COVIDSAFE WEBAPPLICATION

1. INTRODUCTION:

1.1 OVERVIEW:

As a result of the COVID-19 outbreak, daily life has been negatively affected, impacting the worldwide economy. Thousands of individuals have been sickened or died as a result of the outbreak of this disease. On the other side people are roaming during the pandemic without any precautions, social distancing, masks…. and so on.

We have to understand how the doctors, nurses and other employees have struggled for a Covid free nation. We should have a common awareness towards this deadly virus. Start it from your area. Are you aware of containment zones? Atleast Do you have an idea whether your area is under containment zone or not?...

To keep yourself updated about the containment zones?

HERE ARE SOME OF THE IDEAS….

We have developed a **COVIDSAFE** Webapp in which you can verify your area with containment zones.It also provides you with the our nation's covid counts.

1.2 PURPOSE:

With the help of this application you can check whether your area is under containment zone or not.You can also view the list of containment zone you have visited.In the application's dashboard you can able to have a look on live counts of our nation's activecases,newcases,deaths and recovered cases.By verifying your area with containment zones you can protect yourself by taking necessary precautions.You can also get updated with the covid cases count using this webapp.

2.LITERATURE SURVEY:

2.1 EXISITING PROBLEM:

Recently Google added a new feature to its Google Maps which displays the containment zones in it.Unfortunately this feature is currently available only in Mumbai, as of now, and will expand to other cities in India soon.There are many hotspot trackers in development contributed by private developers.

2.2 PROPOSED SOLUTION:

This webapp is developed in such a way admin can add or delete a containment zone.If the user entered zone matches with the containment zone,it gives the warning message .By using this webapp you can verify your area with containment zones instantly and also you can view the list of containment zones you have visited.

2.3 DESCRIPTION:

Constructed a fine-grained transmission dynamics model to forecast the crucial information of public concern,therein using dynamical coefficients to quantify the impact of the implement schedule and intensity of the containment policies on the spread of epidemic.
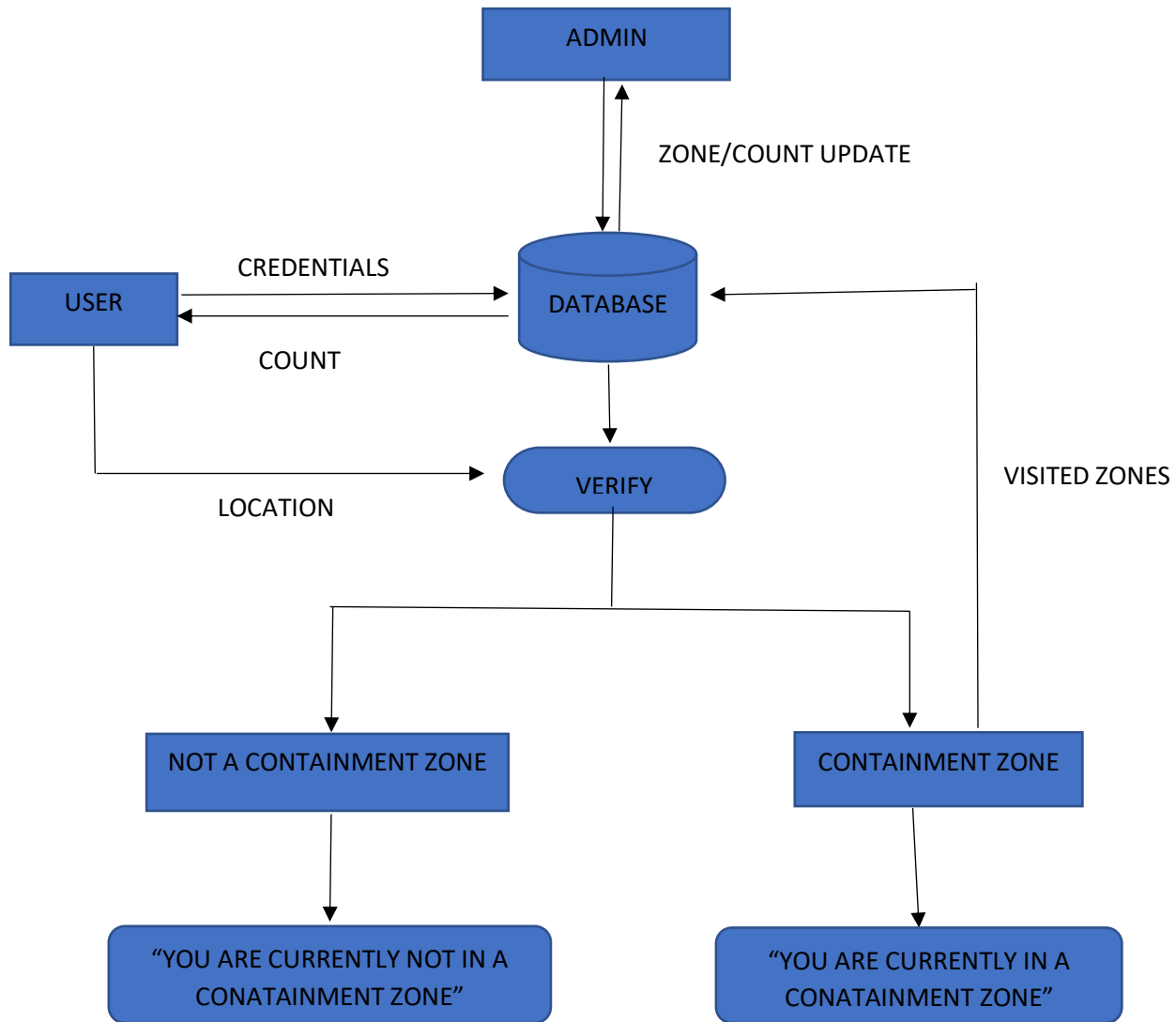
2.4 MERIT:

This model could deduce other significant pandemic indexes such that cumulative infected cases, cumulative confirmed cases, new suspected cases etc..

2.5 DEMERIT:

They used data from the university not from the common people, it will be accurate only we directly take data of patience.

3.THEORETICAL ANALYSIS:

3.1 FLOWCHART:

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                              ┌─────────────────┐
                              │      ADMIN       │
                              └─────────────────┘
                                      ↕
                                 ZONE/COUNT UPDATE

              CREDENTIALS          ┌─────────────┐
   ┌──────────┐ ───────────────►   │   DATABASE   │  ◄──────────
   │   USER   │ ◄───────────────   └─────────────┘            │
   └──────────┘      COUNT              │                      │
        │                               ▼                 VISITED ZONES
        │                          ┌─────────┐                 │
        └──────────────────────►   │  VERIFY  │                │
             LOCATION              └─────────┘                 │
                              ┌─────────┴─────────┐            │
                              ▼                   ▼            │
                  ┌─────────────────────┐  ┌─────────────────┐
                  │ NOT A CONTAINMENT   │  │ CONTAINMENT ZONE │
                  │       ZONE          │  └─────────────────┘
                  └─────────────────────┘           │
                              ▼                      ▼
              ┌─────────────────────────┐  ┌─────────────────────────┐
              │ "YOU ARE CURRENTLY NOT  │  │ "YOU ARE CURRENTLY IN A  │
              │ IN A CONATAINMENT ZONE" │  │  CONATAINMENT ZONE"      │
              └─────────────────────────┘  └─────────────────────────┘
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3.2 HARDWARE / SOFTWARE REQUIREMENTS:

1. PC or Smartphone with a browser.
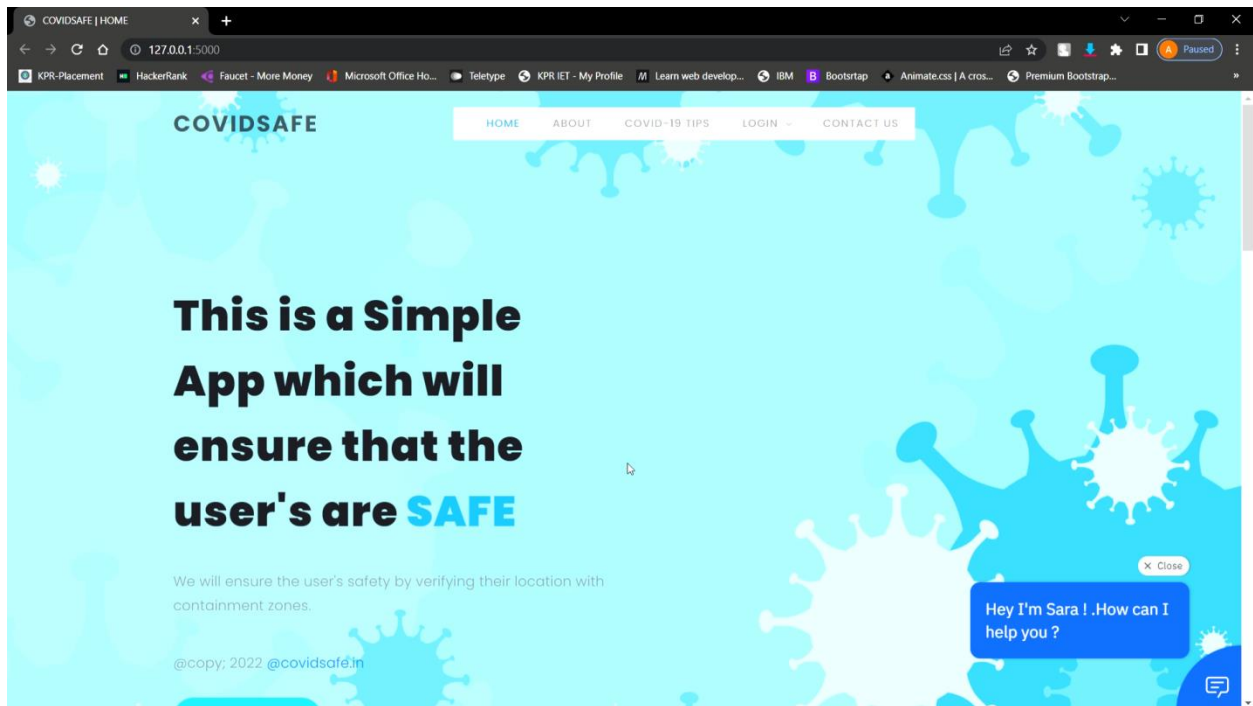
2. Active internet connection is enough.

4.EXPERIMENTAL INVESTIGATIONS:

The containment zones have been investigated by our team in person while working on the solution.
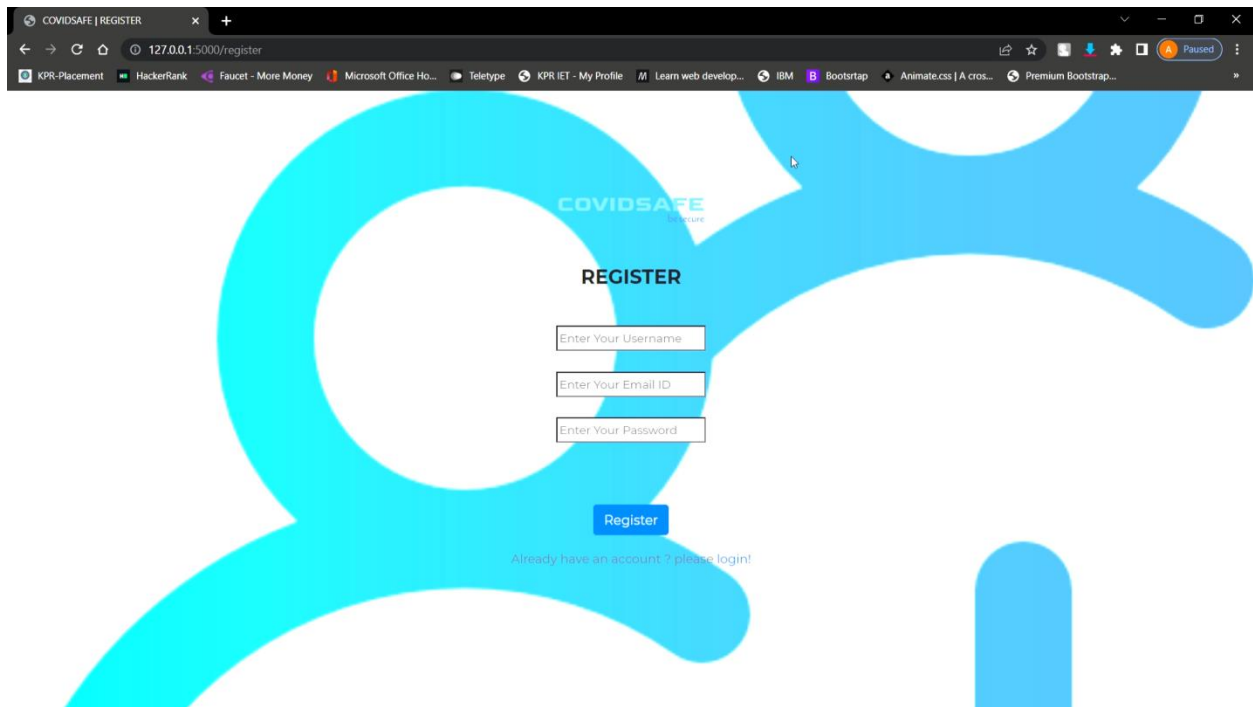
5.RESULT:

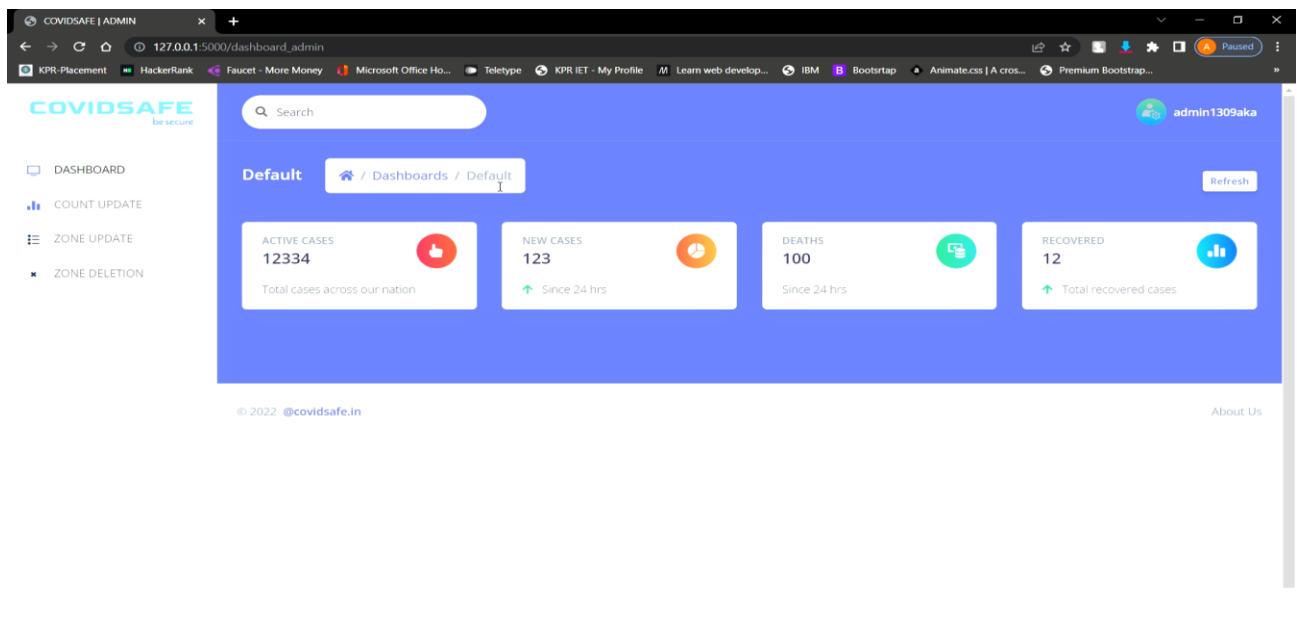## 5.1HOMEPAGE:

Firstly, You will be driven to the homepage.

Click on LOGIN at the top bar

If you are a first time user the click NEW USER or else go with EXISTING USER.

After registration enter your valid credentials and get logged in.

5.2DASHBOARD:

After getting logged in, you will be at the dashboard page in which you can see all the updates of our nation's covid count.

5.3 VERIFY YOUR LOCATION:

Click **VERIFY YOUR LOCATION** at the left to verify your area.

Provide the valid details of your area and click **VERIFY.**

5.4 VISITED ZONES:

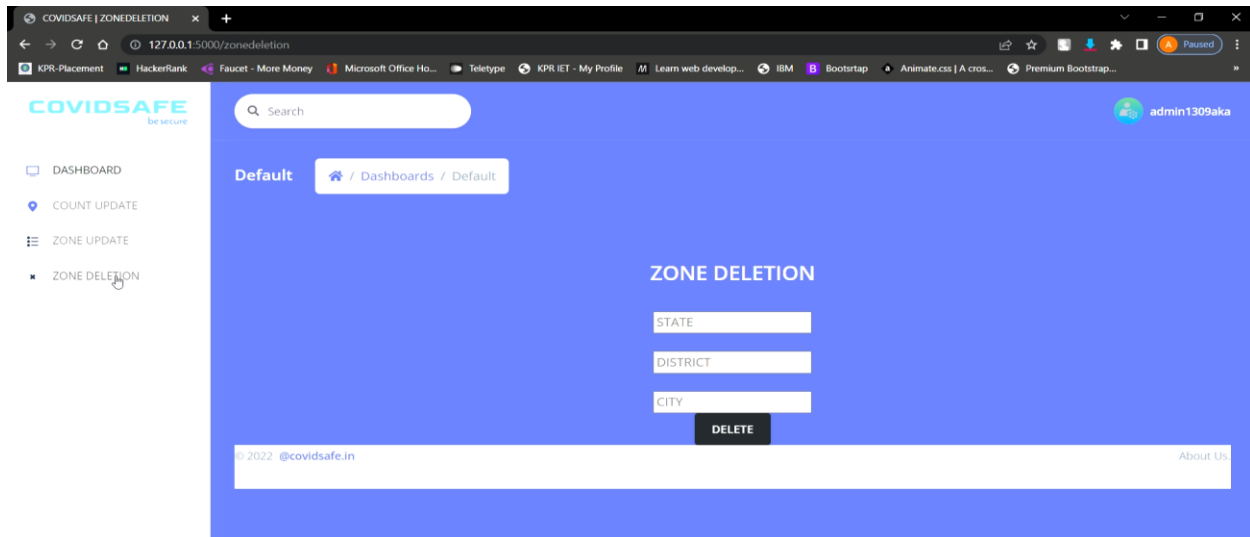You can also view the containment zones that you have visited by clicking **VISITED ZONES** at the left

5.5 ZONE UPDATE:

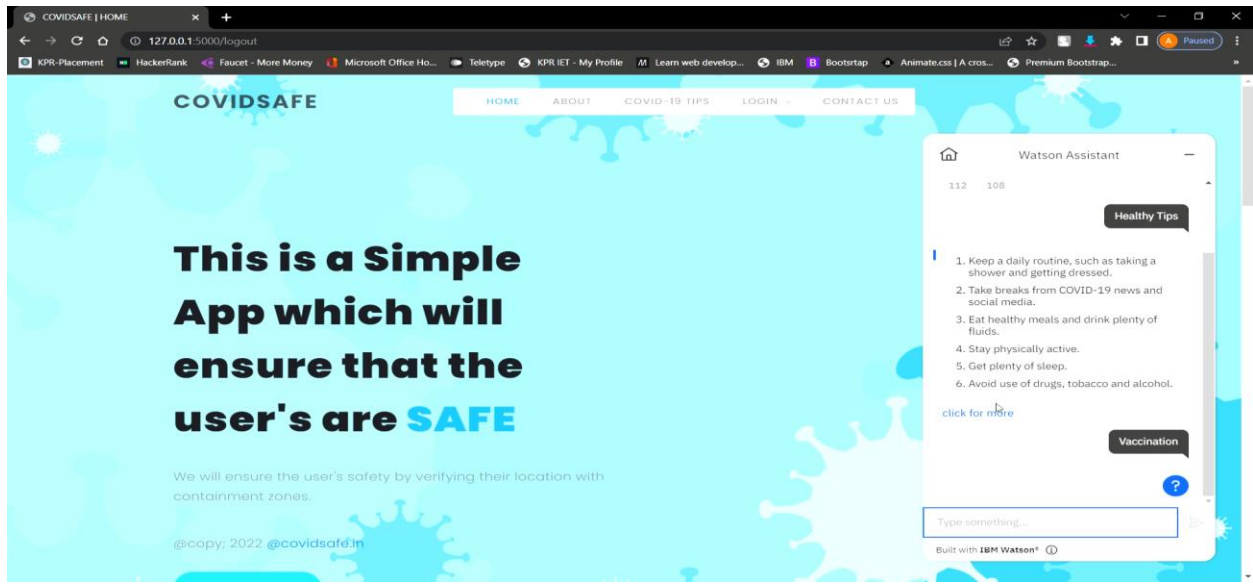Zone update and zone deletion can only accessed by the admin
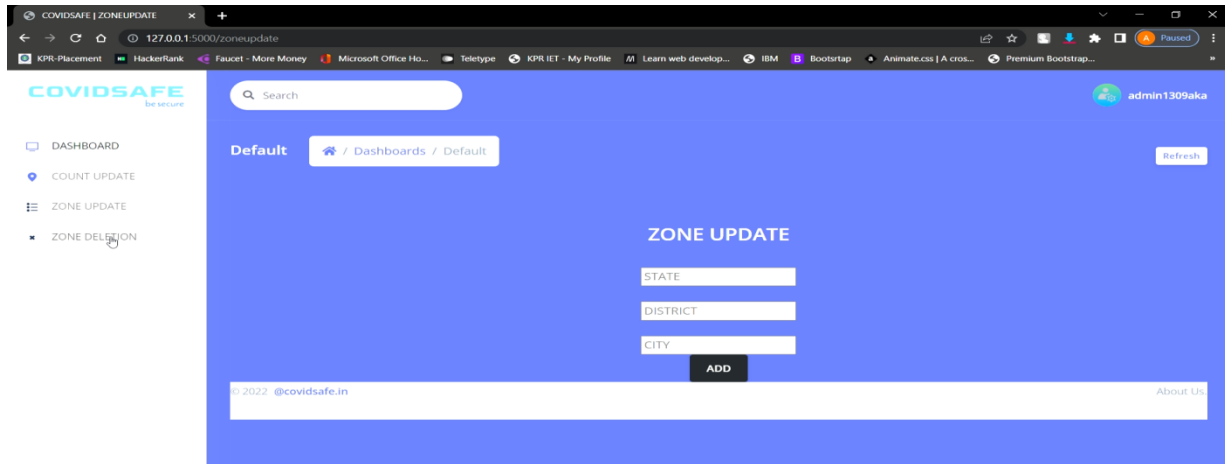
It intimate the user about containment zones
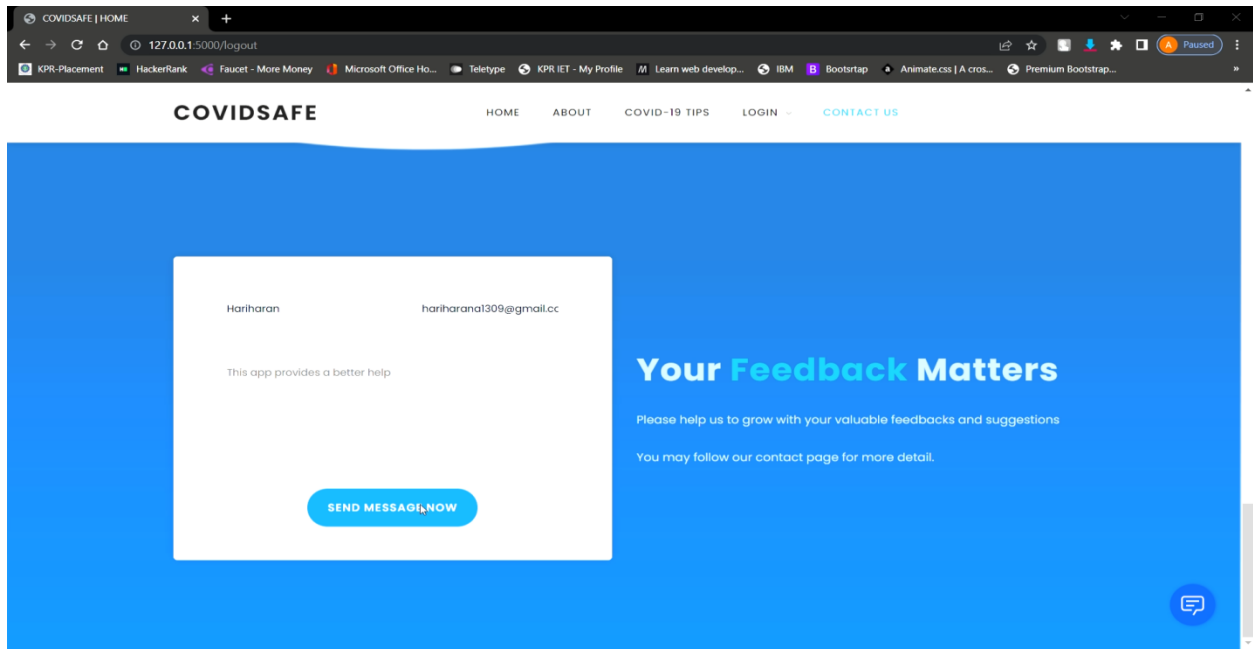
5.6 ZONE DELETION:

Similarly zone deletion will allow the admin to delete the non containment zones

5.6 WATSON ASSISTANT:

Watson assistant is an AI that are used to provide instructions,basic queries and related information the user needs.

5.6 FEEDBACK FORM:

The user can give feedbacks about the application here

6.ADVANTAGES AND DISADVANTAGES:

People can verify your location with containment zones instantly if you have good internet connection and also you can view the list of containment zones you have visited.You can also view the counts of covid active cases, new cases , deaths and recovered cases instantly.

The webapp is based on admin entry based and the activity of admin is highly required for this webapp.

7.APPLICATIONS:

This web application can be applied in any place as it depends only on the admin entries.It can be also altered for other zones according to the requirements.

8.CONCLUSION:

It is every citizens responsibility to help our nation to become a covid free country.Lets start it form our area.Get updated with your area's containment zone status.Maintain social distancing and take necessary precautions to create a better future.

BE SECURE!!!

THANK YOU

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