General User

For general users this application will be web hosted. As such there is no need to install software to the user's own device.

Developer - Starting the back end:

1. Download visual studio 2022 community edition
   a. Windows: https://visualstudio.microsoft.com/
   b. Mac: https://learn.microsoft.com/en-us/visualstudio/releases/2022/what-happened-to-vs-for-mac

2. In the installer, select to include the following packages and then install
   a. Web & Cloud =>ASP.NET and web development
   b. Desktop & Mobile => .NET desktop development
   c. Other Toolsets => Data Storage and processing

3. Install the .NET sdk and .NET runtime version 8
   a. https://dotnet.microsoft.com/en-us/download/dotnet/8.0

4. Open visual studio
   a. Select open project or solution
   b. Navigate to the cloned repository and open the solution
   c. your_file_path => api => Medical-Information.API => Medical-Information.API.sln

5. Install back end dependencies
   a. In the toolbat select Project => manage NuGet packages
   b. Install the following packages (some may be installed already):
      i. AutoMapper.Extensions.Microsoft.DependencyInjection
      ii. Microsoft.AspNetCore.Identity.EntityFrameworkCore
      iii. Microsoft.AspNetCore.Authentication.JwtBearer
      iv. Microsoft.EntityFrameworkCore.SqlServer
      v. Microsoft.EntityFrameworkCore.Tools
      vi. Microsoft.IdentityModel.Tokens
      vii. Swashbuckle.AspNetCore
      viii. System.Identity.Model.Tokens.Jwt

6. Download SQL server for the database
   a. Download the developer version from this link: https://www.microsoft.com/en-us/sql-server/sql-server-downloads
   b. Once you arrive at the final screen you will see a field called "CONNECTION STRING" copy and paste this into a text file or write it down
   c. Click install SSMS to download the management studio

7. Link the front end to the API
   a. In Visual Studio Code or your preferred text editor, create a new file inside the **client** folder called .env
   b. Paste the following in the .env file:
   REACT_APP_API_URL=https://localhost:7214/api
   c. You can now begin developing .tsx files for your department inside of the pages folder. You can route the project to these files in the app.tsx file

8. Link the backend db to the API
   a. In visual studio, find the appsettings.json file
   b. Fine the MedicalInformationConnectionString attribute, paste your CONNECTION STRING here

9. Migrate the Database
   a. Go to the toolbar and select tools=> NuGet package manager => package manager console
   b. In the console type Update-Database

10. You can use the SSMS database management tool to check for changed
   a. If it is the first time you open it, you may need to change the Server name. You can find the correct one if you go to the CONNECTION STRING from the Server= attribute
   b. Chose windows authentication to use your windows account as authentication
   c. You can now view the tables and the DB

11. In visual Studio, hit the green run button using the HTTPS option in the toolbar

12. Running the backend will pull up the swagger UI where you can view the API in better detail

Developer - Starting the front end:
1. Clone the GitHub repository, once you have done so open visual studio code or a text editor and a terminal

2. Install NodeJS: https://nodejs.org/en

3. Navigate into the client directory
   a. cd client

4. Install the necessary packages
   a. npm install

5. Run the project
   a. npm start

6. Access the project in your browser
   a. http://localhost:3000/