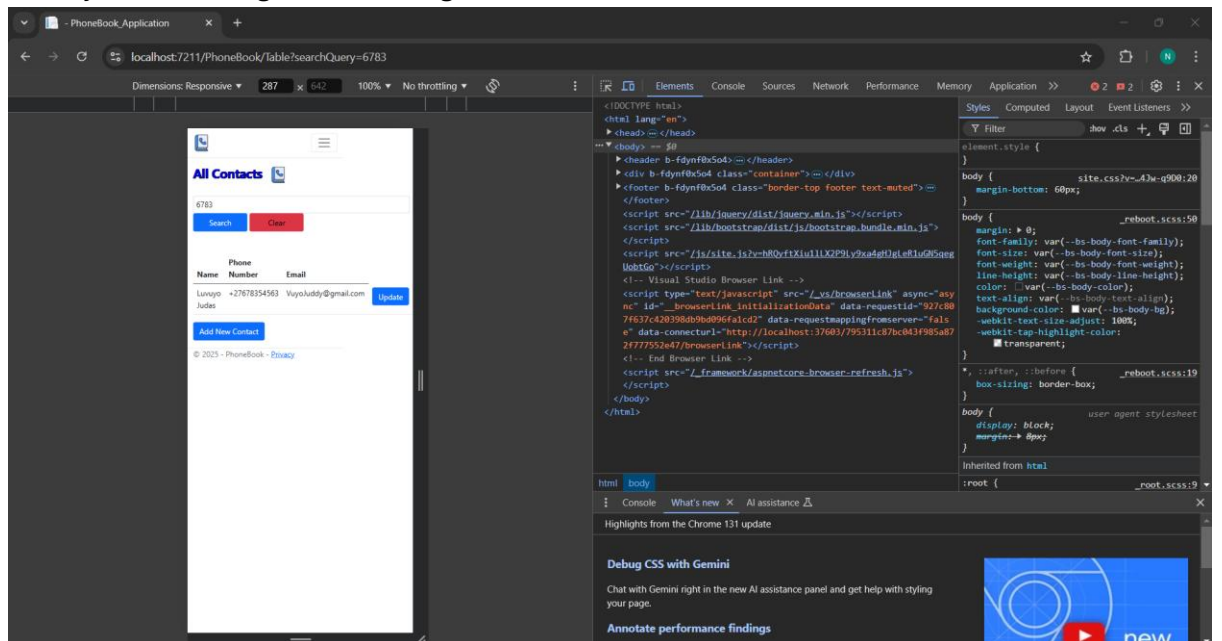
3. **Click on “Developer tools”** which is found at the **bottom**



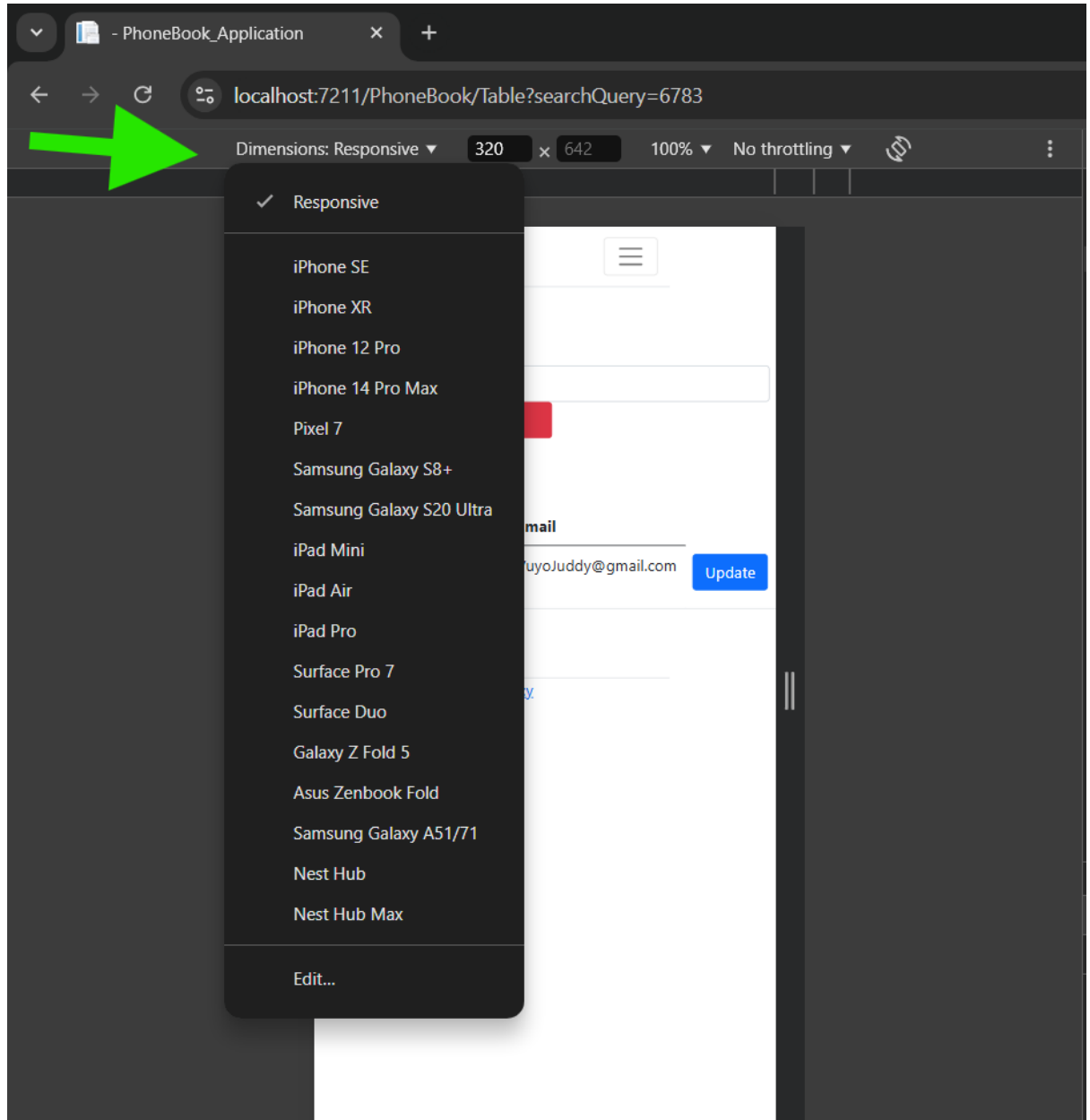
4. You should see device emulation option, **click on the button**



5. The layout will change after clicking that button



6. If you want it to be for a **specific phone**, click this **dropdown** and **select**.



Thank you for running my phonebook app, I hope you enjoyed the experience!