**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"**

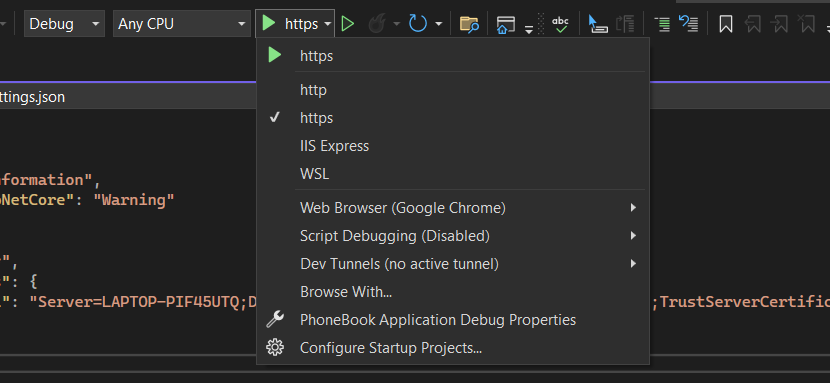
**TO THIS**

**"PhoneBookPortal": "Server=(localdb)**[**\\mssqllocaldb;Database=DbPhoneBook;Trusted\_Connection=True;TrustServerCertificate=True**](file:///\\mssqllocaldb;Database=DbPhoneBook;Trusted_Connection=True;TrustServerCertificate=True)**"**

1. Once that is changed, **click** on the **Tools** tab at the **top of the screen**
2. **Select/Hover** over “**NuGet Package Manager**”
3. **Click** on “**Package Manager Console**”
4. Once the console is open, **write** the follow command [ **Update-Database** ]
5. 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**.

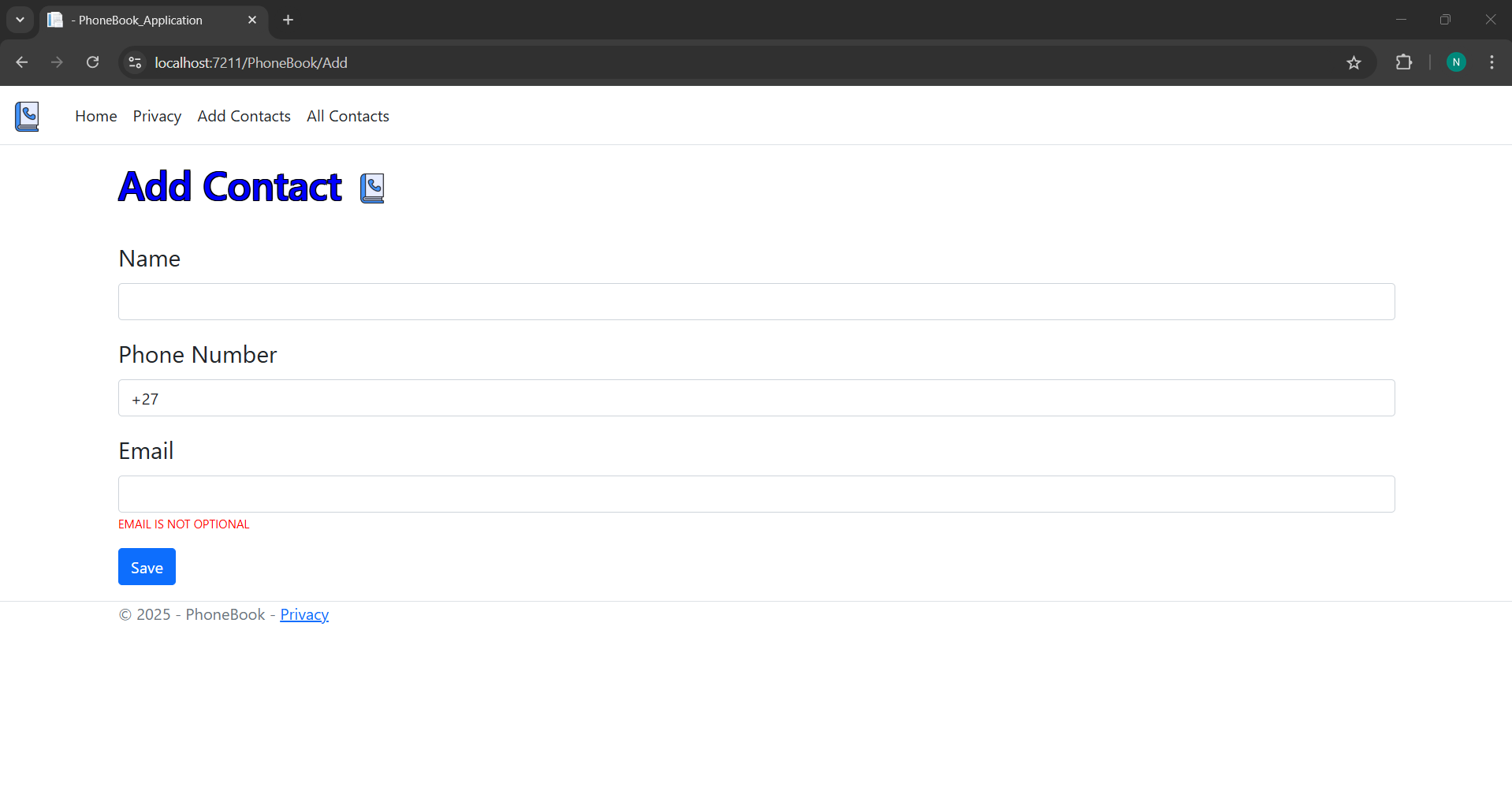


1. **Click** on the **green triangle** to **start** the application.
2. You will immediately be directed to the “**Home**” page

A screenshot of a computer

Description automatically generated

1. 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.



1. **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

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1. 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.

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1. **Click** the “**Update**” button **to update any information** you feel you have entered incorrectly
2. 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.A screenshot of a computer

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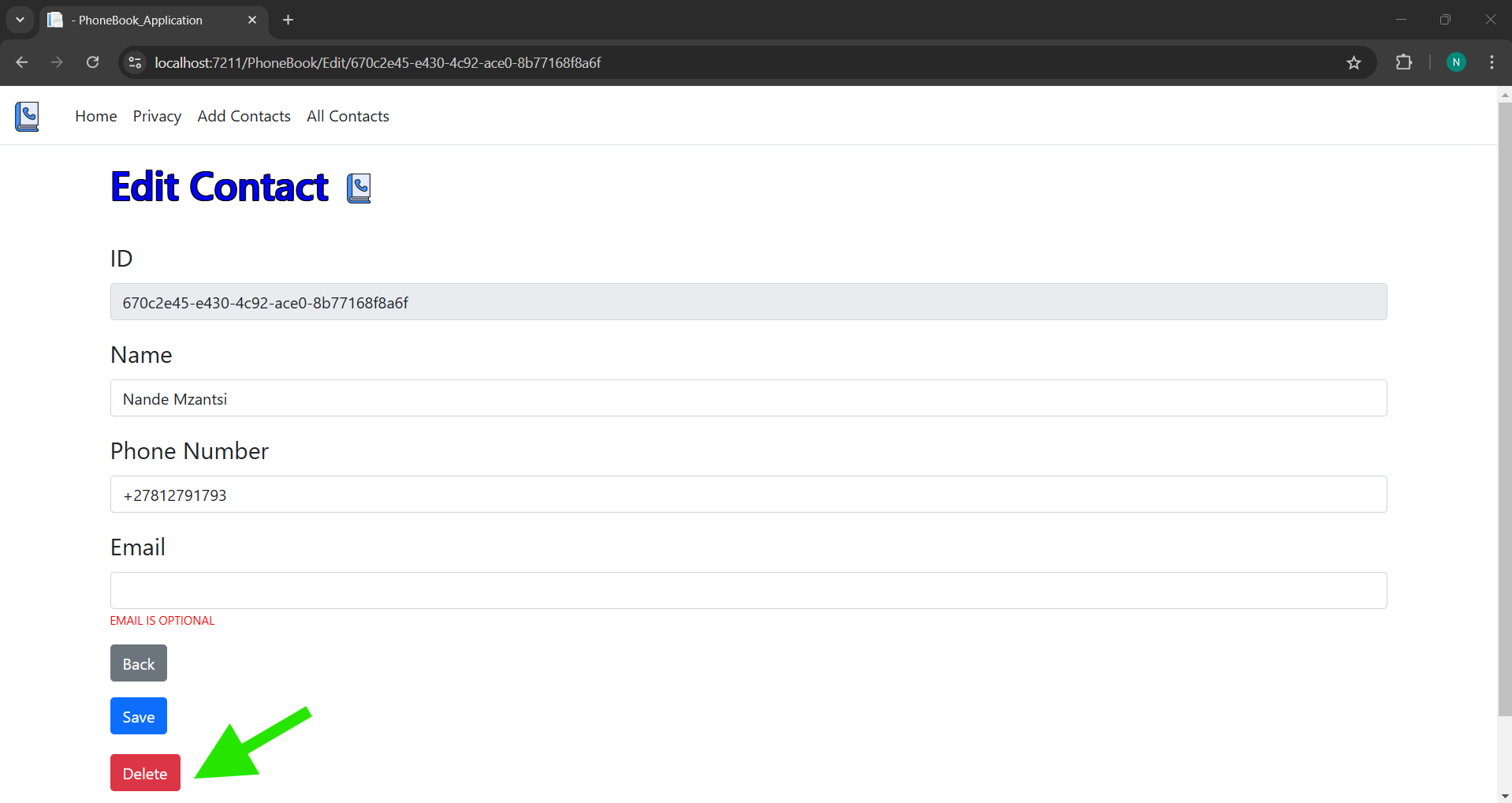
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1. Once you have **clicked** on the “**Save**” button to update the contact information, the table will automatically update the contact details.

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1. 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.



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

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

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Description automatically generated then **clicking** the “**Search**” button

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

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

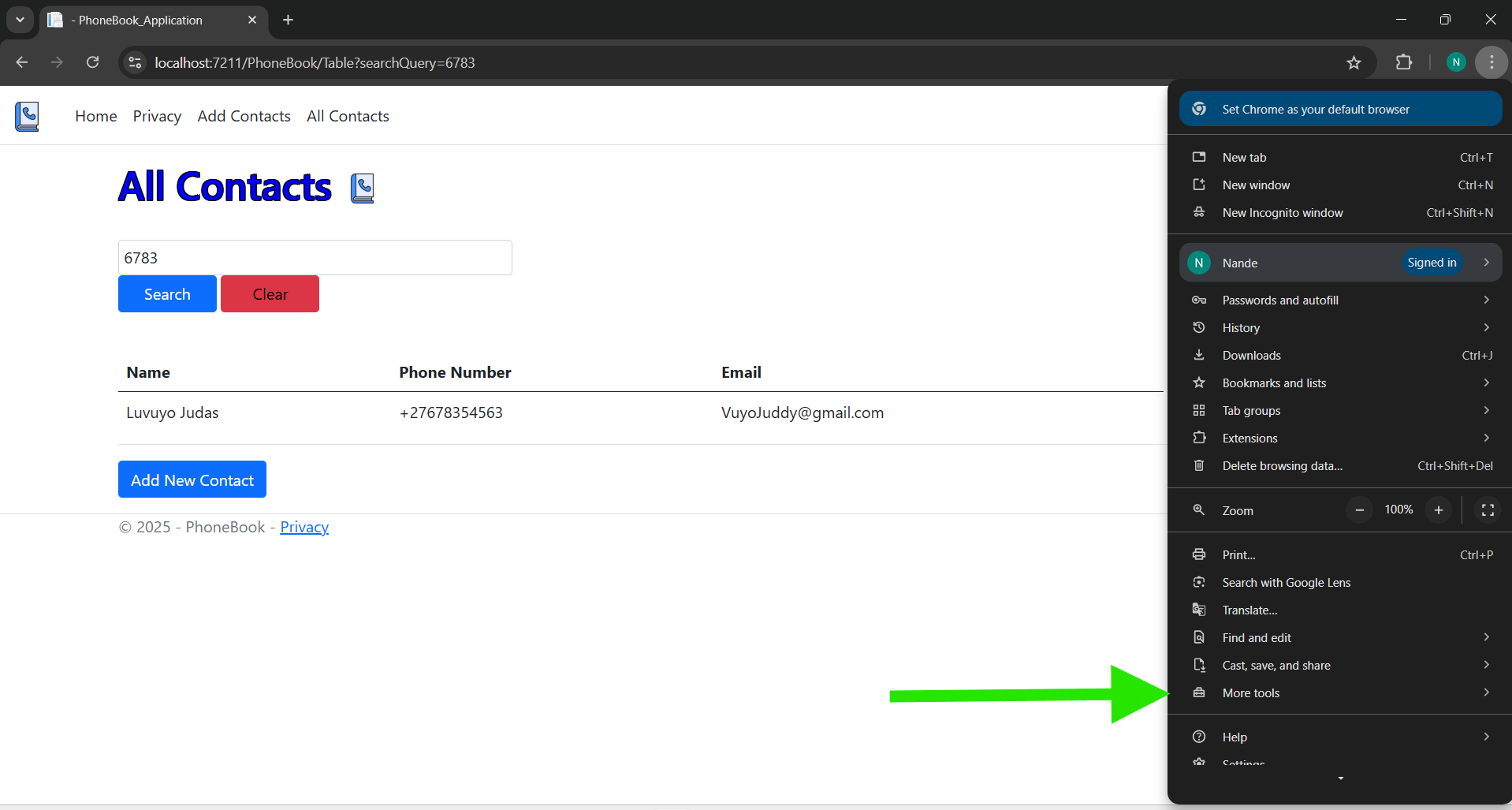
**CHECKING THE RESPONSIVENESS ON ALL DEVICES:**

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

A black and white screen

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



1. **Click** on “**Developer tools”** which is found at the **bottom** A screenshot of a computer

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

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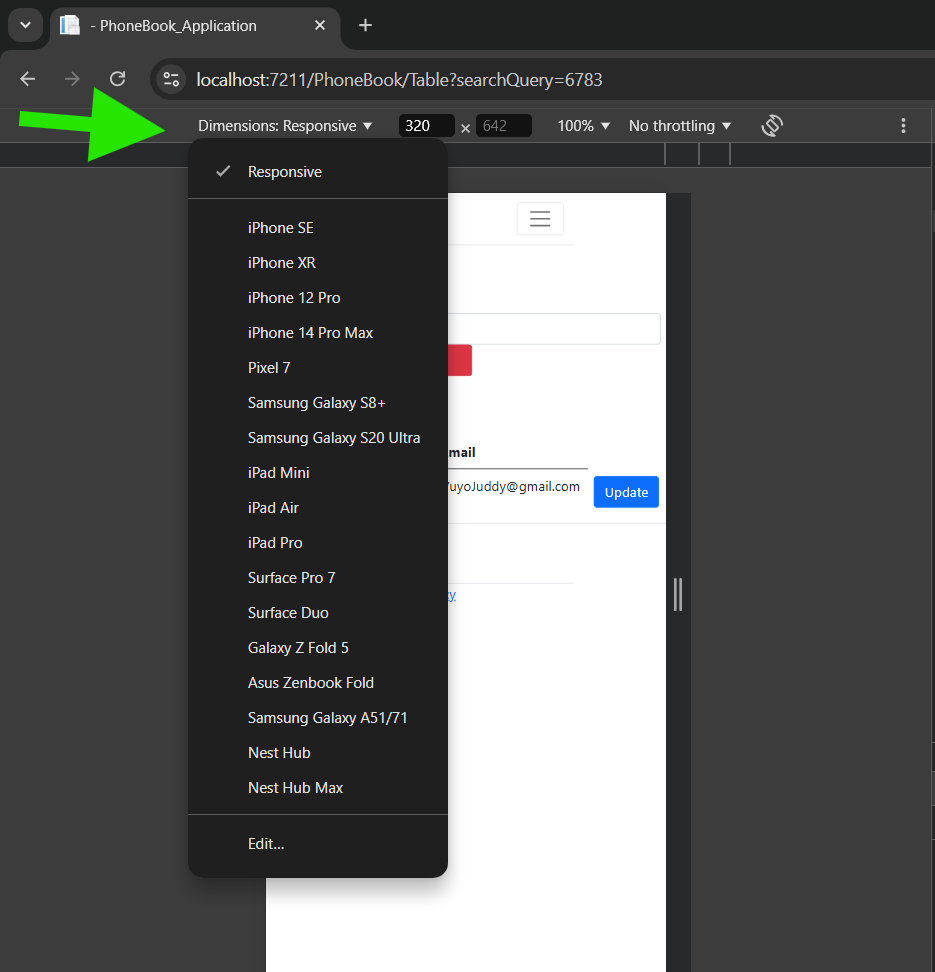
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1. The layout will change after clicking that button

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1. 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!***