

CONTAINMENT ZONE ALERTING

TEAM ID- PNT2022TMID13119

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CHAPTER 1

INTRODUCTION

currently there are several research works undergoing in the country to prevent Covid-19 cases from rising. Previously our country was importing medical kits like PPE (Personal Protection Kits), mask from outside, but now it has been successful in developing these kits. Along with taking initiatives to fight this disease, our country has also taken steps to make people aware of the disease. The news and media have a great part in creating this awareness by informing the public about the preventive measures that can keep them away from infection. Awareness among the people to carry out all the preventive measures can immensely help to reduce spread of the virus. The country has created containment zones throughout the cities wherever Covid-19 cases have been reported to prevent further spread of the virus. These containment zones have been kept isolated from the outside public to ensure no contamination occurs outside.

1.1 PURPOSE

The Android application shows the location of the containment zones to the users. It also notifies the user when he or she trespasses the boundary of a containment zone or stays in the containment zones.

2.LITERATURE SURVEY

2.1 Existing problem

The survey shows that there are several apps developed in the country to fight and contain COVID-19. Most of the states of our country have their own apps with specific features and functionality to help their citizens to stop COVID-19 spread, get medical assistance during a crisis, create awareness, and understand safety precautions. The study also shows that there are a limited number of apps which show the COVID-19 containment zones in the country or state and out of these none has the functionality of notifying and alerting the user when they have entered a containment zone. Therefore, no app in the Google Playstore is comparable with our proposed application because the idea behind the development of the proposed app is different. This highlights the novelty of the proposed app.

2.2 Reference:

Bahl P, Doolan C, de Silva C, Chughtai AA, Bourouiba L, MacIntyre CR. Airborne or droplet precautions for health workers treating Coronavirus disease 2019? *J Infect Dis.* 2020 doi: 10.1093/infdis/jiaa189

2.3 Problem Statement Definition

Project Idea:

This application is intended to provide information about containment zones in a particular region by alerting people, through continuous monitoring of an individual's location. Key benefits of the application are monitoring people's activity and alerting them of their safety movements.

Solution Requirement:

The project aims at building an application that provides information about the containment zones of a particular region by continuously monitoring an individual's location. Location of the individual must be stored in the Database. Alerts are sent using the notification service .

Features of the Application

Admin App (portal):

They should login to the app and update the containment zones locations in the portal. Based on the location a Geofence will be created within a 100 meters radius. They should be able to see how many people are visiting that zone.

User App (Mobile App):

The app should have a user registration and login. After the user logged into the app it will track the user's location and update the database with the current location. If the user is visiting the containment zone he will get an alert notification.

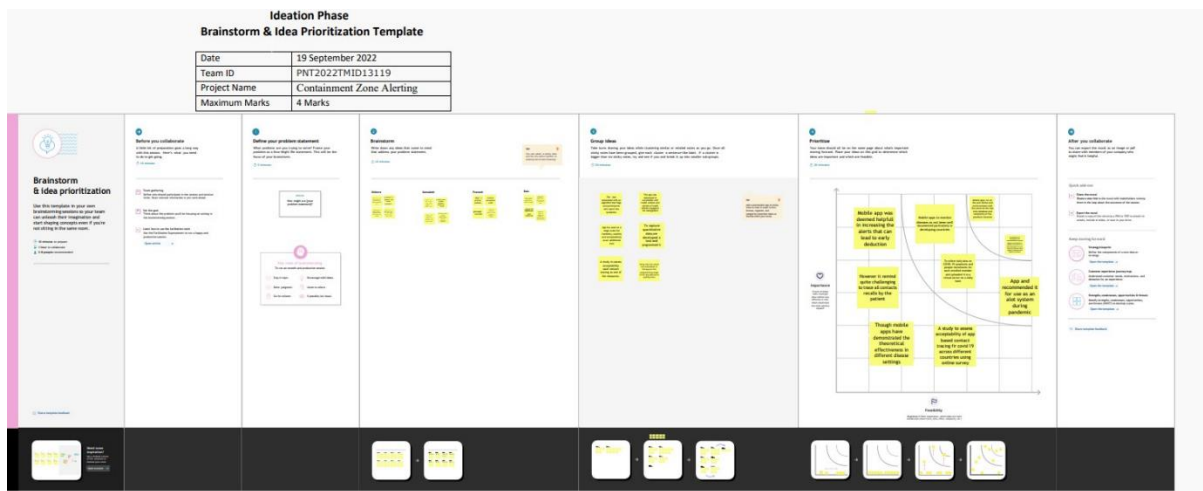
CHAPTER 3

IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas:



3.2 Ideation & Brainstorming:



3.3 Proposed Solution:

S.No.	Parameter	Description
•	Problem Statement (Problem to be solved)	The main objective of this project is to provide virtual assistance to user about the containment zone. It also provides updated data base about the affected area.
•	Idea / Solution description	Constant updation of result collected from the testing center about the affected people can be merged with the application. We intend to collaborate our application with google map to locate the containment zone.
•	Novelty / Uniqueness	It will alert the user before reaching the place using the current location of the user ,whether the place is affected or not . If affected it will enroute alternate way.
•	Social Impact / Customer Satisfaction	This project will satisfy the customer need . For example: Suppose if we travel to a place where a specific area is affected by covid this application will alert the user(customer) which intern reduces the cause of infection by the affected people.
•	Business Model (Revenue Model)	1.No.of users downloading the application 2.In association with pharmacy(telemedicine) 3.Internet usage
•	Scalability of the Solution	we use this application for covid emergency situation. In future it can be used for other emerging pandemic condition.

3.4 Problem Solution Fit:

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) The user/customer who belongs to the business team	6. CUSTOMER CONSTRAINTS There is a limitation of using this application because the user/customer who is having knowledge if this application can work on it easily	5. AVAILABLE SOLUTIONS We can use google maps and GPS to show which area is least cases and more cases and other instructions, to alert the people in the zone and the public knowledge	Explore AS, differentiate
Focus on J&P is a main	2. JOBS-TO-BE-DONE / PROBLEMS It is easy to analyze the issues and risks in containment zones. It is a best way to meet the peoples easily to identify the disaster region and prevented from danger. Detection and recognition of risk zones using cloud computing are very efficient in providing information about containment zones at its earliest.	9. PROBLEM ROOT CAUSE Generally, we cannot identify the number of cases on area in the particular location. Whereas it is in real zone or normal zone or any instruction to survive on the particular area.	7. BEHAVIOUR Easy to use Can be able to respond quickly Able to provide precise decision based on the disease Analysis Requirement of internet speed	Focus on J&P, keep into BE
Identify strong TR & EM	3. TRIGGERS Movement in containment zones will be monitored to ensure that nobody leaves or visit, except for medical emergencies 4. EMOTIONS: BEFORE / AFTER Before - The user/customer who never have used before makes their anxious After - As the user knows how to use this application then they will become comfortable and finally is environment	10. YOUR SOLUTION The application is built which uses this model. The application updates you to stay up to date regarding the number of cases, both locally and nationally. The accurate numbers can help you assess your risk further	8. CHANNELS of BEHAVIOUR 8.1 ONLINE Customers can be able to identify their zone is disaster or not. Using google map and GPS in the map to know the cases in the containment zone. 8.2 OFFLINE Store the data and information is being stored	Extract online & offline CH of BE

CHAPTER 4

REQUIREMENT ANALYSIS

4.1 Functional Requirement:

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Users can sign up using their email address or existing phone number.
FR-2	User Confirmation	Confirmation can be completed by sending a verification code via email or using an OTP.
FR-3	Track the location	Utilizing the Google map API, track the intruders and update the areas marked as containment zones on the Googlemap.
FR-4	Affected areas are shown	Geo fence serves as a warning for trespassers, and containment zones were labeled using zone colours.
FR-5	Alert notification	If the user enters the containment zone, a notification or message will be sent by tracking their location using GPS.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The COVID-19 investigative process is more effective and thorough because of the user interface, which is particularly easy to use when compared to other interfaces.
NFR-2	Security	The user's data will be secured.
NFR-3	Reliability	The user may travel securely and rely on the information provided by the programme..

NFR-4	Performance	The Geofencing and GPS technologies can be used to produce the most suitable results.
NFR-5	Scalability	It is possible to access this application from anywhere, and the zone information is accurate.

CHAPTER 5

PROJECT DESIGN

Data Flow Diagrams:

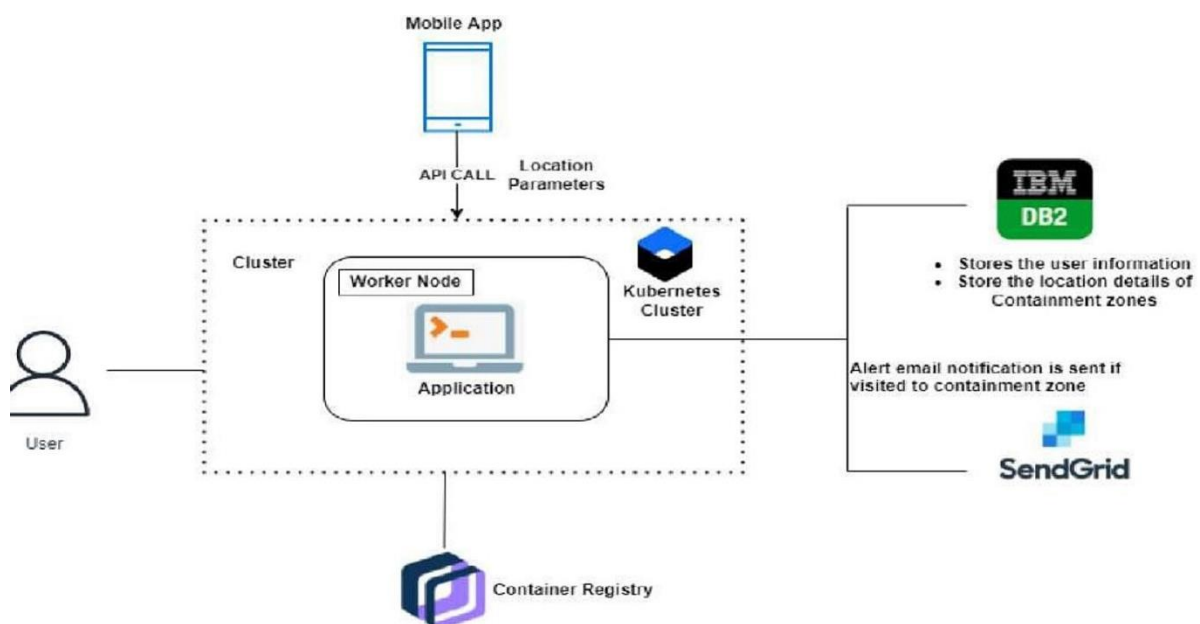
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Flow:

1. The Admin control management and get statistical data of the application
2. The Co-admin monitor the Containment zone and provide updated data .
3. The User Login to their account.
4. The User can view and get more details about containment zone and their native location.
5. User tracks the containment zone by geo-fencing to get localized information and alters.
6. If user enters containment zone , receives alert notification.

User Stories:

5.2 Solution & Technical Architecture



CHAPTER 6

Project Planning & Scheduling

6.1 Sprint Planning & Estimation

TITLE	DESCRIPTION	DATE
Literature Survey & Information Gathering	Literature survey on the selected project & gathering information by referring the, technical papers, research publication etc.	19 September 2022
Prepare Empathy Map	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements.	19 September 2022
Ideation	List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance.	19 September 2022
Proposed Solution	Prepare the problem statement, research, and solution	19 September 2022
Problem Solution Fit	Prepare problem solution fit document	19 September 2022
Solution Architecture	Prepare solution architecture document.	19 September 2022
Customer Journey	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit).	01 October 2022
Solution Requirement	Prepare the functional requirement document	03 October 2022

Data Flow Diagrams	Draw the dataflow diagrams and submit for review.	03 October 2022
Technology Architecture	Prepare the technology architecture diagram.	10 October 2022
Prepare Milestone & Activity List & Sprint Delivery Plans	Prepare the milestones & activity list of the project.	16 October 2022
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	23 October 2022 – 19 November 2022

6.2 Sprint planning Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story/ Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	User: I can register for the application by entering my email, password and verifying password	3	High	Kishore
		USN-2	User: I will receive a confirmation email once I have registered for the application	2	High	kishore
		USN-3	User: I can register for the application through Gmail	5	Medium	kishore
		USN-4	Management: I need to register my hospitals on the site.	2	High	kishore

	Login	USN-5	User: I can log into the application by entering my email & password	3	High	kamalesh
		USN-6	Management: I need to login into my dashboard with my given hospital id and password.	5	Medium	kamalesh
Sprint-2	Dashboard	USN-7	User: I need to give permission to access my Contacts, Location, and Storage	5	High	pranesh

		USN-8	User: I get access to the dashboard which shows a map with containment zones	5	High	Balamurugan kamlesh
		USN-9	Management: I need to enter the case information of the patient that visits our hospital.	5	High	Pranesh, kishore
	Service	USN-10	Admin: I need to provide valid information about the pandemic out there.	5	High	Kishore, kamalesh
Sprint-3	Dashboard	USN-11	Management: I need to store all the patient information on the cloud.	5	High	Kishore, kamalesh
	Service	USN-12	Admin: I need to provide medical advice through a chatbot.	5	Medium	Balamurugan, pranesh
		USN-13	Admin: I need to provide medical recommendations by collaborating with top hospitals	5	Low	Pranesh, kishore
		USN-14	Admin: I need to provide preventive measures when they travel through it.	5	High	Kamalesh, Balamurugan
Sprint-4	Register	USN-15	User: I can register for the application through Facebook.	2	Low	Pranesh
		USN-16	User: I can register for the application through Twitter.	2	Low	Kamalesh

	Service	US N-17	Admin: I need to alert the user when they enter pandemic zones	3	Medium	Balamurugan
		US N-18	Admin: I need to provide special services for premium users by giving services like monitoring health by their smartbands	3	Low	Pranesh

Data Collection	US N-19	Admin: I need to store all the user information on the cloud	5	Medium	Kishore
	US N-20	Admin: I need to collect the recent list of diseases in the world.	5	Low	kamalesh

Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	5 Days	23 Oct 2022	28 Oct 2022	20	29 Oct 2022
Sprint-2	20	5 Days	29 Oct 2022	03 Nov 2022	20	05 Nov 2022
Sprint-3	20	5 Days	06 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	5 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

It will be updated after the first week of work is completed.

$$AV = \text{Sprintduration} / \text{velocity} = 20 / 10 = 2B$$

urndownChart:

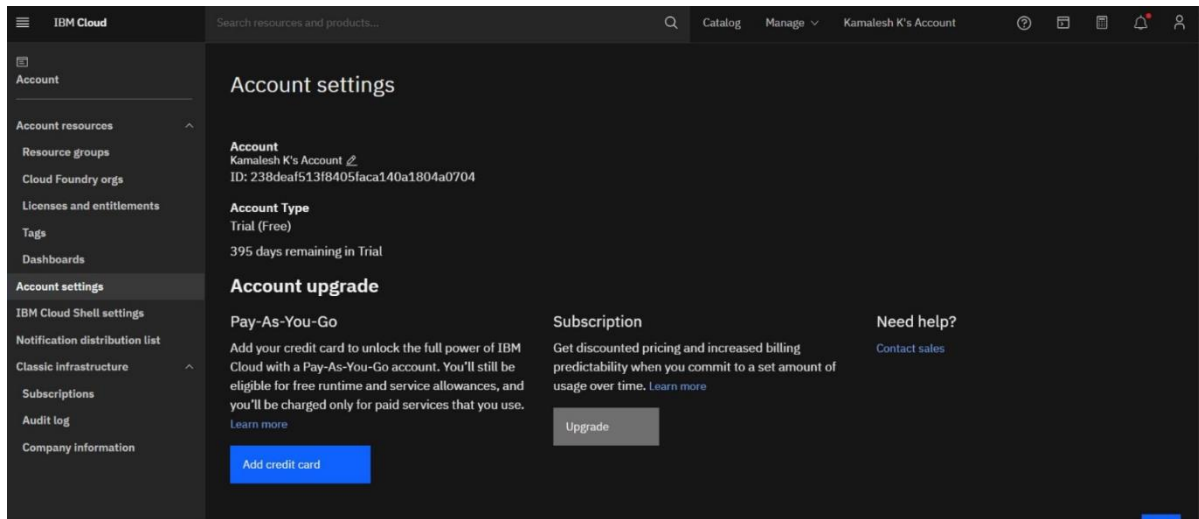
It will be updated after the first week of work is completed.

CHAPTER 7

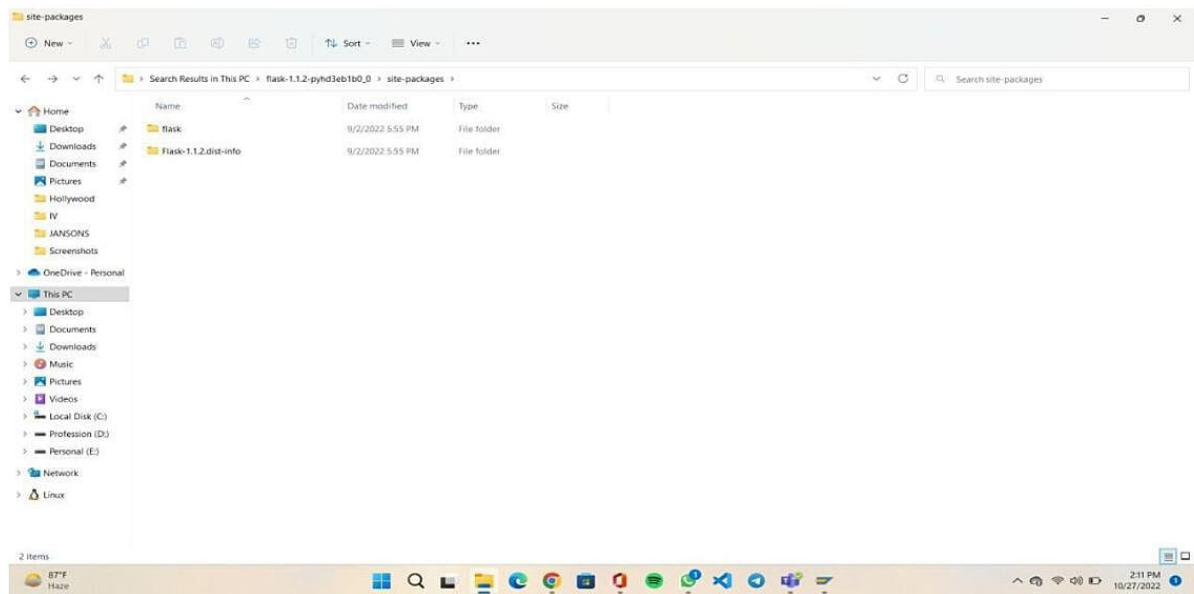
CODING & SOLUTIONING

7.1 Feature:

7.1.1 Create An IBM Account:



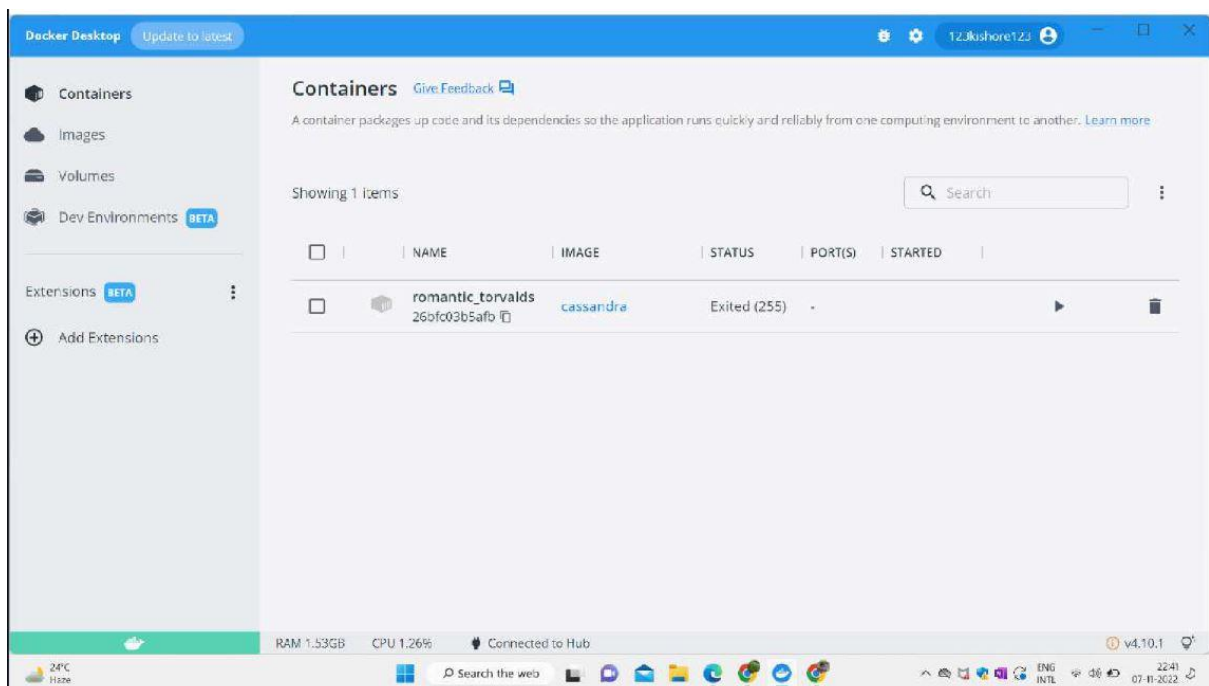
7.1.2 Create Flask Project:



7.1.3 Install IBM Cloud CLI:

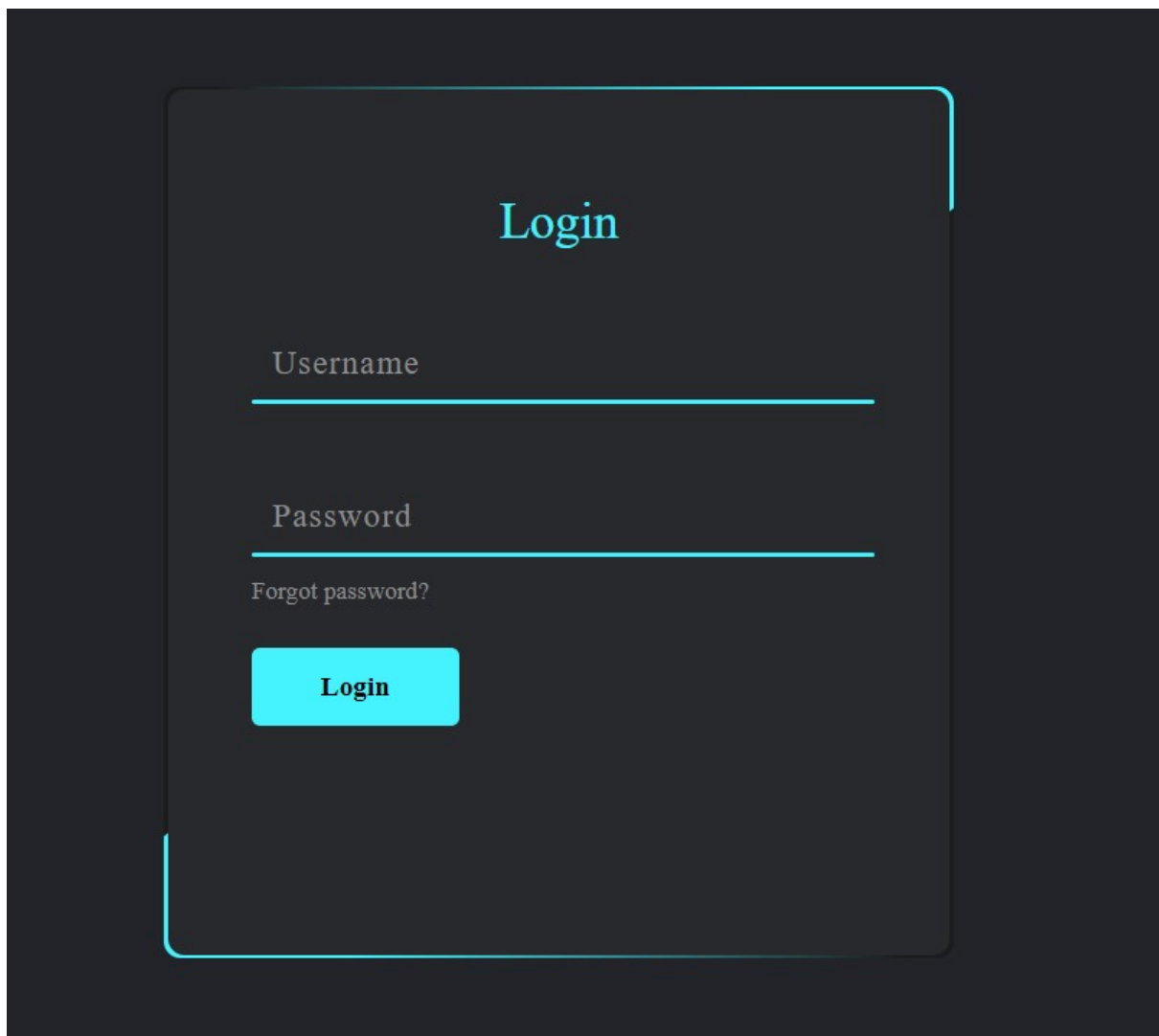
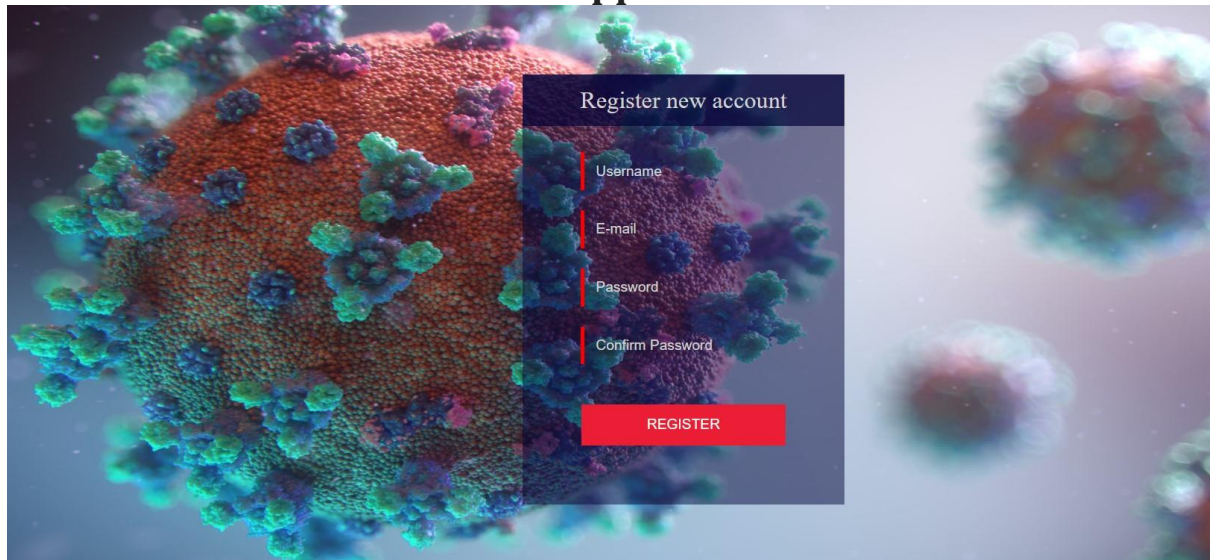


7.1.4 Docker CLI Installation:

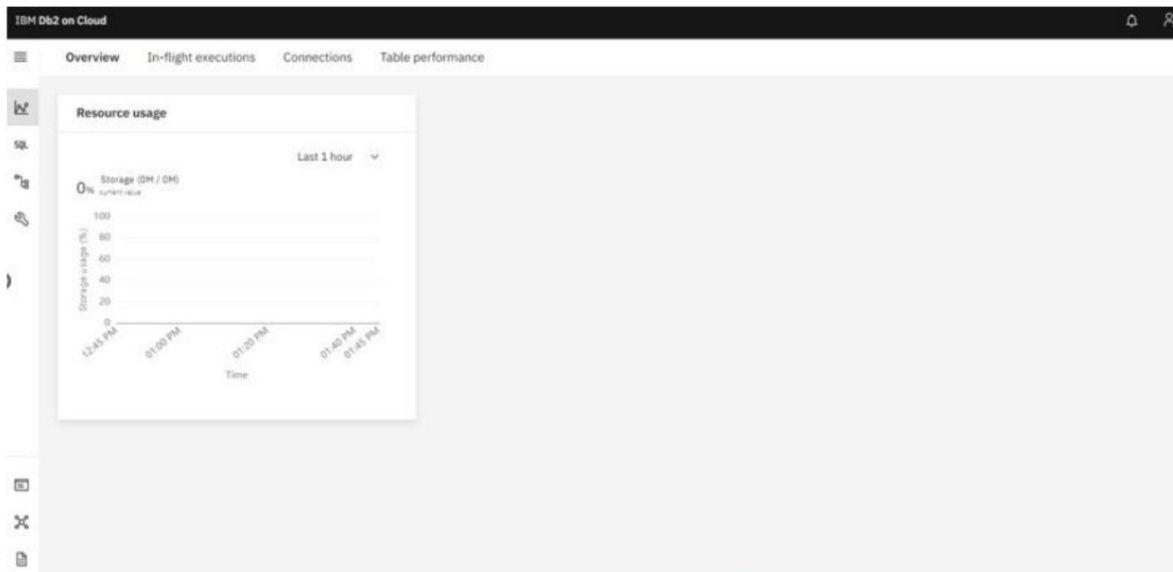


7.2Feature

7.2.1create UI to Interact with Application:



7.2.2 Create IBM DB2 connect With Python



7.2.3 Create Api Flask:

```
from flask import Flask, request, jsonify
```

```
app = Flask( name )
```

```
@app.route('/')
```

```
def hello_world():
```

```
    return 'This is my first API call!'
```

```
@app.route('/post', methods=["POST"])
```

```
def testpost():
```

```
    input_json = request.get_json(force=True)
```

```
    dictToReturn = {'text':input_json['text']}
```

```
    return jsonify(dictToReturn)
```

```
ALTER:
```

```
import os
```

```
import time
```

```
import datetime
```

```
import requests
```

```
import json
```

```
import flask
```

```
import boto3
```

```
import pycpg2
```

```

from flask import request
app = flask.Flask( name )
app.config["DEBUG"] = True
db_cred = os.environ['DB_CRED']
def connectToDb():
    conn = psycopg2.connect(db_cred)
    cur = conn.cursor()
    return conn, cur
def closeDbConnection(conn, cur):
    cur.close()
    conn.close()
#This function will be used to execute a query and return the result
def db_query(query):
    conn, cur = connectToDb()
    cur.execute(query)
    res = cur.fetchall()
    closeDbConnection(conn, cur)
    return res
#This function will be used to insert a row or rows into the database
def db_insert(query, values):
    conn, cur = connectToDb()
    cur.execute(query, values)
    conn.commit()
    close

```

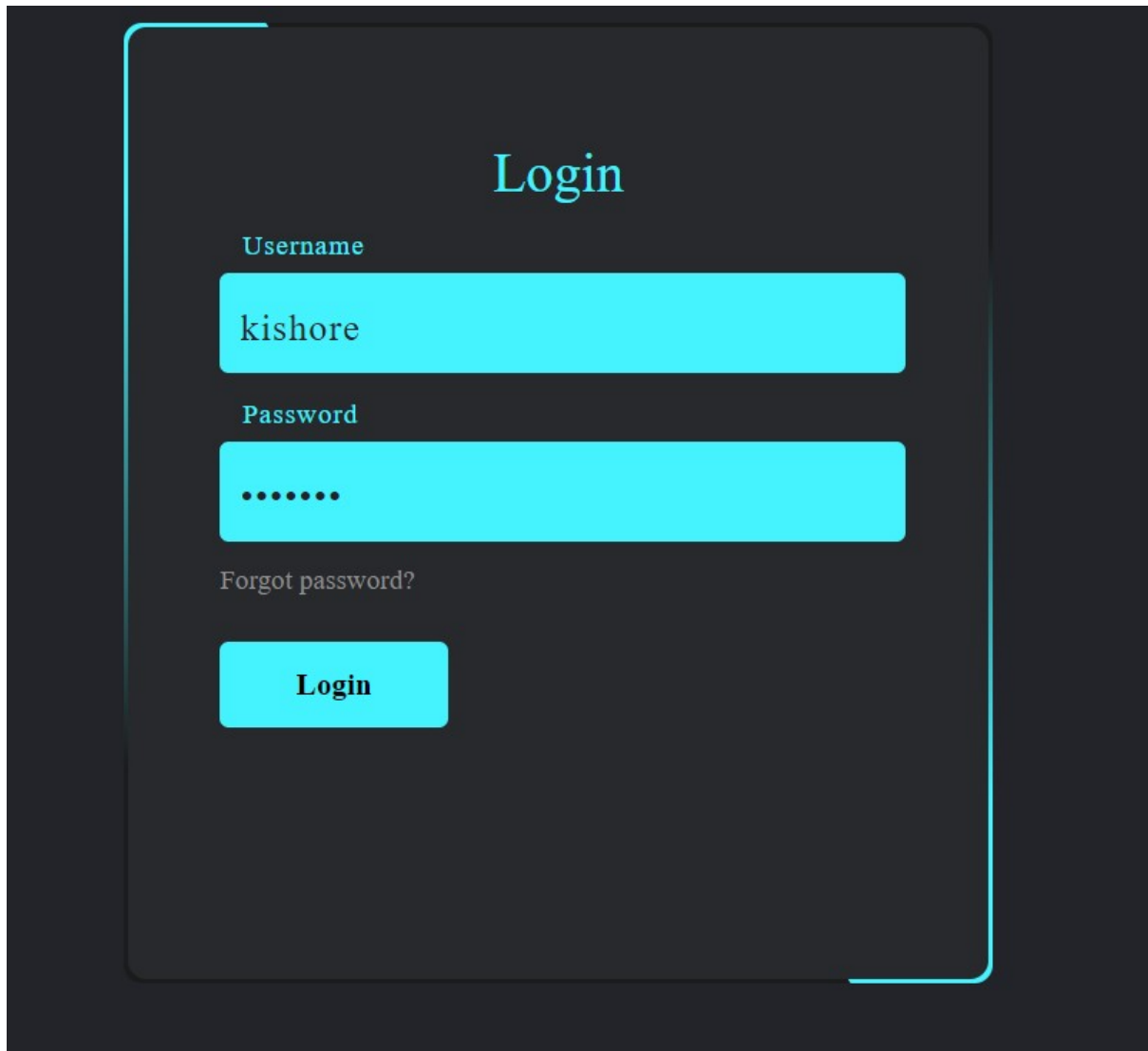
Integrating SendGrid Service



```
app.py x
C:\Users\prane> python app.py ...
1 import sendgrid
2 import os
3 from sendgrid.helpers.mail import Mail, Email, To, Content
4
5 sg=sendgrid.SendGridAPIClient(api_key='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')
6 from_email = Email("muruganbala3333@gmail.com")
7 to_email = To("sathiyakishore11@gmail.com")
8 subject = "Sending With SendGrid is Fun"
9 content = Content("text/plain", "and easy to do anywhere, even with python")
10 mail = Mail(from_email, to_email, subject, content)
11
12
13 #Get a JSON-ready representation of the Mail object
14 mail_json = mail.get()
15
16 #Send an HTTP POST request to /mail/send
17 response = sg.client.mail.send.post(request_body=mail_json)
18 print(response.status_code)
19 print(response.headers)]
```

CHAPTER 8

Testing

A login form with a dark gray background. The form is enclosed in a rounded rectangle with a thin gray border. At the top, the word "Login" is centered in a large, white, serif font. Below it, the label "Username" is in a small, white, sans-serif font, followed by a white input field containing the text "kishore". Below that, the label "Password" is in a small, white, sans-serif font, followed by a white input field containing seven dots. Below the password field, the text "Forgot password?" is in a small, white, sans-serif font. At the bottom, there is a white button with the word "Login" in a bold, black, sans-serif font.

Login

Username

kishore

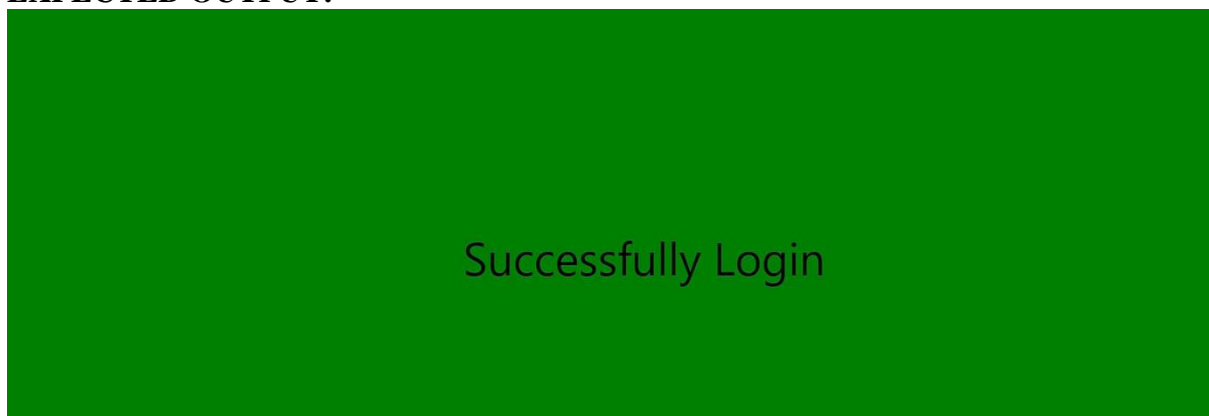
Password

.....

Forgot password?

Login

EXPECTED OUTPUT:

A solid green rectangular box with the text "Successfully Login" centered in a white, sans-serif font.

Successfully Login

Any Qurey Clicking below !!

Covid affect persons registering

Recover the affect persons registering

Tracking the Covid affect persons

COVID-19

ilding community and health system resilience during a crisis As COVID-19 rages on, Pathfinder is working with governments in + countries to forge stronger health and social systems that maintain essential sexual and reproductive health services, keep off safe, and prevent and mitigate the spread of COVID-19. The heart of our challenge since the onset of the pandemic has been to continue our critical sexual and reproductive health work in an era when COVID-19 has complicated nearly every decision. Shutdowns, supply shortages, and at times, a fear of going to health facilities due to COVID-19 have challenged the continued provision of sexual and reproductive health care. But our staff, and the communities they work alongside, are more than up to the challenge. Pathfinder's targeted response is helping women, girls, and their communities not only survive this crisis but come through stronger and more resilient. Learn how we're building resilience in the face of COVID-19

8.2 User Accepting Testing

1. Usage of Document

The Usage of this document is to briefly explain the test coverage and open issues of the project at the time of the release to User Acceptance Testing .

2. Defect Detected

This report shows the number of resolved or closed bugs and lot of constraint at each severity

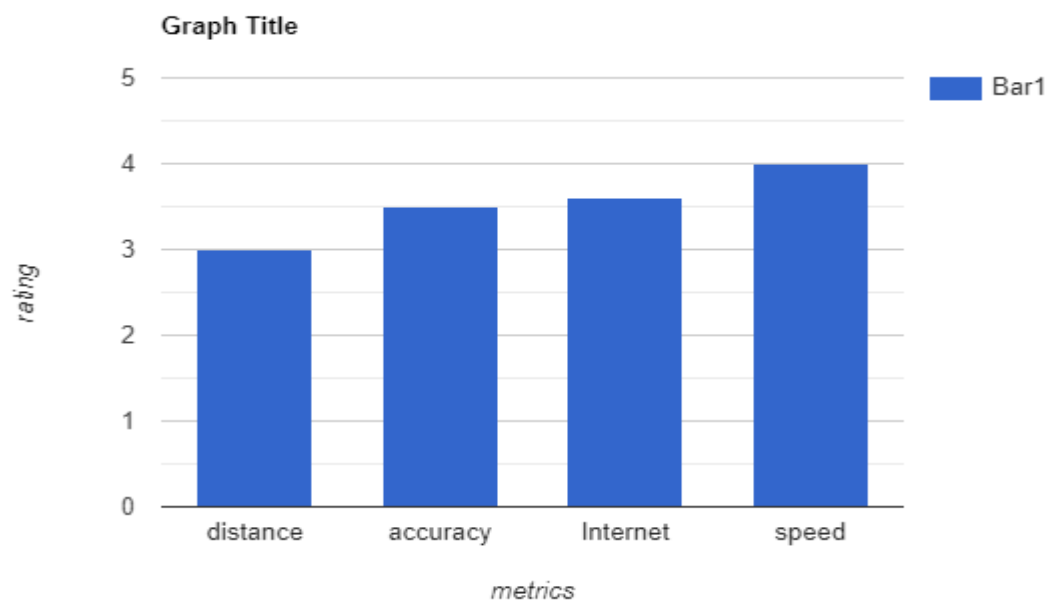
level, and how they were resolved in testing

This report shows the number of test cases that have passed, failed, and untested.

Section	Total Cases	Not Tested	Fail	Pass
Print Engine	10	0	0	10
Client Application	50	0	0	50
Outsource Shipping	3	0	0	3

CHAPTER 9
RESULT

PERFORMANCE METRICS



CHAPTER 10

ADVANTAGE AND DISADVANTAGE

AI can facilitate rapid diagnosis and risk prediction of COVID-19. A cloud-based AI-assisted CT service is used to detect COVID-19 pneumonia cases in China.⁷ This technology processes CT images in seconds, differentiating COVID-19 from other lung diseases and speeding up the diagnostic process substantially.^{7, 11} COVID-Net, an open-source deep convolutional neural network design available to clinicians across the globe, can quickly detect COVID-19 cases from other lung diseases on chest x-rays.²⁸ Machine learning algorithms developed in China can predict the likelihood of developing acute respiratory distress syndrome and critical illness among infected patients.^{7, 28} These prediction models can guide clinical decision-making and resource allocation, identifying regions and hospitals in need of critical care resources and medical supplies.⁷

CHAPTER 11

CONCLUSION

The integration of digital technology into pandemic policy and response could be one of several characteristic features of countries that have flattened their COVID-19 incidence curves and maintained low mortality rates. In the race to contain the spread of a highly transmissible virus, countries that have quickly deployed digital technologies to facilitate planning, surveillance, testing, contact tracing, quarantine, and clinical management have remained front-runners in managing disease burden. The comprehensive responses of countries that have been successful at containment and mitigation can provide insight to other countries that are still facing a surge of cases.

CHAPTER 12

FUTURE SCOPE

The application provides an efficient way of showing the identified Covid-19 containment zones to the users in a Google map. With the alarming increase of Covid-19 affected cases throughout the world, this developed application can be employed as a tool for creating further social awareness among the people. This application further tracks the user's location and checks whether it is present in the list of identified containment zones. It sends separate notification alerts to the user on entering. The developed android application further extracts the IMEI Number of the trespasser in the containment zones which can be useful to the local police to track and identify people who are frequently trespassing the containment zones. Thereby this application identifies the containment zones and highlights the need for taking further precautionary measures for combating Covid-19. The application has been tested in various locations and has been found to yield accurate results.

CHAPTER 13

APPENDIX

LOGIN.HTML

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Login Page</title>
    <link rel="stylesheet" href="covidlogin.css">
  </head>
  <body>
    <div class="box">
      <div class="form">
        <h2>Login</h2>
        <div class="inputBox">
          <input type="text" required="required">
          <span>Username</span>
          <i></i>
        </div>
        <div class="inputBox">
          <input type="password" required="required">
          <span>Password</span>
          <i></i>
        </div>
        <div class="links">
          <a href="#">Forgot password?</a>
        </div>
        <a href="#"><input type="submit" value="Login"></a>
      </div>
    </div>
  </body>
</html>
```

COVIDINDEX.HTML

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Covid Index</title>
```

<style>

body

```
{  
  overflow-x: hidden;  
}
```

.cl

```
{  
position:relative;  
left:10px;  
top:6px;  
right:4px;  
}
```

.btn

```
{  
position:relative;  
left:500px;  
font-size:20px;  
border: none;  
  border-radius:5px;  
  color: white;  
padding: 10px ;  
text-align: center;  
text-decoration: none;  
display: inline-block;  
font-size: 16px;  
margin: 4px 8px;  
margin-right:2px;  
height:40px;  
cursor: pointer;  
background-color:blue;  
}
```

```
.container {  
  position: relative;  
  text-align: center;  
  color: white;  
}
```

```
.anf  
{  
  position:relative;  
  left:435px;  
  color:#F12B02;  
}
```

```
.head  
{  
  color:red;  
  position:relative;  
  left:550px;  
  margin:2px;  
}
```

```
.centered {  
  position: absolute;  
  top: 50%;  
  left: 50%;  
  transform: translate(-50%, -50%);  
  font-size:35px;  
  color:yellow;  
  background-color:black;  
}
```

```
.img  
{  
  position:relative;  
  left:60px;
```

```
}
```

```
.textsize1
```

```
{  
  font-size:20px;  
  position:relative;  
  left:10px;  
}
```

```
.im
```

```
{  
font-size:30px;  
color:red;  
position:relative;  
left:25px;  
}
```

```
.res
```

```
{  
  color:green;  
}
```

```
@import
```

```
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&displa  
y=swap');
```

```
body{
```

```
  line-height: 1.5;  
  font-family: 'Poppins', sans-serif;
```

```
}
```

```
*{
```

```
  margin:0;  
  padding:0;  
  box-sizing: border-box;
```

```
}
```

```
.container{
    max-width: 1170px;
    margin:auto;
}
.row{
    display: flex;
    flex-wrap: wrap;
}
ul{
    list-style: none;
}
.footer{
    background-color: #24262b;
    padding: 70px 0;
}
.footer-col{
    width: 25%;
    padding: 0 15px;
}
.footer-col h4{
    font-size: 18px;
    color: #ffffff;
    text-transform: capitalize;
    margin-bottom: 35px;
    font-weight: 500;
    position: relative;
}
.footer-col h4::before{
    content: "";
    position: absolute;
    left:0;
    bottom: -10px;
    background-color: #e91e63;
    height: 2px;
```



```
        box-sizing: border-box;  
        width: 50px;  
    }  
.footer-col ul li:not(:last-child) {  
    margin-bottom: 10px;  
}  
.footer-col ul li a {  
    font-size: 16px;  
    text-transform: capitalize;  
    color: #ffffff;  
    text-decoration: none;  
    font-weight: 300;  
    color: #bbbbbb;  
    display: block;  
    transition: all 0.3s ease;  
}  
.footer-col ul li a:hover {  
    color: #ffffff;  
    padding-left: 8px;  
}  
.footer-col .social-links a {  
    display: inline-block;  
    height: 40px;  
    width: 40px;  
    background-color: rgba(255,255,255,0.2);  
    margin: 0 10px 10px 0;  
    text-align: center;  
    line-height: 40px;  
    border-radius: 50%;  
    color: #ffffff;  
    transition: all 0.5s ease;  
}  
.footer-col .social-links a:hover {  
    color: #24262b;
```

```
background-color: #ffffff;
}
```

```
.button {
border: none;
border-radius: 5px;
color: white;
padding: 10px ;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 4px 8px;
margin-right: 2px;
height: 40px;
cursor: pointer;
background-color: green;
position: relative;
left: 200px;
}
```

```
.hl
{
color: green;
```

```
}
```

```
.al
{
text-align: center;
color: yellow;

}
```

```
@media(max-width: 767px){
```

```
  .footer-col{
```

```
    width: 50%;
```

```
    margin-bottom: 30px;
```

```
  }
```

```
}
```

```
@media(max-width: 574px){
```

```
  .footer-col{
```

```
    width: 100%;
```

```
  }
```

```
}
```

```
.vac
```

```
{
```

```
  display: flex;
```

```
  position: relative;
```

```
  left: 40px;
```

```
}
```

```
.rp
```

```
{
```

```
  color: red;
```

```
  position: relative;
```

```
  left: 50px;
```

```
  margin: 2px;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
  <div class="c1">
```

```
    
```

```
<div class="centered"><B>CONTAINMENT ZONE ALERTING</B></div><br>
  <a href="covidlogin.html"><button class="btn">Login</button></a></button>
  <a href="covidregister.html"><button class="btn">Resgiter</button></a></button>
</div>
```

```
<br>
```

```
<h1 class="anf">Any Qurey Clicking below !!</h1>
```

```
<br>
```

```
<br>
```

```
<a href="capr.html"><button class="button"><u>Covid</u> affect persons registering
</button></a>
```

```
<a href="rapr.html"><button class="button">Recover the affect persons
registering</button></a>
```

```
<a href="https://goo.gl/maps/rU1hog7mt6Rcf99NA"><button class="button"><u>Tracking</u>
the <u>Covid</u> affect persons</button></a>
```

```
<br>
```

```
<br>
```

```
<h1 class="head">COVID-19</h1>
```

```
<br>
```

```
<p class="textsize1">Building community and health system resilience during a crisis
As COVID-19 rages on, Pathfinder is working with governments in 20+ countries to forge
stronger health and social systems that maintain essential sexual and reproductive health
services, keep our staff safe, and prevent and mitigate the spread of COVID-19.
```

The heart of our challenge since the onset of the pandemic has been to continue our critical sexual and reproductive health work in an era when COVID-19 has complicated nearly every decision. Lockdowns, supply shortages, and at times, a fear of going to health facilities due to COVID-19 have challenged the continued provision of sexual and reproductive health care.

But our staff, and the communities they work alongside, are more than up to the challenge. Pathfinder's targeted response is helping women, girls, and their communities not only survive this crisis but come through it stronger and more resilient.

Learn how we're building resilience in the face of COVID-19

<div class="img">

</div>

<h1 class="head">Stay Safe To Put Vaccination </h1>

<p class="textsize1">There are several COVID-19 vaccines validated for use by WHO (given Emergency Use Listing). The first mass vaccination programme started in early December 2020 and the number of vaccination doses administered is updated on a daily basis on the COVID-19 dashboard.

The WHO Emergency Use Listing process determines whether a product can be recommended for use based on all the available data on safety and efficacy and on its suitability in low- and middle-income countries. Vaccines are assessed to ensure they meet acceptable standards of quality, safety and efficacy using clinical trial data, manufacturing and quality control processes. The assessment weighs the threat posed by the emergency as well as the benefit that would accrue from the use of the product against any potential risks.

In line with their national regulations and legislation, countries have the autonomy to issue emergency use authorizations for any health product. <p class="im"> Domestic emergency use authorizations are issued at the discretion of countries and not subject to WHO approval.

As of 12 January 2022, the following vaccines have obtained EUL

<footer class="footer">

<div class="container">

<div class="row">

<div class="footer-col">

<h1 class="h1">Containment Zone Alerting</h1>

about us

</div>

<div class="footer-col">

<h1 class="res">Get Help</h1>

OXYGEN

FOOD

</div>

<div class="footer-col">

<h1 class="res">COVID-19</h1>

<p style="color: pink;">The virus can spread from an infected person's mouth or nose in small liquid particles when they cough, sneeze, speak, sing or breathe. These particles range from larger respiratory droplets to smaller aerosols.

You can be infected by breathing in the virus if you are near someone who has COVID-19, or by touching a contaminated surface and then your eyes, nose or mouth. The virus spreads more easily indoors and in crowded settings.</p>

</div>

<div class="footer-col">

<h1 class="res">COVID-19 RESPONSE</h1>

<p class="rp">Respond and protect: With COVID-19 now reported in almost all Gavi-eligible countries, the Vaccine Alliance is providing immediate

funding to health systems, enabling countries to protect health care workers, perform vital surveillance and training, and purchase diagnostic tests.</p>

```
</div>
</div>
</div>
<br><br>
<h2 class="al">!!!Alerting!!!</h2>

</footer>
</body>
</html>
```

RAPR . HTML

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>RECOVER AFFECTED PERSON REGISTERING FORM</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">

<link rel=stylesheet href="rapr.css">
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-light navbar-laravel">
</nav>
<main class="my-form">
<div class="cotainer">
<div class="row justify-content-center">
<div class="col-md-8">
```

```
<div class="card">
  <div class="card-header"><b>RECOVER AFFECTED PERSON
REGISTERING FORM</b></div>
  <div class="card-body">
```

```
    <div class="form-group row">
      <label for="hospital" class="col-md-4 col-form-label text-md-
right">Hospital Name:</label>
      <div class="col-md-6">
        <input type="text" id="email_address" class="form-control"
name="fathername">
      </div>
    </div>
```

```
    <div class="form-group row">
      <label for="location" class="col-md-4 col-form-label text-md-
right">Location:</label>
      <div class="col-md-6">
        <input type="text" id="email_address" class="form-control"
name="fathername">
      </div>
    </div>
```

```
    <div class="form-group row">
      <label for="full_name" class="col-md-4 col-form-label text-md-
right">Name:</label>
      <div class="col-md-6">
        <input type="text" id="full_name" class="form-control"
name="name">
      </div>
    </div>
```



```
<div class="form-group row">
  <label for="email_address" class="col-md-4 col-form-label text-md-
right">Father Name:</label>
  <div class="col-md-6">
    <input type="text" id="email_address" class="form-control"
name="fathername">
  </div>
</div>
```

```
<div class="form-group row">
  <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Phone Number:</label>
  <div class="col-md-6">
    <input type="text" id="phone_number" class="form-control"
name="phonenumber">
  </div>
</div>
```

```
<div class="form-group row">
  <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Age:</label>
  <div class="col-md-6">
    <input type="text" id="phone_number" class="form-control"
name="age">
  </div>
</div>
```

```
<div class="form-group row">
```

```
<label for="email_address" class="col-md-4 col-form-label text-md-right">Gender:</label>
```

```
<div class="col-md-6">
```

```
<input type="radio" name="gender" value="male"> Male<br>
```

```
<input type="radio" name="gender" value="female"> Female<br>
```

```
</div>
```

```
</div>
```

```
<div class="form-group row">
```

```
<label for="permanent_address" class="col-md-4 col-form-label text-md-right">Permanent Address:</label>
```

```
<div class="col-md-6">
```

```
<input type="text" id="permanent_address" class="form-control" name="permanentaddress">
```

```
</div>
```

```
</div>
```

```
<div class="form-group row">
```

```
<label for="phone_number" class="col-md-4 col-form-label text-md-right">Recover Date:</label>
```

```
<div class="col-md-6">
```

```
<input type="date" id="phone_number" class="form-control" name="fromdate">
```

```
</div>
```

```
</div>
```

```
<div class="form-group row">
```

```
<label for="phone_number" class="col-md-4 col-form-label text-md-right">Symptoms Details:</label>
```

```

        <div class="col-md-6">
            <textarea name="convd" row="10" col="200"></textarea>
        </div>
    </div>

    <div class="col-md-6 offset-md-4">
        <button type="submit" class="btn btn-primary">
            Register
        </button>
    </div>
</div>

</div>
</div>
</div>
</div>

<script src="caseregister.js"></script>
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
</body>
</html>

```

OXYGEN.HTML

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>oxygen required</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-

```

EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"

crossorigin="anonymous">

<link rel="stylesheet"

href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">

<link rel=stylesheet href="oxgyen.css">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-light navbar-laravel">

</nav>

<div class="cotainer">

<div class="row justify-content-center">

<div class="col-md-8">

<div class="card">

<div class="card-header">OXYGEN REGISTERING FORM</div>

<div class="card-body">

<div class="form-group row">

<div class="form-group row">

<label for="hospital" class="col-md-4 col-form-label text-md-right">Hospital Name:</label>

<div class="col-md-6">

<input type="text" class="form-control" name="fathername">

</div>

</div>

<div class="form-group row">

<label for="location" class="col-md-4 col-form-label text-md-right">Location:</label>

<div class="col-md-6">

<input type="text" class="form-control" name="fathername">

```
</div>
</div>
```

```
<label for="full_name" class="col-md-4 col-form-label text-md-
right">Name:</label>
<div class="col-md-6">
  <input type="text" class="form-control" name="name">
</div>
</div>
```

```
<div class="form-group row">
  <label for="email_address" class="col-md-4 col-form-label text-md-
right">Father Name:</label>
  <div class="col-md-6">
    <input type="text" class="form-control" name="fathername">
  </div>
</div>
```

```
<div class="form-group row">
  <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Phone Number:</label>
  <div class="col-md-6">
    <input type="text" class="form-control" name="phonenummer">
  </div>
</div>
```

```
<div class="form-group row">
  <label for="age" class="col-md-4 col-form-label text-md-
right">Age:</label>
```

```
<div class="col-md-6">
  <input type="text" class="form-control" name="age">
</div>
</div>
```

```
<div class="form-group row">
  <label for="email_address" class="col-md-4 col-form-label text-md-
right">Gender:</label>
  <div class="col-md-6">
    <input type="radio" name="gender" value="male"> Male<br>
    <input type="radio" name="gender" value="female"> Female<br>
  </div>
</div>
```

```
<div class="form-group row">
  <label for="permanent_address" class="col-md-4 col-form-label text-
md-right">Permanent Address:</label>
  <div class="col-md-6">
    <input type="text" id="permanent_address" class="form-control"
name="permanentaddress">
  </div>
</div>
```

```
<div class="form-group row">
  <label for="afffdate" class="col-md-4 col-form-label text-md-
right">Affect Date:</label>
  <div class="col-md-6">
    <input type="date" class="form-control" name="fromdate">
  </div>
</div>
```

```

        <div class="form-group row">
            <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Oxygen:</label>
            <div class="col-md-6">
                <input type="number" class="form-control"
name="phonenumber">
            </div>
        </div>

        <div class="col-md-6 offset-md-4">
            <button type="submit" class="btn btn-primary">
                Register
            </button>
        </div>
    </div>

</div>

</div>

</div>

</div>

<script src="caseregister.js"></script>
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
</body>
</html>

```

COVID_REGISTER.HTML

```
<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Covid register page</title>

<link rel="stylesheet" href="covidregister.css">

</head>

<body>



  <div id="container">

    <header>Register new account</header>

    <form method="post">

      <fieldset>

        <br/>

        <input type="text" name="username" id="username" placeholder="Username"
required autofocus>

        <br/><br/>

        <input type="email" name="email" id="email" placeholder="E-mail" required>

        <br/><br/>

        <input type="password" name="password" id="password"
placeholder="Password" required>

        <br/><br/>

        <input type="password" name="confirm-password" id="confirm-password"
placeholder="Confirm Password" required>

        <br/> <br/> <br/>

        <label for="submit"></label>

        <input type="submit" name="submit" id="submit" value="REGISTER">

      </fieldset>

    </form>

  </div>

</body>

</body>
```


</html>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>COVID AFFECTED PERSON REGISTERING FORM</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">

<link rel=stylesheet href="capr.css">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-light navbar-laravel">

</nav>

<div class="cotainer">

<div class="row justify-content-center">

<div class="col-md-8">

<div class="card">

<div class="card-header">COVID AFFECTED PERSON REGISTERING FORM</div>

<div class="card-body">

<div class="form-group row">

<div class="form-group row">

```
        <label for="hospital" class="col-md-4 col-form-label text-md-right">Hospital Name:</label>
```

```
        <div class="col-md-6">
```

```
            <input type="text" id="email_address" class="form-control"
name="fathername">
```

```
        </div>
```

```
    </div>
```

```
    <div class="form-group row">
```

```
        <label for="location" class="col-md-4 col-form-label text-md-right">Location:</label>
```

```
        <div class="col-md-6">
```

```
            <input type="text" id="email_address" class="form-control"
name="fathername">
```

```
        </div>
```

```
    </div>
```

```
        <label for="full_name" class="col-md-4 col-form-label text-md-right">Name:</label>
```

```
        <div class="col-md-6">
```

```
            <input type="text" id="full_name" class="form-control"
name="name">
```

```
        </div>
```

```
    </div>
```

```
    <div class="form-group row">
```

```
        <label for="email_address" class="col-md-4 col-form-label text-md-right">Father Name:</label>
```

```
        <div class="col-md-6">
```

```
            <input type="text" id="email_address" class="form-control"
name="fathername">
```

</div>

</div>

<div class="form-group row">

<label for="phone_number" class="col-md-4 col-form-label text-md-right">Phone Number:</label>

<div class="col-md-6">

<input type="text" id="phone_number" class="form-control" name="phonenummer">

</div>

</div>

<div class="form-group row">

<label for="age" class="col-md-4 col-form-label text-md-right">Age:</label>

<div class="col-md-6">

<input type="text" id="phone_number" class="form-control" name="age">

</div>

</div>

<div class="form-group row">

<label for="email_address" class="col-md-4 col-form-label text-md-right">Gender:</label>

<div class="col-md-6">

<input type="radio" name="gender" value="male"> Male

<input type="radio" name="gender" value="female"> Female

</div>

</div>

```
<div class="form-group row">
  <label for="permanent_address" class="col-md-4 col-form-label text-
md-right">Permanent Address:</label>
  <div class="col-md-6">
    <input type="text" id="permanent_address" class="form-control"
name="permanentaddress">
  </div>
</div>
```

```
<div class="form-group row">
  <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Affect Date:</label>
  <div class="col-md-6">
    <input type="date" id="phone_number" class="form-control"
name="fromdate">
  </div>
</div>
```

```
<div class="form-group row">
  <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Symptoms Details:</label>
  <div class="col-md-6">
    <textarea name="convd" row="10" col="200"></textarea>
  </div>
</div>
```

```
<div class="col-md-6 offset-md-4">
  <button type="submit" class="btn btn-primary">
    Register
  </button>
```

```
        </div>
    </div>

    </div>
</div>
</div>
</div>
```

```
<script src="caseregister.js"></script>
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdn.jsdelivr.net/npm/jquery/3.2.1/jquery.min.js"></script>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Covid register page</title>
<link rel="stylesheet" href="covidregister.css">
</head>
<body>
```

```

    <div id="container">
        <header>Register new account</header>
        <form method="post">
            <fieldset>
                <br/>
```

```

        <input type="text" name="username" id="username" placeholder="Username"
required autofocus>
        <br/><br/>
        <input type="email" name="email" id="email" placeholder="E-mail" required>
        <br/><br/>
        <input type="password" name="password" id="password"
placeholder="Password" required>
        <br/><br/>
        <input type="password" name="confirm-password" id="confirm-password"
placeholder="Confirm Password" required>
        <br/> <br/> <br/>
        <label for="submit"></label>
        <input type="submit" name="submit" id="submit" value="REGISTER">
    </fieldset>
</form>
</div>
</body>
</body>
</html>

```

ALERTING.HTML

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Containment Zone Alerting</title>
</head>
<body>

```

```

<h1 style="text-align:center;">Containment Zone Alerting</h1>

```

```

<p style="font-size:30px;">The lockdown, implemented in five phases, worked at the
national level, while the classification of red, orange and green districts operated at the state

```

and inter-district levels. Demarcation of containment zones is done within a town, village, or municipal or panchayat area.

Neighbourhoods, colonies, or housing societies where infected people **live** are sealed, and access is restricted. Containment zones are where the restrictions on movement and interaction are the most severe. In many cities, the entire demarcated area is barricaded and the entry and exit points closed. Only the very basic supplies and services are allowed inside.

Who defines the containment zones?

It is the district, town or panchayat authorities that decide which areas have to be marked as containment zones, how large they would be, and what kind of restrictions would apply. The rules for the national lockdown, for example, were set by the central government, while the state governments decided what restrictions to impose on districts.

The district administration, municipal corporation or panchayat bodies **exercise** a great deal of discretion in demarcation of containment zones. The definition and time period vary, and are continuously reviewed and updated.

AFFECTED STATES

TAMIL NADU:After five months the number of daily COVID-19 cases fell below 100 in Tamil Nadu on Wednesday. A total of 96 people tested positive for the infection in the State.

It was in early June this year that the State had last reported fewer than 100 cases of COVID-19.

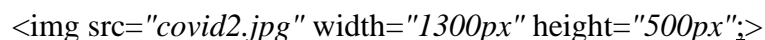
Of the 38 districts 14 had no fresh case of COVID-19. A total of 24 people tested positive for the infection in Chennai. The fresh cases took the States tally to 35,93,119. As many as 142

people were discharged after treatment on Wednesday. Currently 862 people are undergoing treatment for COVID-19 in the State of whom 205 are in Chennai.

MUMBAI: One of the first areas designated was entire Worli Koliwada. But as cases rose the size of containment zones had to be reduced. Now either buildings or floors are declared containment zones. Mumbai now has two categories containment zones and sealed buildings. As of now there are 755 containment zones and 6174 sealed buildings.

KERALA: If people in home quarantine test positive, or if someone without a known source of infection tests positive, their residential locality and place of work are declared containment zones. In a town, this area could extend to a street or a colony. In a village, this generally extends up to a ward that usually has a few hundred houses. The status of the containment zone is reviewed after a week.

PREVENTION FOR COVID-19



F.html

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>FOOD required</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">

<link rel=stylesheet href="food.css">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-light navbar-laravel">

</nav>


```

<div class="cotainer">
  <div class="row justify-content-center">
    <div class="col-md-8">
      <div class="card">
        <div class="card-header"><b>FOOD REGISTERING FORM</b></div>
        <div class="card-body">

          <div class="form-group row">

            <div class="form-group row">
              <label for="hospital" class="col-md-4 col-form-label text-md-
right">Hospital Name:</label>
              <div class="col-md-6">
                <input type="text" class="form-control" name="fathername">
              </div>
            </div>

            <div class="form-group row">
              <label for="location" class="col-md-4 col-form-label text-md-
right">Location:</label>
              <div class="col-md-6">
                <input type="text" class="form-control" name="fathername">
              </div>
            </div>

            <label for="full_name" class="col-md-4 col-form-label text-md-
right">Name:</label>
            <div class="col-md-6">
              <input type="text" class="form-control" name="name">
            </div>
          </div>

          <div class="form-group row">
            <label for="email_address" class="col-md-4 col-form-label text-md-
right">Father Name:</label>
            <div class="col-md-6">
              <input type="text" class="form-control" name="fathername">
            </div>
          </div>

          <div class="form-group row">
            <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Phone Number:</label>

```

```

        <div class="col-md-6">
            <input type="text" class="form-control" name="phonenumber">
        </div>
    </div>

    <div class="form-group row">
        <label for="age" class="col-md-4 col-form-label text-md-
right">Age:</label>
        <div class="col-md-6">
            <input type="text" class="form-control" name="age">
        </div>
    </div>

    <div class="form-group row">
        <label for="email_address" class="col-md-4 col-form-label text-md-
right">Gender:</label>
        <div class="col-md-6">
            <input type="radio" name="gender" value="male"> Male<br>
            <input type="radio" name="gender" value="female"> Female<br>
        </div>
    </div>

    <div class="form-group row">
        <label for="phone_number" class="col-md-4 col-form-label text-md-
right">Food:</label>
        <div class="col-md-6">
            <input type="number" class="form-control"
name="phonenumber">
        </div>
    </div>

    <div class="col-md-6 offset-md-4">
        <button type="submit" class="btn btn-primary">
            Register
        </button>
    </div>
</div>
</div>
</div>
</div>

```

```
<script src="caseregister.js"></script>
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
</body>
</html>
```

DEMO LINK: <http://sde/covidindex.html>

GITHUB LINK: <https://github.com/IBM-EPBL/IBM-Project-14867-1659591321>