Instructions to Run COVID-19 Mental Health Application
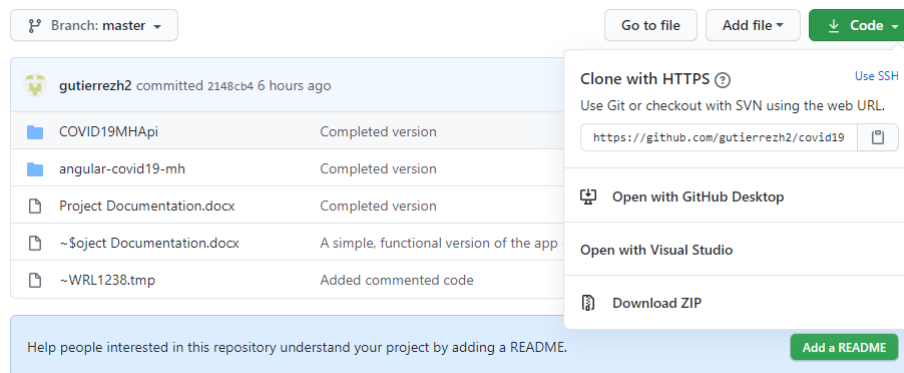
- **Note:** This project was coded using a Windows 10 machine.
- There are two parts to running this application, running the **Web API** ("COVID19MHApi" folder), and running the **Angular Application** ("angular-covid19-mh" folder).

Recommended Installations

- **Web API**
  - **Visual Studio Code:** https://code.visualstudio.com/download
  - **C# for Visual Studio Code:** https://marketplace.visualstudio.com/items?itemName=ms-dotnettools.csharp
  - **.NET Core 3.1 SDK or later** (I installed **SDK 3.1.301**): https://dotnet.microsoft.com/download/dotnet-core/3.1
- **Angular Application:**
  - **Node.js:** https://nodejs.org/en/
  - **Angular CLI:** Run the following command in Command Prompt or Terminal: `npm install -g @angular/cli`

Part 1. Obtaining the Source Code

1. Given the link provided in the email, click on the link, which leads to the GitHub page containing the source code.
2. Click on the green **Code** button and:
   a. **Clone** the repository.
   b. Alternatively, click on the **"Download ZIP"** button to download the folder. Once downloaded, extract the folder to whichever folder is convenient for you.

Part 2. Running the Web API ("COVID19MHApi" Folder)

1. Inside of the extracted **"covid19-mh-app"** folder, open the **"COVID19MHApi"** folder, using your preferred IDE or Code Editor (I used **Visual Studio Code**).

2. Once the folder is opened inside your Code Editor, run the Web API. An indication of whether it's running successfully or not is that it opened up a new instance of your default Internet browser, opening up to an empty page.
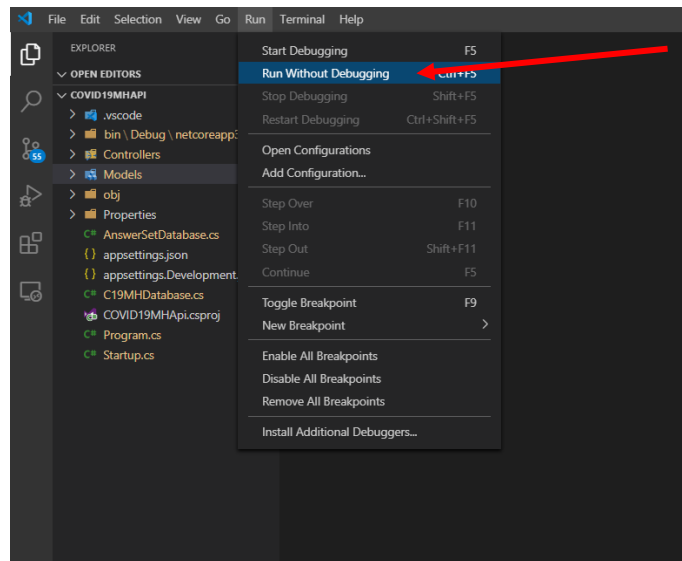

Figure 3. Running the Web API using Visual Studio Code.
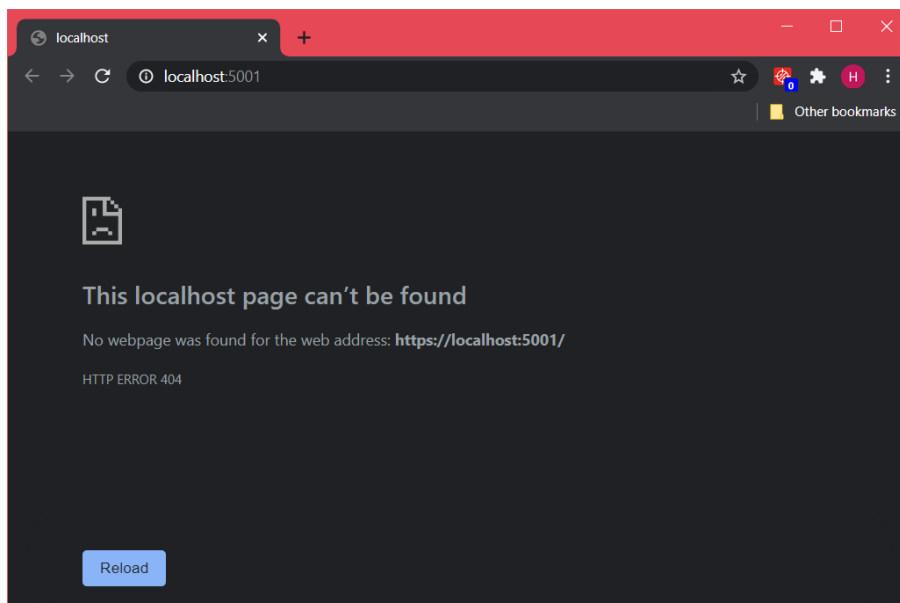

Figure 4. This screen appears on your default Internet browser, to indicate that the Web API has started running.

3. If the page above instead returns the warning **"Your connection is not private"**, click on **"Advanced"**, then **"Proceed to localhost (unsafe)"** to connect to the Web API.
4. **(Optional)** To test to see if you can obtain information out of the Web API, type the following links into your Internet browser:
   a. The seeded **QuestionItems** database: https://localhost:5001/api/QuestionItems/

[{"id":1,"question":"How are you right now?","options":{"id":1,"answerSet":
[{"id":1,"answer":"Really great","score":0},{"id":2,"answer":"Good","score":1},
{"id":3,"answer":"Okay","score":2},{"id":4,"answer":"Bad","score":3},{"id":5,"answer":"Really
terrible","score":4}]}},{"id":2,"question":"How much has your mood dropped or negatively
changed (ex. more stressed) since COVID-19 started?","options":{"id":2,"answerSet":
[{"id":6,"answer":"Not at all","score":0},{"id":7,"answer":"A little","score":1},
{"id":8,"answer":"Somewhat","score":2},{"id":9,"answer":"A lot","score":3}]}},
{"id":3,"question":"How well have you been able to maintain your daily routine/life since
COVID-19 started?","options":{"id":3,"answerSet":[{"id":10,"answer":"Very well","score":0},
{"id":11,"answer":"Somewhat well","score":1},{"id":12,"answer":"Not very well","score":2},
{"id":13,"answer":"Not at all","score":3}]}},{"id":4,"question":"Has there been a negative
change in your sleeping habits? (ex. too much or too little sleep)","options":
{"id":2,"answerSet":[{"id":6,"answer":"Not at all","score":0},{"id":7,"answer":"A
little","score":1},{"id":8,"answer":"Somewhat","score":2},{"id":9,"answer":"A
lot","score":3}]}},{"id":5,"question":"Has there been a negative change in your eating habits?
(ex. increased or decreased eating)","options":{"id":2,"answerSet":[{"id":6,"answer":"Not at
all","score":0},{"id":7,"answer":"A little","score":1},{"id":8,"answer":"Somewhat","score":2},
{"id":9,"answer":"A lot","score":3}]}},{"id":6,"question":"Have there been any social concerns
since COVID-19 started? (ex. strained relations within the household, isolation from loved
ones)","options":{"id":2,"answerSet":[{"id":6,"answer":"Not at all","score":0},
{"id":7,"answer":"A little","score":1},{"id":8,"answer":"Somewhat","score":2},
{"id":9,"answer":"A lot","score":3}]}},{"id":7,"question":"Have there been negavtive changes
in your life as a result of COVID-19? (ex. lost job, isolation from loved ones, financial
concerns)","options":{"id":2,"answerSet":[{"id":6,"answer":"Not at all","score":0},
{"id":7,"answer":"A little","score":1},{"id":8,"answer":"Somewhat","score":2},
{"id":9,"answer":"A lot","score":3}]}},{"id":8,"question":"Do you have a history of diagnosed
mental illness?","options":{"id":4,"answerSet":[{"id":14,"answer":"No","score":0},
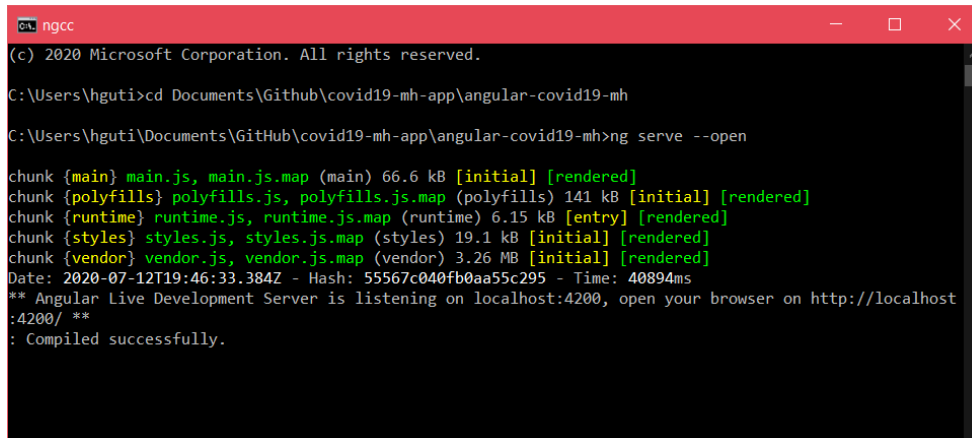{"id":15,"answer":"Yes","score":1}]}}]

b. The seeded **SuggestionSetItems** database:
https://localhost:5001/api/SuggestionSetItems

[{"id":1,"suggestionSet":[{"id":1,"suggestion":"Take a walk","scoring":"low"},
{"id":2,"suggestion":"Eat a healthy snack","scoring":"low"},{"id":3,"suggestion":"Take a break
from news and social media","scoring":"low"}]},{"id":2,"suggestionSet":
[{"id":4,"suggestion":"Meditate","scoring":"medium"},{"id":5,"suggestion":"Phone a trusted
loved one","scoring":"medium"},{"id":6,"suggestion":"Start a new hobby","scoring":"medium"}]},
{"id":3,"suggestionSet":[{"id":7,"suggestion":"Phone your local crisis help
line","scoring":"high"},{"id":8,"suggestion":"Speak with your doctor or
therapist","scoring":"high"}]}]

Part 3. Running the Angular Application ("angular-covid19-mh" Folder)

1. Open a new Command Prompt or Terminal screen.
2. Within Command Prompt or Terminal, navigate to the **"angular-covid19-mh"** folder.
3. Once in this folder, run the command **`ng serve --open`** to compile and run the Angular Application. This should open up a new instance of your default Internet browser.

Figure 4. This is what appears on Command Prompt when you run the **`ng serve --open`** command.

4. If successful, it should open up to the application, like so: