FINAL REPORT

CONTAINMENT ZONE ALERTING APPLICATION

TEAM ID : PNT2022TMID12464

KARPAGAM COLLEGE OF ENGINEERING

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BASE PAPER 1:

TRACKING THE COVID ZONES THROUGH GEO-FENCING TECHNIQUE

- Anto Arockia Rosaline R. Department of Information Technology, Rajalakshmi Engineering College, Chennai, India
- Lalitha R. Department of Computer Science and Engineering, Rajalakshmi Institute of Technology, Chennai, India
- Hariharan G. Department of Information Technology, Rajalakshmi Engineering College, Chennai, India,
- Lokesh N. Rax-Tech International, Chennai, India.

ABSTRACT:

- Because of the outbreak of Covid 19, the entire world is thinking of new strategies, preventive measures to safeguard the human life from the widespread of the pandemic.
- The areas where people are affected are marked as containment zones and people are not allowed to exit out of those areas.
- Similarly, new people are not allowed to enter inside those areas. Hence, the purpose of this paper is to propose a methodology to track the Covid zones, to enhance and tighten the security measures.
- A geo-fence is created for the containment zone.
- The person who enters or exits out of that particular zone will be monitored and alert message will be sent to that person's mobile.
- After tracking the location of a suspicious individual, the geo-fenced layer is mapped in the area and then the virtual perimeter is used for further trapping process.
- This geofenced layer can be viewed by the citizens as soon as it is updated by the Covid monitoring team.
- The geofencing is a concept of building a virtual perimeter area.
- This virtual perimeter monitoring system helps in monitoring the containment zones effectively.

- It reduces operational costs by using an automated system based on wireless infrastructure. It also alerts the authorities immediately to catch the violators.
- Thus, it helps to speed up the process of inspecting the containment zones and monitoring the individuals who violate the rules given by government.

BASEPAPER 2:

A CASE STUDY FOR ASSURED CONTAINMENT

- Kelly J. Hayhurst
- Jeffrey M. Maddalon
- Natasha A. Neogi NASA Langley Research Center NASA Hampton, Virginia USA

ABSTRACT:

- While incremental steps are being taken to integrate unmanned aircraft systems (UAS) into the various national airspace systems, much work remains to establish appropriate regulatory infrastructure that allows UAS larger than 55 lb to operate for commerce.
- The magnitude of that effort is compounded by the wide-ranging variety of UAS types and possible applications, as well as the diversity in quality and provenance of UAS components.
- The FAA has suggested developing design standards tailored to specific applications and operating environments as an approach to facilitate integration and safe operation of some UAS.
- This paper introduces a case study to investigate design standards for a midsize unmanned rotorcraft operating in a rural environment. A key aspect of this study is the concept of using a certifiable containment system, different from a conventional

geofencing application, to ensure that the unmanned aircraft does not escape its intended operational area.

- The proposed assured containment system is expected to reduce the effort needed to regulate some UAS that could not currently meet rigorous aircraft design standards and fall outside of the parameters for operation outlined in the proposed small UAS rule.
- This paper discusses how assured containment may be a useful approach to limiting risk and reducing an otherwise prohibitive certification burden to enable UAS operations in confined areas.
- The case study examines the potential effect the assured containment approach might.

BASEPAPER 3:

A SURVEY OF COVID-19 CONTACT TRACING APP

- Cyber Security Cooperative Research Centre (CSCRC), Perth, WA 6027, Australia
- School of Computer Science and Engineering (CSE), University of New South Wales (UNSW), Sydney, NSW 2052, Australia
- CSIRO Data61, Marsfield, Sydney, NSW 2122, Australia
- School of Electrical Engineering and Telecommunications (EE&T), University of New South Wales (UNSW), Sydney, NSW 2052, Australia
- ECU Security Research Institute (ECUSRI), Edith Cowan University, Perth, WA 6027, Australia

ABSTRACT:

- The recent outbreak of COVID-19 has taken the world by surprise, forcing lockdowns and straining public health care systems.

-
- COVID-19 is known to be a highly infectious virus, and infected individuals do not initially exhibit symptoms, while some remain asymptomatic.
- Thus, a non-negligible fraction of the population can, at any given time, be a hidden source of transmissions.
- In response, many governments have shown great interest in smartphone contact tracing apps that help automate the difficult task of tracing all recent contacts of newly identified infected individuals.
- However, tracing apps have generated much discussion around their key attributes, including system architecture, data management, privacy, security, proximity estimation, and attack vulnerability.
- In this article, we provide the first comprehensive review of these much-discussed tracing app attributes.
- We also present an overview of many proposed tracing app examples, some of which have been deployed countrywide, and discuss the concerns users have reported regarding their usage.
- We close by outlining potential research directions for next-generation app design, which would facilitate improved tracing and security performance, as well as wide adoption by the population at large.

BASEPAPER 4:

DEVELOPMENT OF AN ANDROID APPLICATION FOR VIEWING COVID-19 CONTAINMENT ZONES AND MONITORING VIOLATORS WHO ARE TRESPASSING INTO IT USING FIREBASE AND GEOFENCING

- Ranajoy Mallik (◊ wranajoy@gmail.com)Jadavpur University https://orcid.org/0000-0002-9043-6312
- Amlan Protim Hazarika Jadavpur University
- Sudarshana Ghosh Jadavpur University
- Dilip Sing Jadavpur University
- Rajib Bandyopadhyay Jadavpur University

ABSTRACT:

- The World Health Organization has declared the outbreak of the novel coronavirus, COVID-19 as pandemic across the world.
- With its alarming surge of affected cases throughout the world, lockdown and awareness (social distancing, use of masks etc) among people are found to be the only means for restricting the community transmission.
- In a densely populated country like India, it is very difficult to prevent the community transmission even during lockdown without social awareness and precautionary measures taken by the people. Recently, several containment zones had been identified throughout the country and divided into red, orange and green zones, respectively.
- The red zones indicate the infection hotspots, orange zones denote some infection and green zones indicate an area with no infection.
- This paper mainly focuses on development of an Android application which can inform people of the COVID-19 containment zones and prevent trespassing into these zones.
- This Android application updates the locations of the areas in a Google map which are identified to be the containment zones.

- The application also notifies the users if they have entered a containment zone and uploads the user's IMEI number to the online database. With this IMEI number, the police can keep an eye on the people who are frequently violating the lockdown rules.
- To achieve all these functionalities, many tools and APIs from Google like Firebase and Geofence are used in this app.
- Therefore, this application can be used as a tool for creating further social awareness about the arising need of precautionary measures to be taken by the people.

BASEPAPER 5:

TECHNOLOGICAL AND ANALYTICAL REVIEW OF CONTACT TRACING APPS FOR COVID-19 MANAGEMENT

- Rajan Gupta, Gaurav Pandey, Poonam Chaudhary & Saibal K Pal

ABSTRACT:

- Role of technology is improving for COVID-19 management all around the world.
- Usage of mobile applications, web applications, cloud computing, and related technologies have helped many public administrators worldwide manage the current pandemic.
- Contact tracing applications are such mobile app solutions that are used by more than 100 countries today.
- This study presents a structured research reviewbased framework related to multiple contact tracing applications.

- The various components of the framework are related to technological working, design architecture, and feature analysis of the applications, along with the analysis of the acceptance of such applications worldwide.
- Also, components focusing on the security features and analysis of these applications based on Data Privacy, Security Vetting, and different attacks have been included in the research framework.
- Many applications are yet to explore the analytical capabilities of the data generated through contact tracing.
- The various use-cases identified for these applications are detecting positive case probability, identifying a containment zone in the country, finding regional hotspots, monitoring public events & gatherings, identifying sensitive routes, and allocating resources in various regions during the pandemic.
- This study will act as a guide for the users researching contact tracings applications using the proposed four-layered framework for their app assessment

BASEPAPER 6:

APPLICATION FOR COVID-19 REAL TIME COUNTER

- Omkar Dhok, Yash Dasouni, Harsh Dubey, Prasanna
- International Journal of Research in Engineering and Science (IJRES)

ABSTRACT:

- The World Health Organization has declared the outbreak of the novel coronavirus, Covid-19 as pandemic across the world.
- With its alarming surge of affected cases throughout the world, lockdown, and awareness (social distancing, use of masks etc.)

among people are found to be the only means for restricting the community transmission.

- In a densely populated country like India, it is very difficult to prevent the community transmission even during lockdown without social awareness and precautionary measures taken by the people.
- Recently, several containment zones had been identified throughout the country and divided into red, orange and green zones, respectively.
- The red zones indicate the infection hotspots, orange zones denote some infection and green zones indicate an area with no infection.
- This paper mainly focuses on development of an Android application which can inform people of the Covid-19 containment zones and prevent trespassing into these zones.
- This Android application updates the locations of the areas in a Google map which are identified to be the containment zones.
- The application also notifies the users if they have entered a containment zone and uploads the user's IMEI number to the online database.
- To achieve all these functionalities, many tools, and APIs from Google like Firebase and Geofencing API are used in this application.
- Therefore, this application can be used as a tool for creating further social awareness about the arising need of precautionary measures to be taken by the people of India.

BASEPAPER 7:

GEOFENCING REQUIREMENTS FOR ONBOARD SAFE OPERATION MONITORING

- Christoph Torens1 ·
- Florian Nikodem1 ·
- Johann C. Dauer1 ·
- Sebastian Schirmer1 ·
- Jörg S. Dittrich1

ABSTRACT:

- The new concept for operation of drones, published by EASA in 2015, enables new ways to infuence and possibly reduce the necessary safety targets of certain system components without reducing the overall safety of the unmanned aircraft system (UAS).
- Based on the safety assessment, the specifc category enables new aircraft system architectures and mission designs.
- In this context, this paper analyzes runtime monitoring as a strategy to contain the UAS in its operational volume.
- To assure predefned properties in fight and thus assure the safety of the operation in progress with a high robustness, a formal methodology for safe operation monitoring is utilized.
- With this approach, this work targets to link the concept of safe operation monitoring with the upcoming regulations regarding the specifc category and the specifc operation risk assessment.
- monitoring is geofencing, the capability to contain a UAS in a previously restricted area. In the regulatory framework of a specifc operation, risk assessment is required and so is the containment of the UAS in its operational volume.
- The functional and safety requirements for geofencing regarding their impact on the underlying specifc operation risk assessment are discussed.

- To facilitate this discussion, a taxonomy of geofencing characteristics is derived based on a literature survey.
- Consequently, the geofencing requirements are assessed regarding their robustness and applicability for certifcation purposes.
- As a result, by monitoring the integrity of the system at runtime using geofencing as an example, it is investigated if the requirements and thus costs of development and certifcation process for the remaining components can be reduced.

BASEPAPER 8:

COVID-19 HOME QUARANTINE ENFORCEMENT

- Jiajie Tan,
- Edmund Sumpena,
- Weipeng Zhuo,
- Ziqi Zhao,
- Mengyun Liu, and
- S.-H. Gary Chan

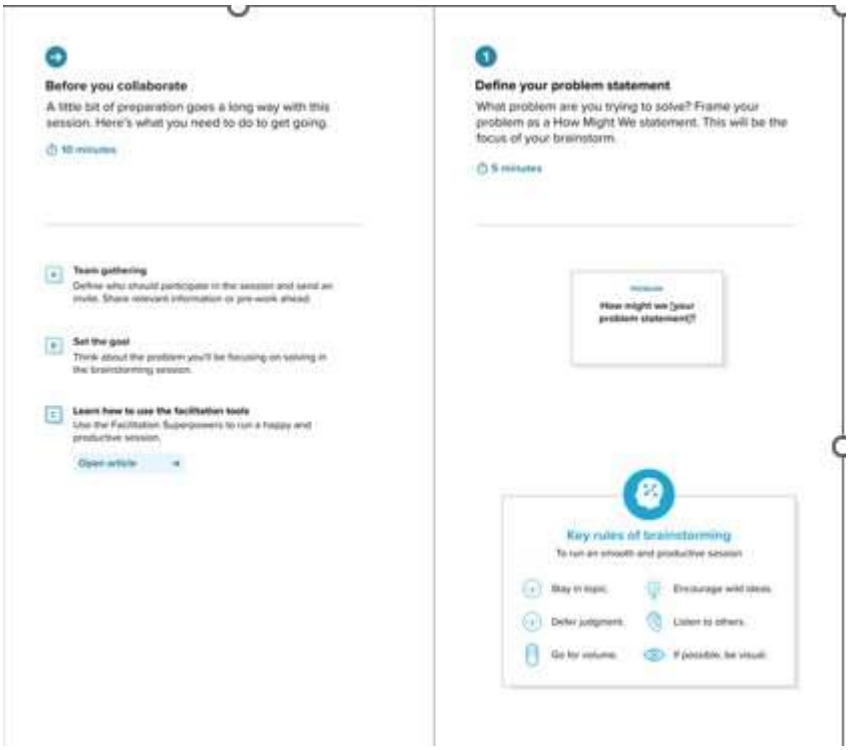
ABSTRACT:

- Containment is the first-priority measure in infection control to curb the spread of highly infectious diseases such as COVID-19.
- Home quarantine is one such measure to keep people at their accommodations for the incubation period (typically 14 days).
- Compared to dedicated monitoring centers, home quarantine is a more cost-effective and comfortable approach to isolate a large number of low-risk people.

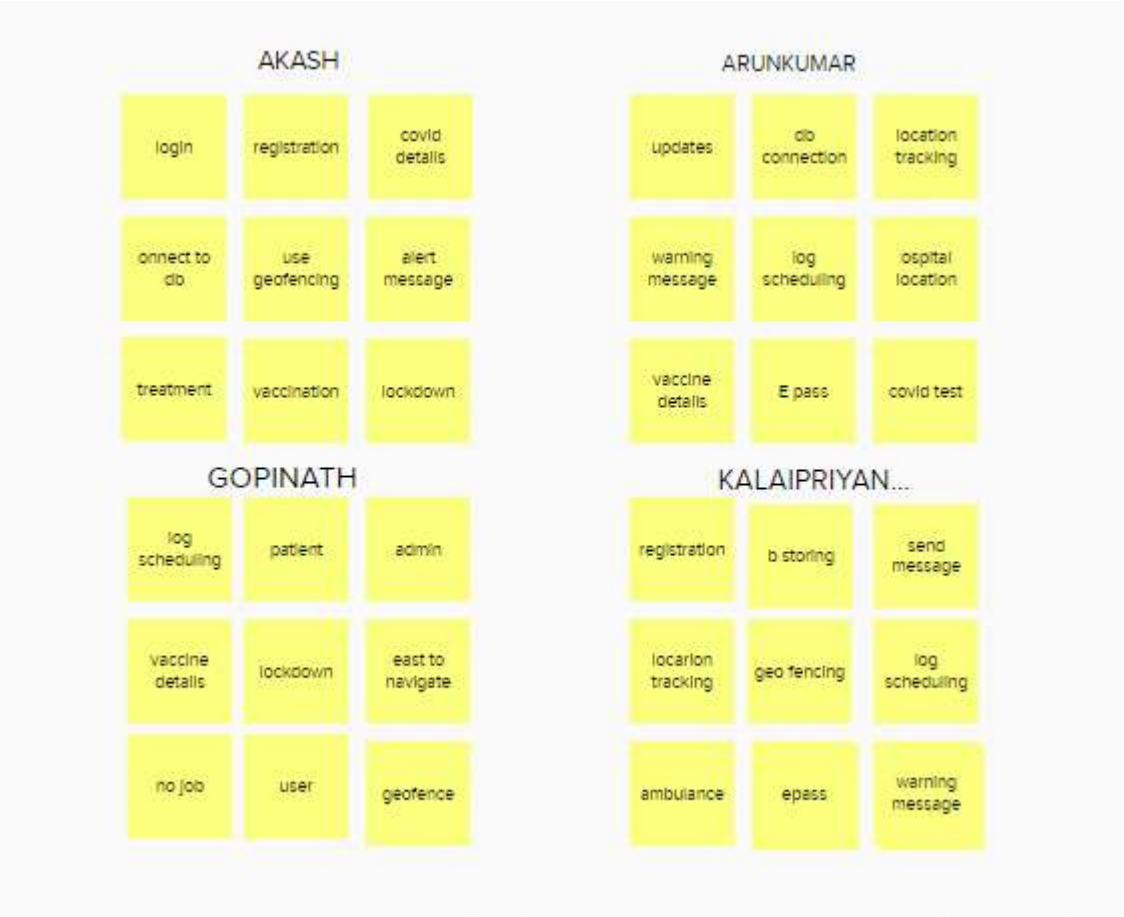
- However, efficient monitoring of confinees inside their accommodations is a challenging problem because the quarantined locations are scattered throughout the city.
- We propose and study SignatureHome, an automated IoT-based geofencing algorithm to cost-effectively monitor confinees.
- The core principles of SignatureHome was adopted by the Hong Kong government and implemented as an app to enforce home quarantine order in March 2020 for hundreds of thousands of entrants from other regions.
- The system employs waterproof Bluetooth Low Energy wristbands that are uniquely paired with the confinees' smartphones. SignatureHome uses the identifiers of the environmental network facilities (Wi-Fi access points and cellular networks) as the home signature.
- By comparing the current observed signals of the phone with the home signature, the algorithm can efficiently determine whether the user is within the geofenced area. SignatureHome is computationally efficient, responsive, privacy-preserving, cost-effective, and adaptive to home diversity and changing environments.
- Our experimental results validate its design and high accuracy in terms of precision, recall, F-measure, and false alarm rate.

Ideation Phase
Brainstorm & Idea Prioritization

Step-1: Team Gathering, Collaboration and Select the Problem Statement



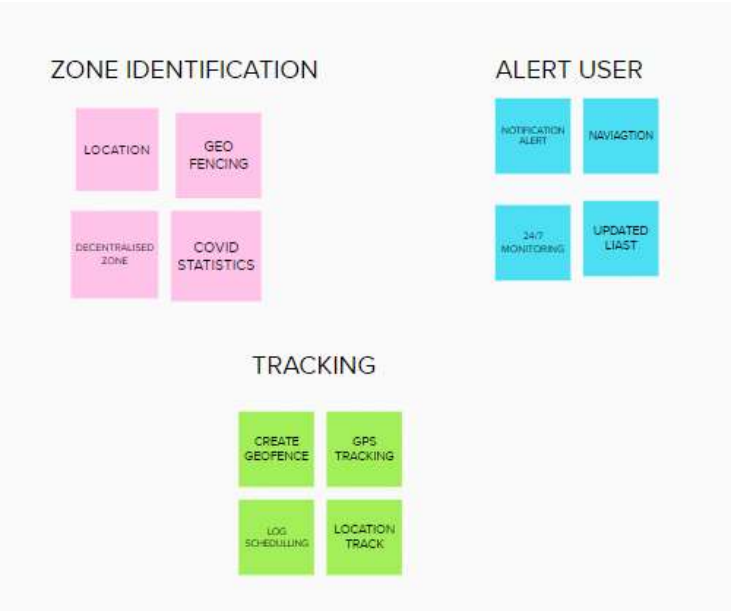
Step-2: Brainstorm, Idea Listing and Grouping



STEP 3: GROUP IDEAS

Group ideas

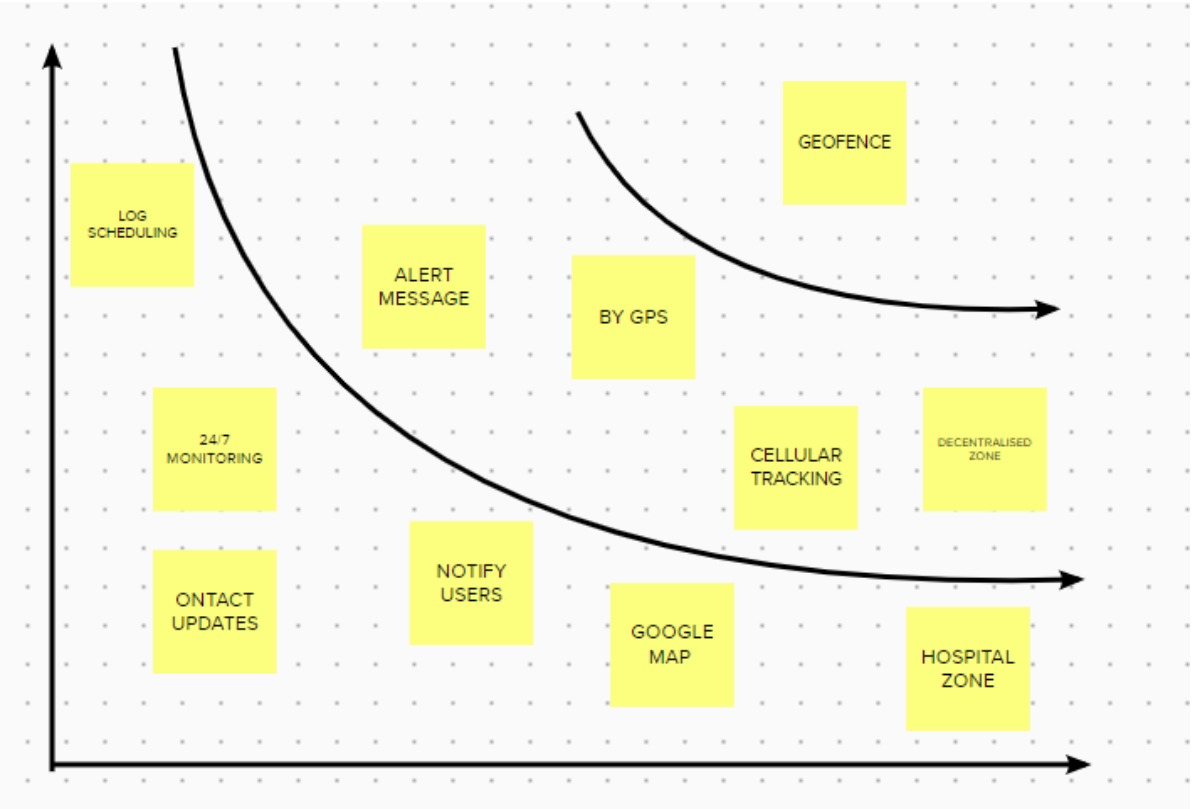
Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.



Step-4: Idea Prioritization

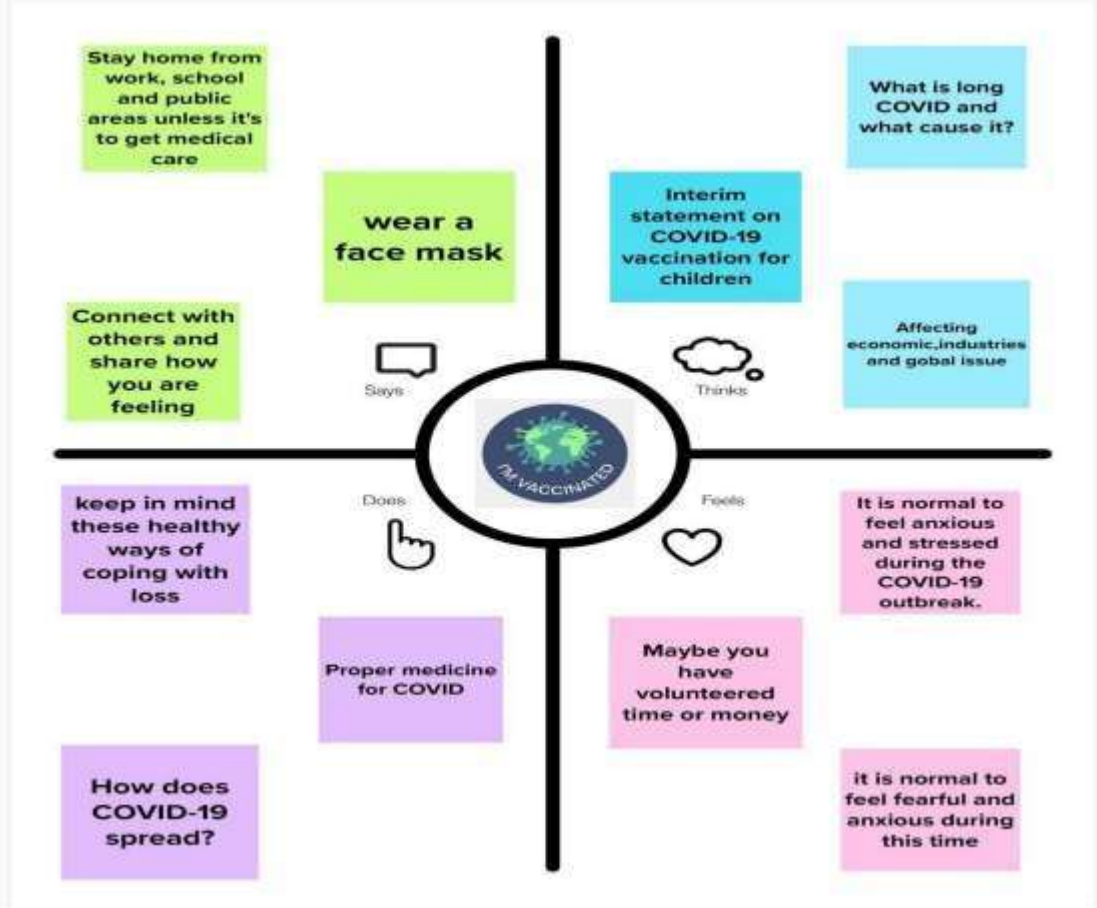
Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.



EMPATHY MAP:

TEAM ID:PNT2022TMID12464



PROJECT DESIGN PHASE - I

PROPOSED SOLUTION

Date	04/11/ 2022
Team ID	PNT2022TMID12464
Project Name	Containment Zone Alerting Application
Maximum Marks	2 Marks

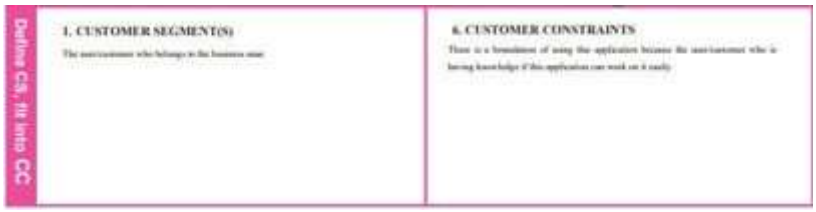
Project team shall fill the following information:

•	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

PROJECT DESIGN PHASE - I

PROBLEM SOLUTION FIT

Date	04/11/2022
Team ID	PNT2022TMID12464
Project Name	**CONTAINMENT ZONE ALERTING APPLICATION**
Maximum Marks	2 Marks



PROJECT DESIGN PHASE - I

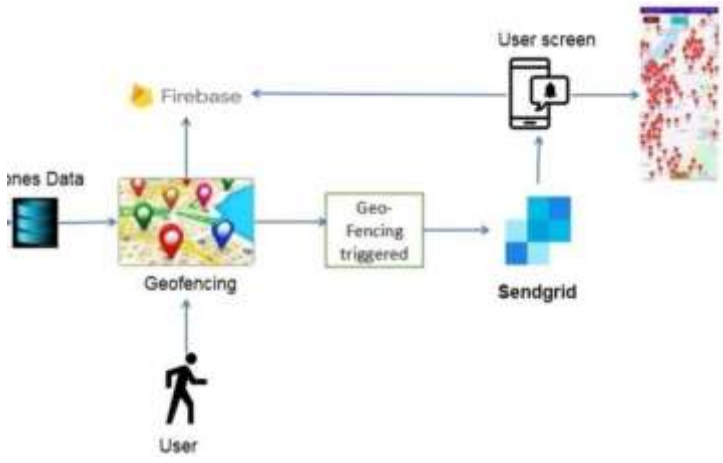
SOLUTION ARCHITECTURE

Date	04/11/2022
Team ID	PNT2022TMID12464
Project Name	Containment Zone Alerting Application
Maximum Marks	4 Marks

SOLUTION ARCHITECTURE:

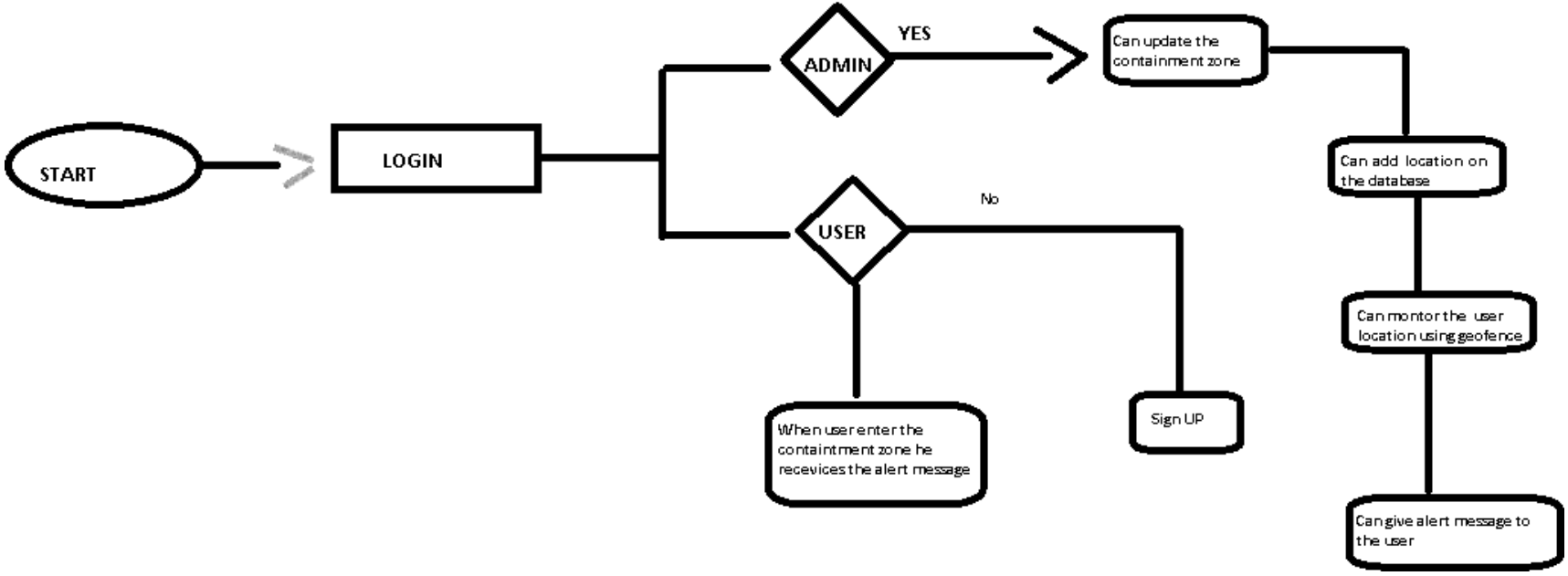
- Solution architecture is a complex process with many sub processes that bridges the gap betweenbusiness problems and technology solutions.
- To find the best tech solution to solve existing business problems.
- Describe the structure ,characteristics ,behavior ,and other aspects of the software to projects takeholders.

Example for Solution Architecture:



STAGE	ONSIDERATION	AWARENESS	PURCHASE	ONBOARDING
USER	VIEW ONLINE AD	WEBSITE PHONES	PURCHASE	SERVICE
EMOTIONS	HAPPY	SAD	WORRIED	ANGERED
POINTS	MONTH	YEAR	DECREASE	INCREASE
SOLUTIONS	SERVICE	DEVELOPMENT	OMMUNICATIONS	SATISFICATION

DATA FLOW DIAGRAM



Project Design Phase-II
Functional Requirements (Functional & Non-Functional)

Date	3 November 2022
Team ID	PNT2022TMID12464
Project Name	Containment Zone Alerting Application
Maximum Marks	4 Marks

Functional Requirements:

The following are the functional requirements of the proposed solution.

FR.No.	Functional Requirements	Sub Requirements
F-1	**User Registration**	Registration through user mobile number.
F-2	**User Confirmation**	Confirmation via number Confirmation via OTP
F-3	**Hospital registration**	Registration through form using Hospital ID
F-4	**Hospital Entry**	Collecting case data and storing it in the Database Doctors for medical consultation.
F-5	**Permissions**	Location, Storage, Contacts
F-6	**Subscription**	Taking special care of subscription members and monitoring their day-to-day activity.
F-7	**Chat Bot**	Minimal medical Suggestions Product sales

Non-functional Requirements:

The following are the non-functional requirements of the proposed solution.

F.No.	Non-Functional Requirements	Description
NF-1	Usability	People can use this app to track the contaminated zone and take precautions before they are affected while travelling
NF-2	Security	Using "Geofencing technology for location anddata encryption" to protect data.
NF-3	Reliability	valid medical suggestions andproperguidance is given in the application.
NF-4	Performance	The geo-fencing algorithm is updated daily and shows the day-to-day updates of the contaminated zones using log scheduling.
NF-5	Availability	Medicinal Recommendations, Test kits, Doctor suggestions in the Contaminated zones are available in applications.
NF-6	Scalability	Users are provided with medical services online and giving awareness to people by giving therapeutic medicines Also monitoring the movements in pandemic zones and alerts before they are affected.

TECHNOLOGY ARCHITECTURE

Team ID	PNT2022TMID12464
Project Name	CONTAINMENT ZONE ALERTING APPLICATION

TECHNICAL ARCHITECTURE:

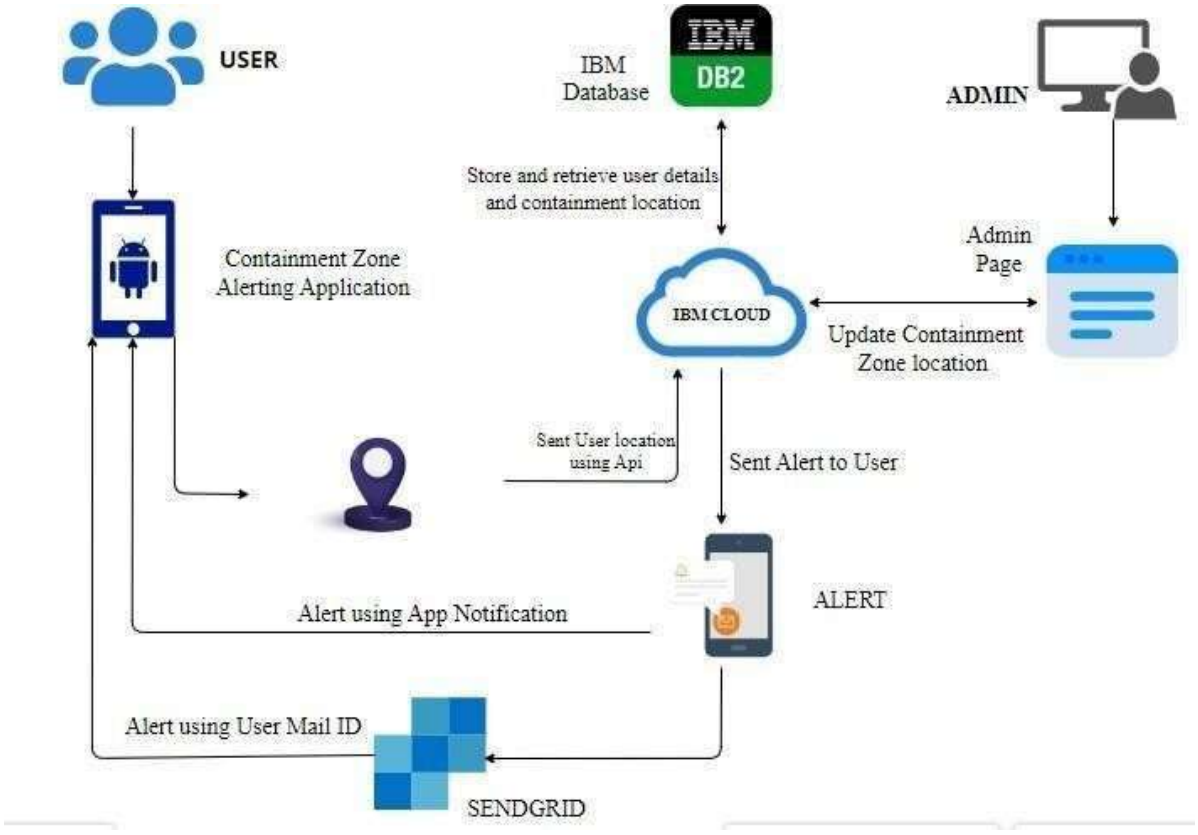


Table-1: Components & Technologies:

S. No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, Java, XML, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Java / Python-Flask
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Cloud Object Storage

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Android Application	The android application is made using Android Studio.	JAVA and XML
3.	Cloud	Cloud is used for managing the components of the application	IBM Cloud and SQL
4.	Cloud Database	Cloud database is a database built to run in a public or hybrid cloud environment to help organize, store, and manage data within an organization.	IBM DB2 and IBM Cloud Object Storage
5.	Container	Containers are packages of software that contain all of the necessary elements to run in any environment.	IBM Container Registry
6.	Website (Admin)	The admin website is used to manage all the things related to the software.	HTML, CSS, Bootstrap, JavaScript
8.	Availability	The application will be running on cloud and it is available 24x7.	IBM Cloud
9.	Performance	The performance of the application will be fast and responsive.	Cloud based application

Project Planning Phase
Milestone and Activity List

Date	4/11/2022
Team ID	PNT2022TMID12464
Project Name	**CONTAINMENT ZONE ALERTING APPLICATION**

TITLE	DESCRIPTION	DATE
Literature SURVEY	Literature survey on the selected project by gathering information.	24 OCTOBER 2022
Empathy Map	Prepare Empathy Map Canvas to capture the user	24 OCTOBER 2022
Ideation	List the by organizing the brainstorming session To prioritize the top 3 ideas based on the feasibility & importance.	24 OCTOBER 2022
Proposed Solution	Prepare the proposed solutiondocument.	28 OCTOBER 2022
Problem Solution Fit	Prepare problem - solution fit.	30 OCTOBER2022
Solution Architecture	Prepare solution architecture.	30 OCTOBER 2022

Customer Journey	Prepare the customer journey maps to understand the user interactions & experiences.	30 OCTOBER 2022
Functional Requirements	Prepare the functional requirements document.	30 OCTOBER 2022
Data Flow Diagrams	Draw the data flow diagrams. submit for review.	30 OCTOBER 2022
Technology Architecture	Prepare the technology architecture diagram for the project..	30 OCTOBER 2022
Prepare Milestone & activityList	Prepare the milestones & activitylist of the project.	4 NOVEMBER 2022
Project Delivery of Sprint-1, 2, 3 & 4	Develop and submit the developed code by testing it.	4 NOVEMBER 2022

Project Planning Phase

SPRINT DELIVERY PLAN

Date	4/11/ 2022
Team ID	PNT2022TMID12464
Project Name	CONTAINMENT ZONE ALERTING APPLICATION
Maximum Marks	8 Marks

PRODUCT BACKLOG, SPRINT SCHEDULE, AND ESTIMATION (4 MARKS)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	UN-1	User: I can register by entering my email, password and verifying password.	3	High	AKASH P
		UN-2	User: I will receive a confirmation email once that I have registered for the application.	2	High	ARUNKUMAR D
		UN-3	User: I can register for the application through Gmail.	5	Medium	GOPINATH U
		UN-4	Management: I need to register my hospitals on the site.	2	High	KALAIPRIYAN C
	Login	UN-5	User: I can log into the application by entering my email & password	3	High	AKASH P
		UN-6	Management: I need to login into my dashboard with my given hospital id	5	Medium	ARUNKUMAR D
	Dashboard	UN-7	User: I need to give permission to access my Contacts, Location, and Storage	5	High	GOPINATH U

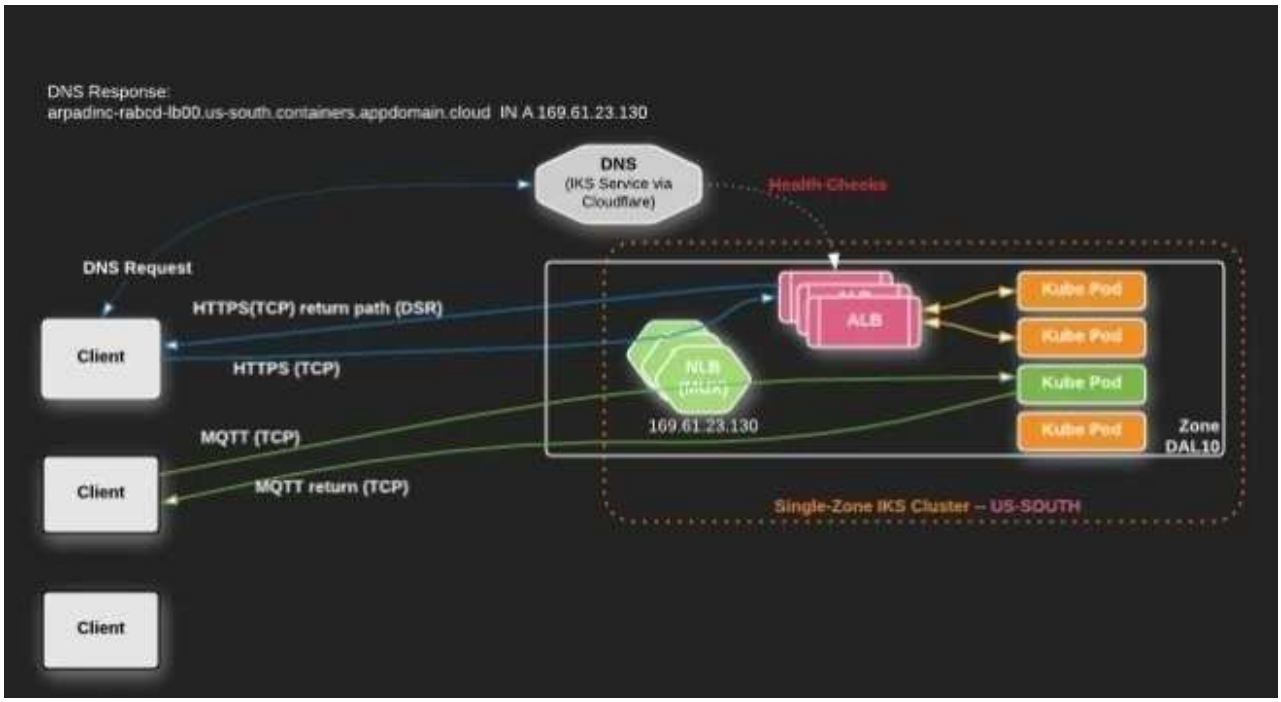
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		UN-8	User: I get access to the dashboard which shows a map with containment zones	5	High	KALAIPRIYAN C
		UN-9	Management: I need to enter the case information of the patient that visits our hospital.	5	High	AKASH P
	Services	UN-10	Admin: I need to provide valid information about the pandemic out there.	5	High	ARUNKUMAR D
Sprint-3	Dashboard	UN-11	Management: I need to store all the patient information on the cloud.	5	High	GOPINATH U
	Services	UN-12	Admin: I need to provide medical advice through a chatbot.	5	Medium	KALAIPRIYAN C
		UN-13	Admin: I need to provide medical recommendations by collaborating with top hospitals.	5	Low	AKASH P
		UN-14	Admin: I need to provide preventive measures when they travel through it.	5	High	ARUNKUMAR D
Sprint-4	Registration	UN-15	User: I can register for the application through Facebook.	2	Low	GOPINATH U
		UN-16	User: I can register for the application through Twitter.	2	Low	KALAIPRIYAN C
	Services	UN-17	Admin: I need to alert the user when they enter pandemic zones.	3	Medium	AKASH P
		UN-18	Admin: I need to provide special services for premium users by giving services like monitoring health by theirsmart bands.	3	Low	ARUNKUMAR D
	Data Collection	UN-19	Admin: I need to store all the user sinformation on the cloud	5	Medium	GOPINATH U

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		UN-20	Admin: I need to collect the recent list of affected persons.	5	Low	KALAIPRIYAN C

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	6 Days	24 Oct 2022	30 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	30Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

DEPLOY IN KUBERNETES CLUSTER

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Pod Information:
        node name:      10.94.21.13
        pod name:       echoserver-deployment-859b75d8c4-w75jn
        pod namespace:  default
        pod IP: 172.30.45.7

Server values:
        server_version=nginx: 1.13.3 - lua: 10008

Request Information:
        client_address=172.30.45.5
        method=GET
        real path=/
        query=
        request_version=1.1
        request_scheme=http
        request_uri=http://echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud:8080/

Request Headers:
        accept=*/*
        host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        user-agent=curl/7.54.0
        x-forwarded-for=195.21[redacted]
        x-forwarded-host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        x-forwarded-port=443
        x-forwarded-proto=https
        x-global-k8fdic-transaction-id=fc9b6d1faac1b7b63bf96abf02396378
        x-real-ip=195.21[redacted]

Request Body:
        -no body in request-
```

```
$ curl http://169.61.18.4:1884


Hostname: echoserver-deployment-859b75d8c4-r6s62

Pod Information:
        node name:      10.73.115.27
        pod name:       echoserver-deployment-859b75d8c4-r6s62
        pod namespace:  default
        pod IP: 172.30.154.209

Server values:
        server_version=nginx: 1.13.3 - lua: 10008

Request Information:
        client_address=195.21[redacted]
        method=GET
        real path=/
        query=
        request_version=1.1
        request_scheme=http
        request_uri=http://169.61.18.4:8080/

Request Headers:
        accept=*/*
        host=169.61.18.4:1884
        user-agent=curl/7.54.0

Request Body:
        -no body in request-
```

```
$ curl https://echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud


Hostname: echoserver-deployment-859b75d8c4-d6fdx

Pod Information:
        node name:      10.73.115.19
        pod name:       echoserver-deployment-859b75d8c4-d6fdx
        pod namespace:  default
        pod IP: 172.30.116.132

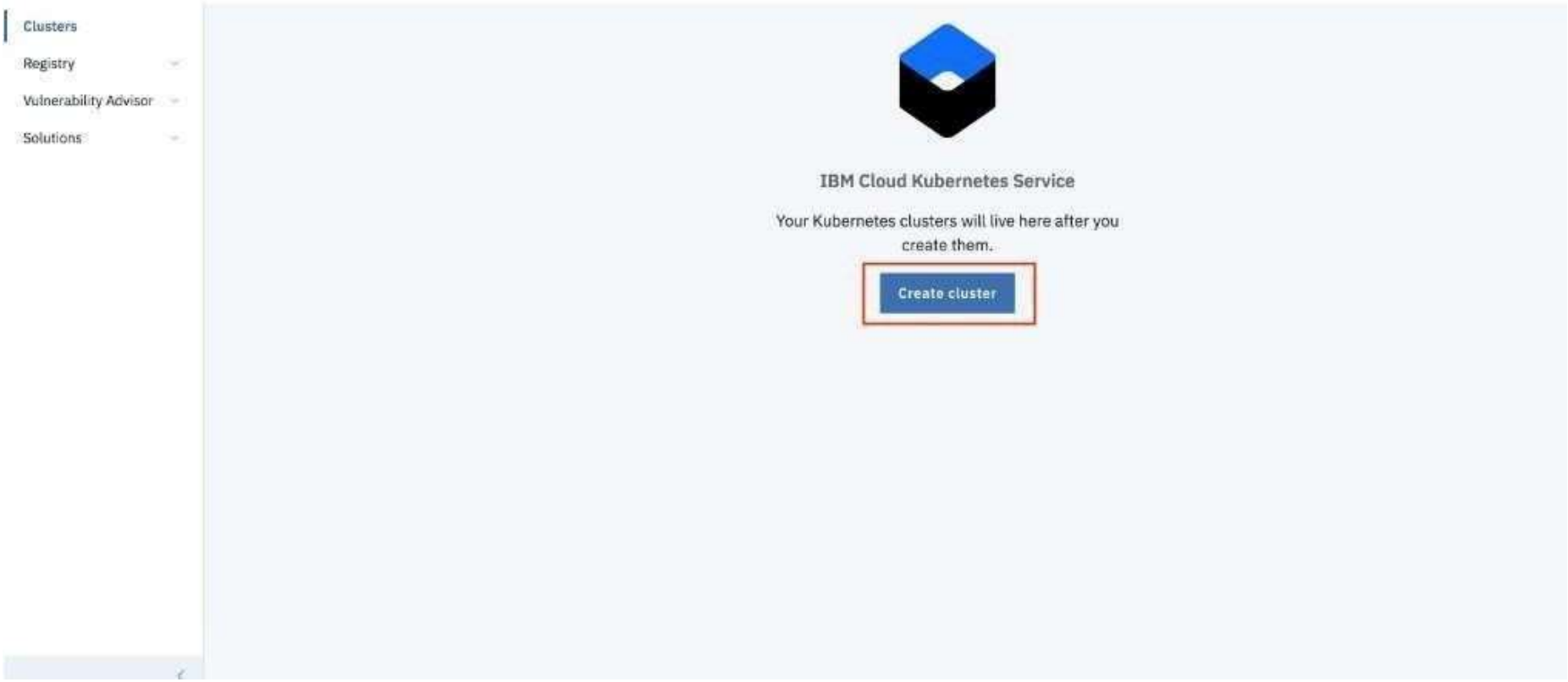
Server values:
        server_version=nginx: 1.13.3 - lua: 10008

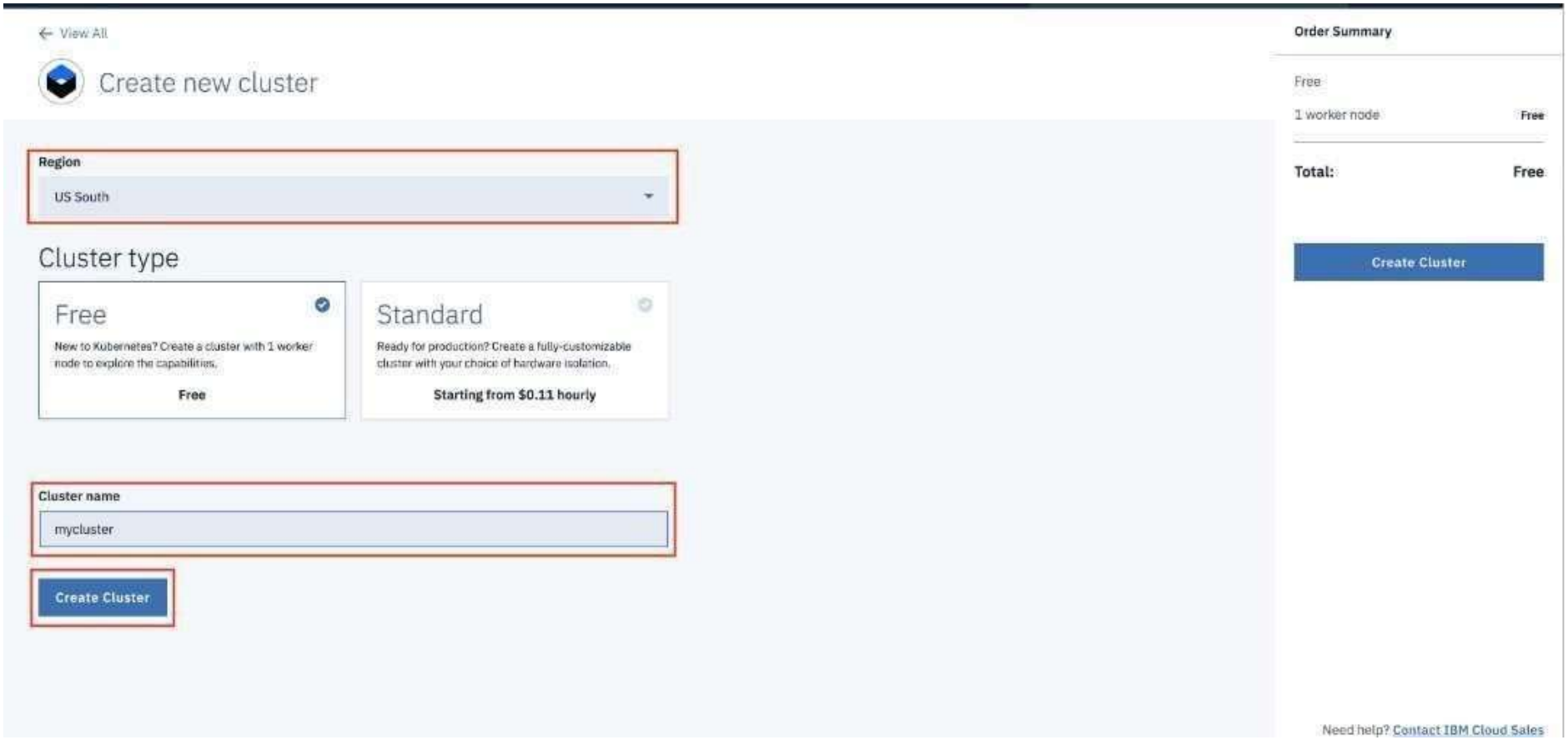
Request Information:
        client_address=172.30.119.129
        method=GET
        real path=/
        query=
        request_version=1.1
        request_scheme=http
        request_uri=http://echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud:8080/

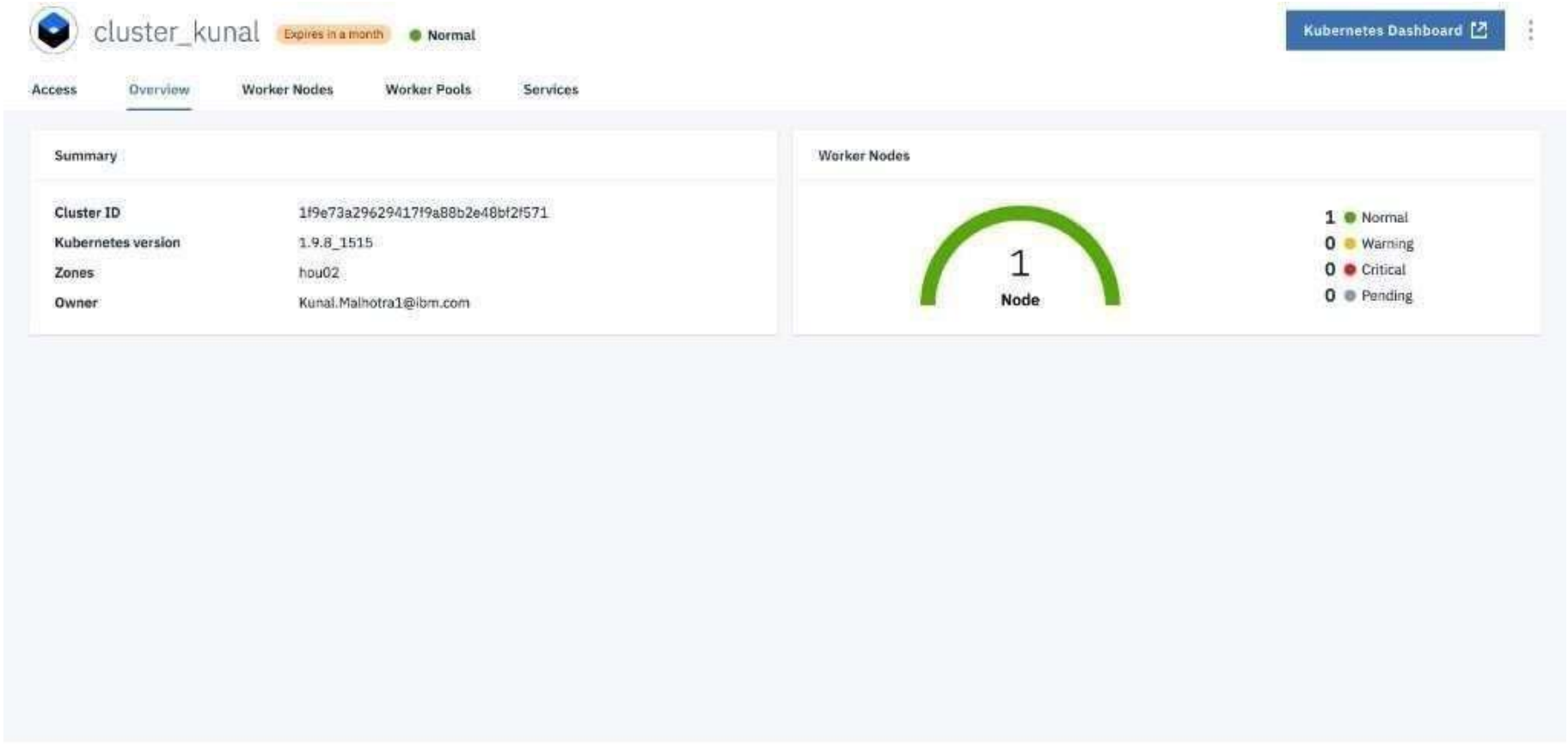
Request Headers:
        accept=*/*
        host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        user-agent=curl/7.54.0
        x-forwarded-for=10.184.100.58
        x-forwarded-host=echoserver.arpad-ipvs-test-aug14.us-south.containers.appdomain.cloud
        x-forwarded-port=443
        x-forwarded-proto=https
        x-global-k8fdic-transaction-id=838e8708691877ea4ac7448370362e22
        x-real-ip=10.184.100.58

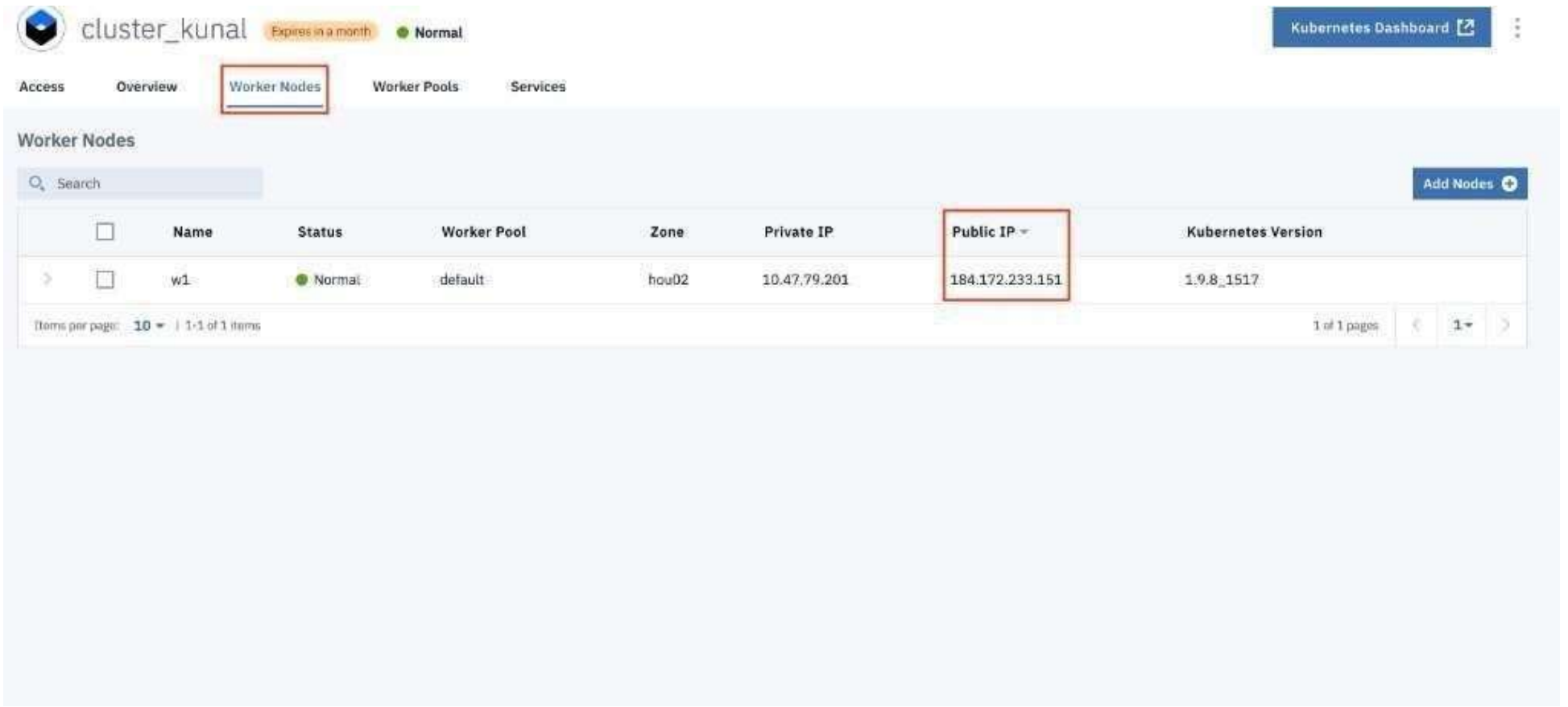
Request Body:
        -no body in request-
```

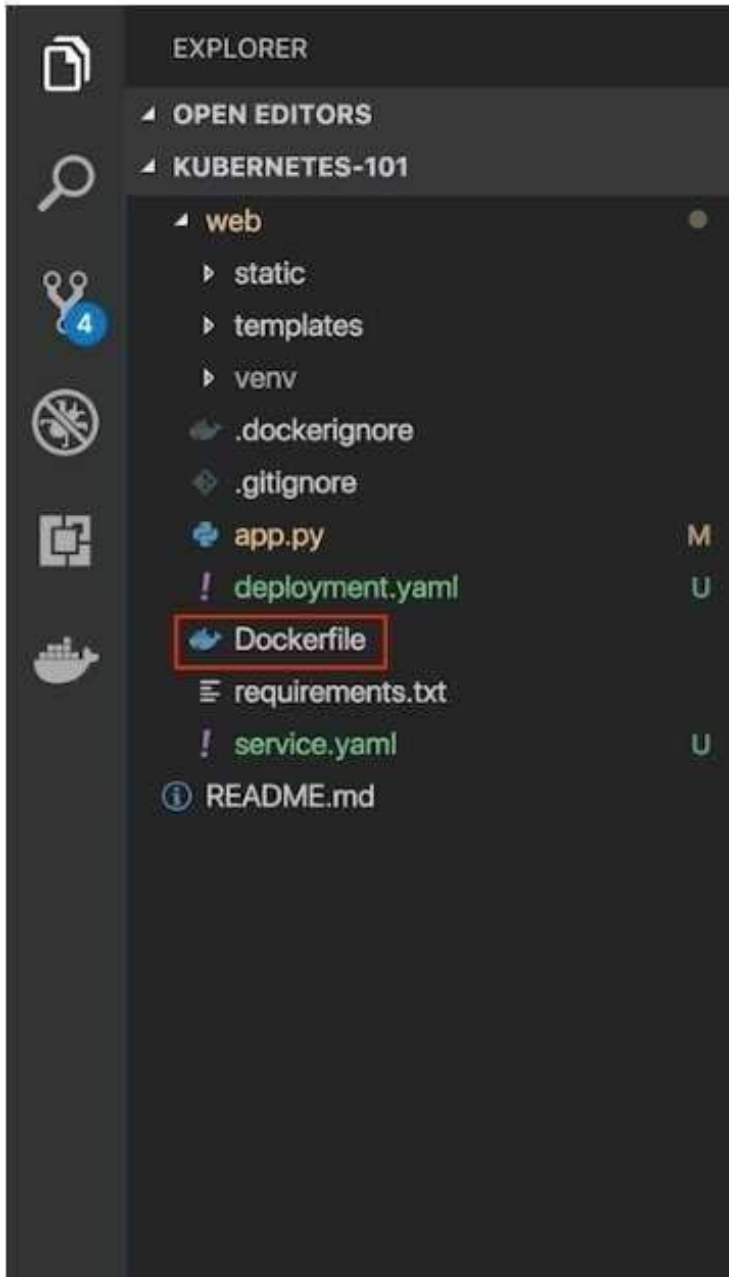
UPLOAD IMAGE TO IBM CONTAINER REGISTRY



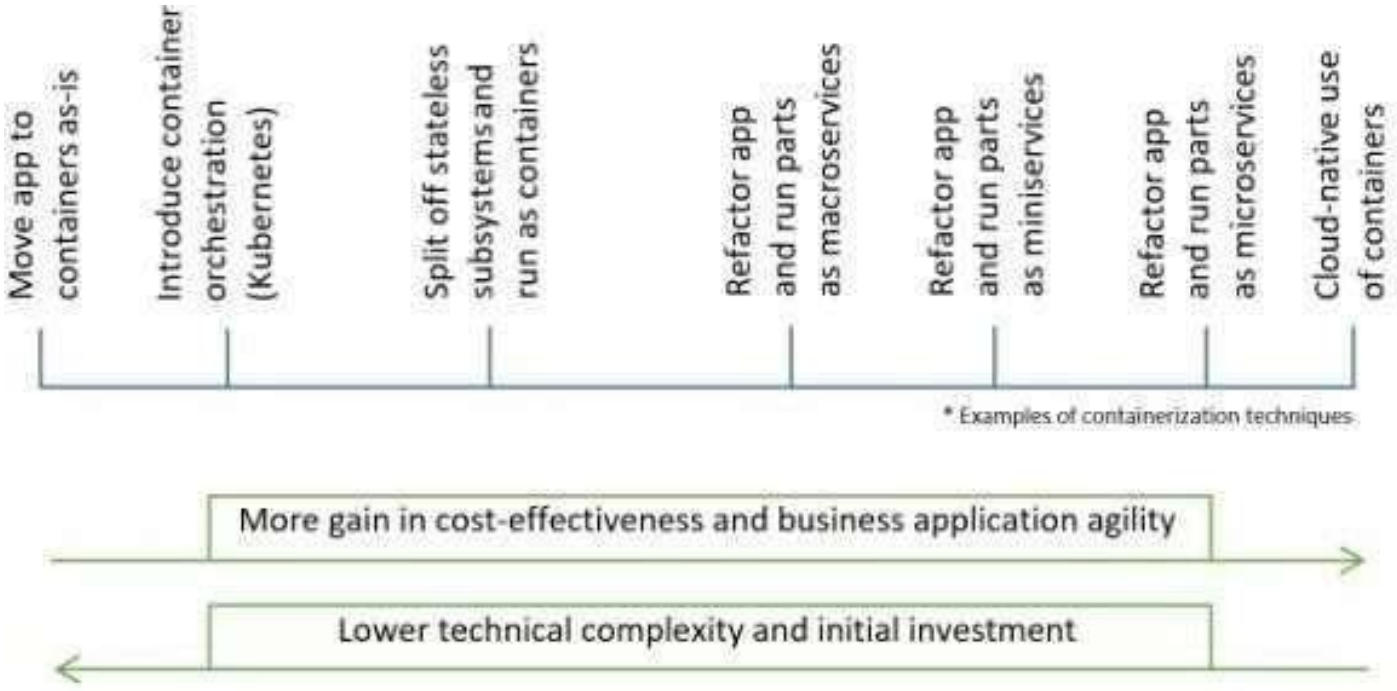

View All
Create new cluster
Region
US South
Cluster type
Free
New to Kubernetes? Create a cluster with 1 worker node to explore the capabilities.
Free
Standard
Ready for production? Create a fully-customizable cluster with your choice of hardware isolation.
Starting from $0.11 hourly
Cluster name
mycluster
Create Cluster
Order Summary
Free
1 worker node
Free
Total:
Free
Create Cluster
Need help? Contact IBM Cloud Sales

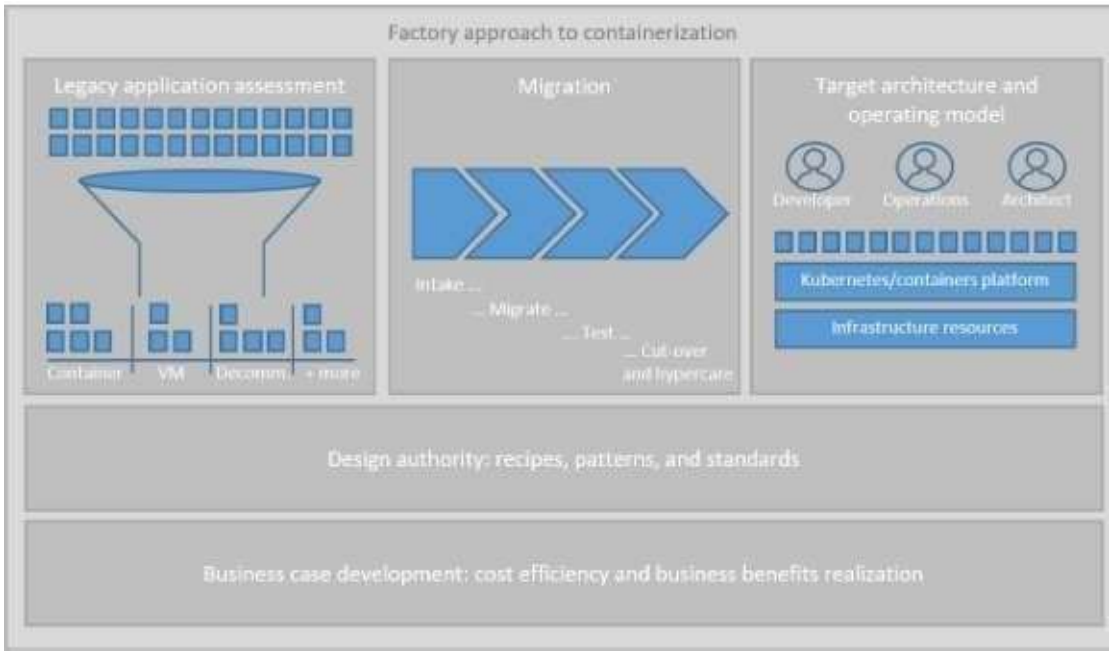

cluster_kunal
Expires in a month
Normal
Kubernetes Dashboard
Access
Overview
Worker Nodes
Worker Pools
Services
Summary
Cluster ID
1f9e73a29629417f9a88b2e48bf2f571
Kubernetes version
1.9.8_1515
Zones
hou02
Owner
Kunal.Malhotra1@ibm.com
Worker Nodes
1
Node
1 Normal
0 Warning
0 Critical
0 Pending


cluster_kunal
Expires in a month
Normal
Kubernetes Dashboard
Access
Overview
Worker Nodes
Worker Pools
Services
Worker Nodes
Search
Add Nodes
Name
Status
Worker Pool
Zone
Private IP
Public IP
Kubernetes Version
w1
Normal
default
hou02
10.47.79.201
184.172.233.151
1.9.8_1517
Items per page: 10
1-1 of 1 items
1 of 1 pages
1

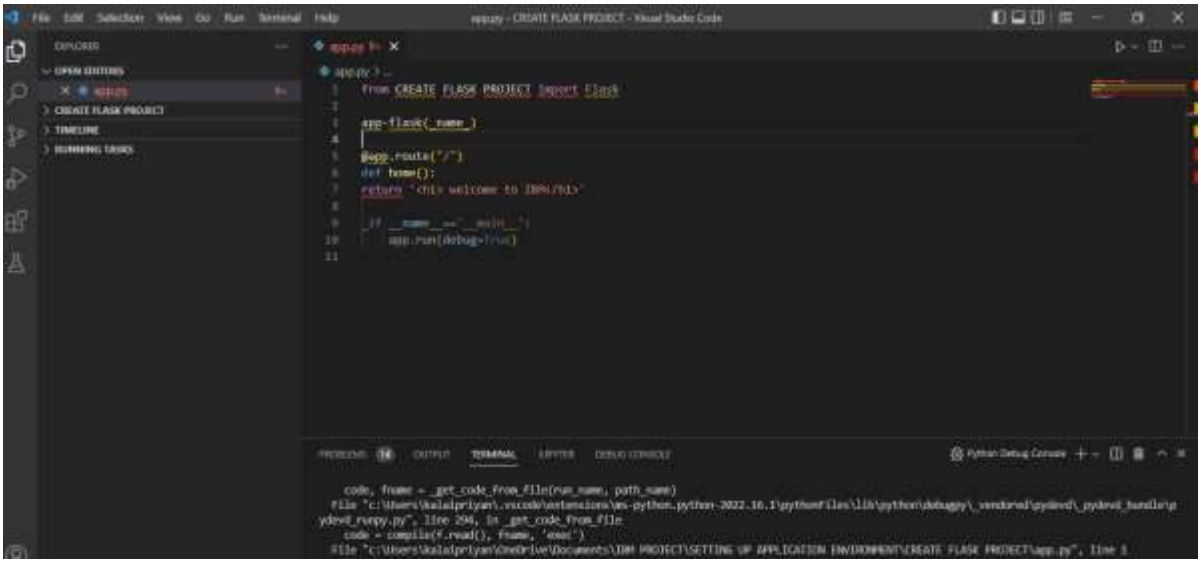

EXPLORER
OPEN EDITORS
KUBERNETES-101
web
static
templates
venv
.dockerignore
.gitignore
app.py
M
deployment.yaml
U
Dockerfile
requirements.txt
service.yaml
U
README.md

CONTAINERIZE THE APP

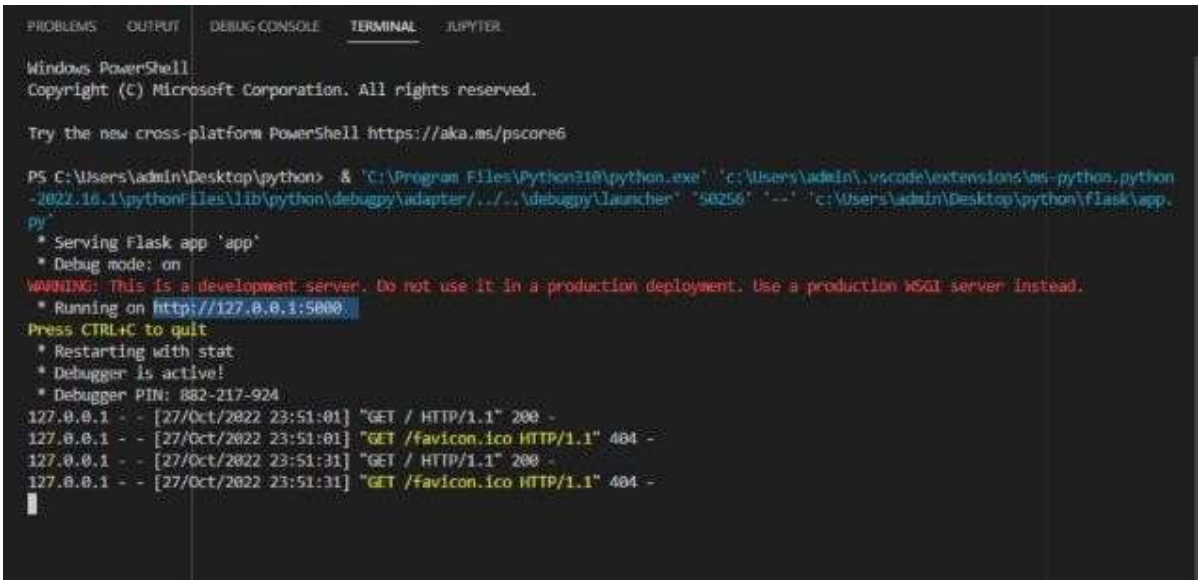


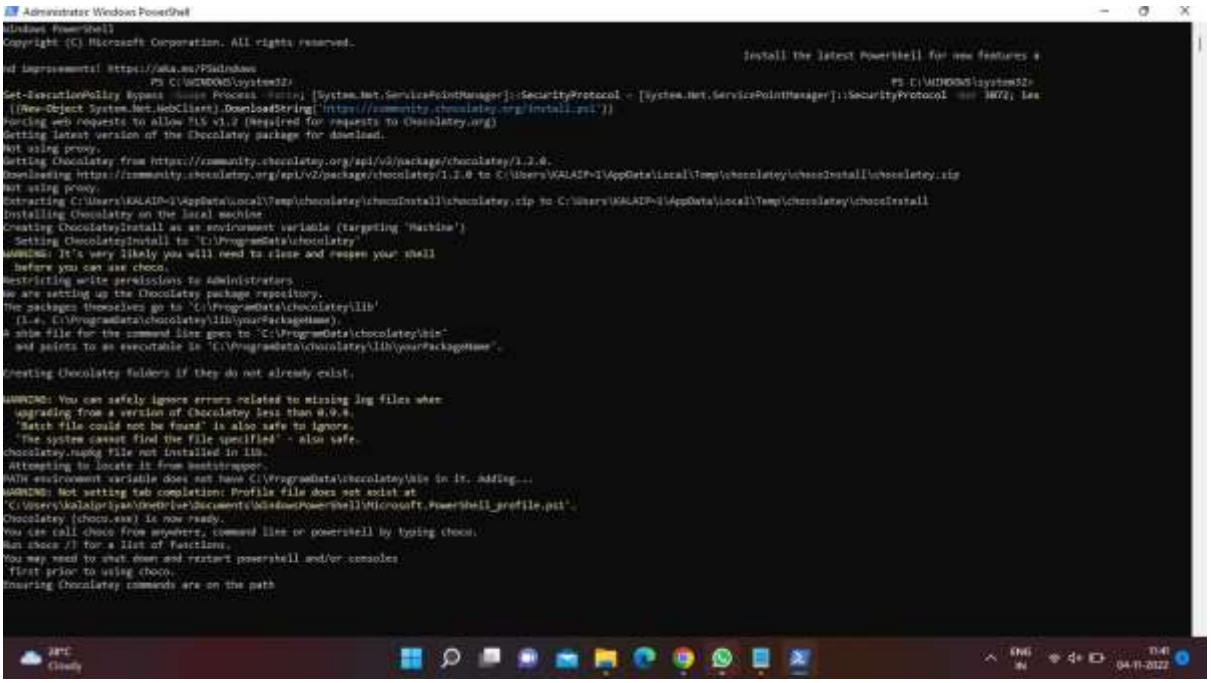


CREATE FLASK PROJECT



FLASK

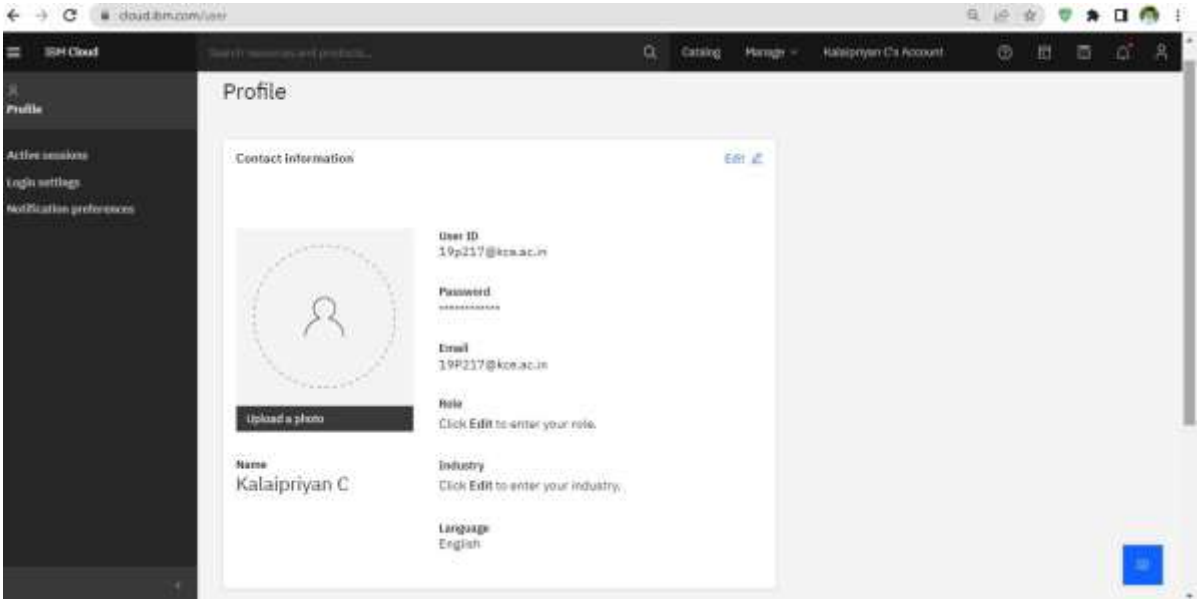


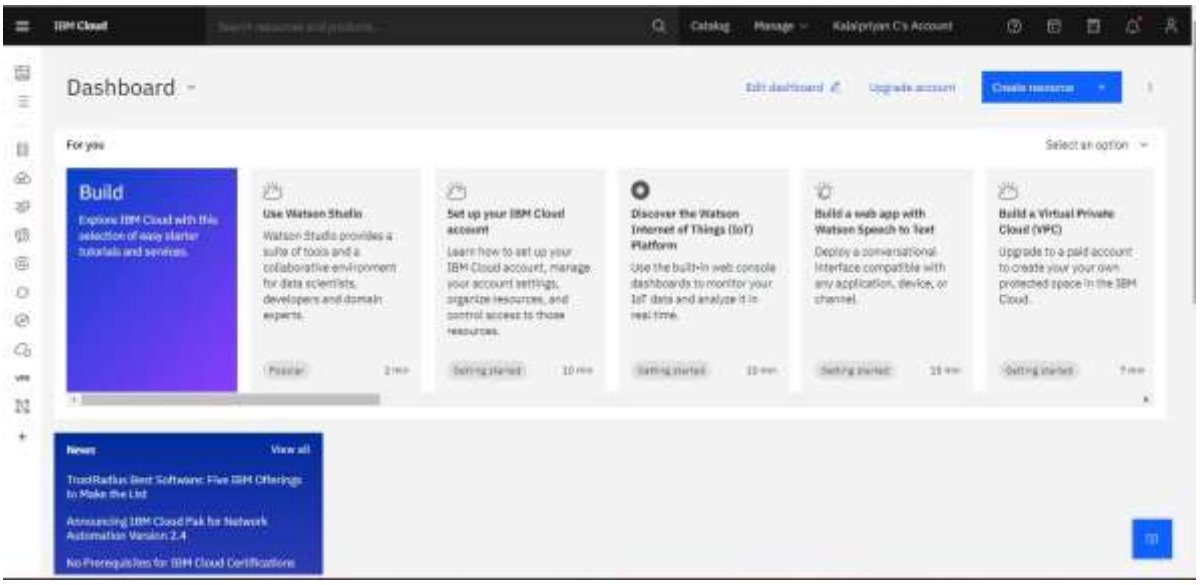

Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features a
nd improvements! https://aka.ms/PSWindows
PS C:\WINDOWS\system32>
PS C:\WINDOWS\system32>
Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex
((New-Object System.Net.WebClient).DownloadString('https://community.chocolatey.org/install.ps1'))
Forcing web requests to allow TLS v1.2 (Required for requests to Chocolatey.org)
Getting latest version of the Chocolatey package for download.
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/1.2.0.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/1.2.0 to C:\Users\KALAIP~1\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\KALAIP~1\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\KALAIP~1\AppData\Local\Temp\chocolatey\chocoInstall
Installing Chocolatey on the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
  Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
  before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib'
  (i.e. C:\ProgramData\chocolatey\lib\yourPackageName).
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin'
  and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.

Creating Chocolatey folders if they do not already exist.

WARNING: You can safely ignore errors related to missing log files when
  upgrading from a version of Chocolatey less than 0.9.9.
  'Batch file could not be found' is also safe to ignore.
  'The system cannot find the file specified' - also safe.
chocolatey.nupkg file not installed in lib.
 Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
WARNING: Not setting tab completion: Profile file does not exist at
'C:\Users\kalaipriyan\OneDrive\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.ps1'.
Chocolatey (choco.exe) is now ready.
You can call choco from anywhere, command line or powershell by typing choco.
Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
 first prior to using choco.
Ensuring Chocolatey commands are on the path
28°C
Cloudy
ENG
IN
11:41
04-11-2022

CREATE IBM ACCOUNT





```
<!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>CZAA| HOME</title>
   <meta charset="UTF-8">
      <!-- favicon -->
      <!-- <link rel="shortcut icon" href="/assets/img/favicon.ico" type="image/x-icon"> -->
      <!-- <link rel="icon" href="/assets/img/favicon.ico" type="image/x-icon"> -->
      <link rel="icon" type="image/png" sizes="16x16" href="/assets/img/favicon-32x32.png">
      <!-- bootstrap css cdn -->
      <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
      <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
      <!-- css stylesheet -->
      <link rel="stylesheet" href="css/style.css">
      <!-- font styles cdn -->
      <link rel="preconnect" href="https://fonts.gstatic.com">
      <link href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap"
rel="stylesheet">
      <link href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=swap"
rel="stylesheet">
</head>
<body>
      <!-- bootstrap navbar -->
      <nav class="navbar sticky-top navbar-expand-lg navbar-dark">
         <div class="container-fluid">
```

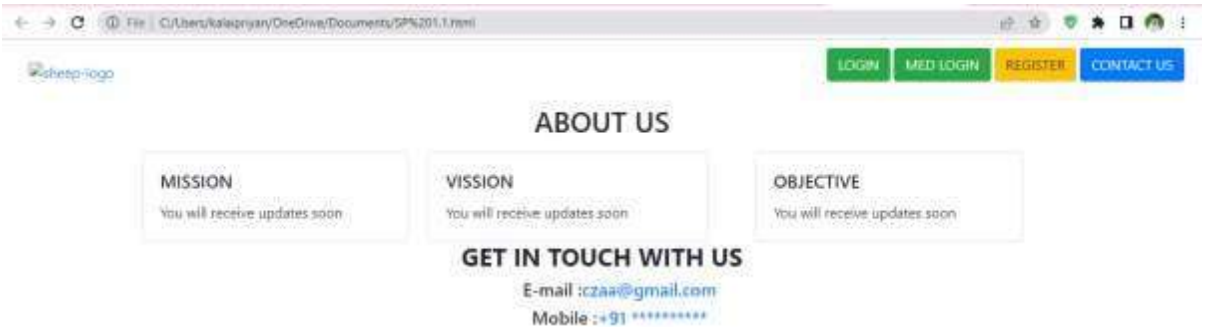
```
        <a class="main-logo-img mt-3" href="#"><img src="/static/img/smartinternz.png"
alt="sheep-logo" height="50px" width="180px">
          <!-- <a class="navbar-brand" href="index.html">JobPortal</a> -->
        </a>

        <div class="row donate-sponsor">
          <a type="button" class="btn btn-success mr-1" id="donate" href="login">LOGIN</a>
                                    <a type="button" class="btn btn-success mr-1" id="donate"
href="login">MED LOGIN</a>
          <a type="button" class="btn btn-warning mr-1" id="sponsor" href="register">REGISTER</a>
          <a type="button" class="btn btn-primary mr-1" id="sponsor"
href="contact.html">CONTACT US</a>
        </div>
       </div>
      </nav>
      <!-- navbar ends -->

    <!-- what we focus on -->
    <section class="our-focus">
      <div class="container">
       <h2 class="text-center mt-3">ABOUT US</h2>
       <div class="row ml-3 mt-3">
        <div class="col-lg-3 mr-5" id="focus-first">
         <div class="card" style="width: 19rem;">
          <!-- <img src="assets/img/home kids.jpg" class="card-img-top" alt="..."> -->
          <div class="card-body">
           <h5 class="card-title">MISSION</h5>
           <p class="card-text"> You will receive updates soon </p>
          </div>
         </div>
        </div>
        <div class="col-lg-3 mr-5" id="focus-second">
```

```
          <div class="card" style="width: 20rem;">
            <!-- <img src="assets/img/friendship day.JPG" class="card-img-top" alt="..."> -->
            <div class="card-body">
              <h5 class="card-title">VISSION</h5>
              <p class="card-text">You will receive updates soon </p>
            </div>
          </div>
        </div>
        <div class="col-lg-3 ml-5" id="focus-third">
          <div class="card" style="width: 19rem;">
            <!-- <img src="assets/img/health camp.jpg" class="card-img-top" alt="..."> -->
            <div class="card-body">
              <h5 class="card-title">OBJECTIVE</h5>
              <p class="card-text"> You will receive updates soon </p>
            </div>
          </div>
        </div>
      </div>
    </div>
  </section>
<footer>
    <center>
        <div class="col-xs-2 col-md-4">
          <h3> <b> GET IN TOUCH WITH US <b> </h3>
          <ul class="footer-links">
            <h5> E-mail :<a href="mailto:test@gmail.com">czaa@gmail.com</a></h5>
            <h5> Mobile :<a href="">+91 **********</a></h5>
          </ul>
        </div>
                            </center>
</footer> </body>
```

</html>


LOGIN
MED LOGIN
REGISTER
CONTACT US
ABOUT US
MISSION
You will receive updates soon
VISSION
You will receive updates soon
OBJECTIVE
You will receive updates soon
GET IN TOUCH WITH US
E-mail :czaa@gmail.com
Mobile :+91 **********

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<style>
body {
  font-family: Arial, Helvetica, sans-serif;
}

* {
  box-sizing: border-box;
}

/* style the container */
.container {
  position: relative;
  border-radius: 5px;
  background-color: #f2f2f2;
  padding: 20px 0 30px 0;
}

/* style inputs and link buttons */
input,
.btn {
  width: 100%;
  padding: 12px;
  border: none;
  border-radius: 4px;
  margin: 5px 0;
```

```
  opacity: 0.85;
  display: inline-block;
  font-size: 17px;
  line-height: 20px;
  text-decoration: none; /* remove underline from anchors */
}

input:hover,
.btn:hover {
  opacity: 1;
}

/* add appropriate colors to fb, twitter and google buttons */
.fb {
  background-color: #3B5998;
  color: white;
}

.twitter {
  background-color: #55ACEE;
  color: white;
}

.google {
  background-color: #dd4b39;
  color: white;
}

/* style the submit button */
input[type=submit] {
background-color: #04AA6D;
```

```
  color: white;
  cursor: pointer;
}

input[type=submit]:hover {
  background-color: #45a049;
}

/* Two-column layout */
.col {
  float:  left;
  width: 50%;
  margin: auto;
  padding: 0 50px;
  margin-top: 6px;
}

/* Clear floats after the columns */
.row:after {
  content: "";
  display: table;
  clear: both;
}

/* vertical line */
.vl {
  position: absolute;
  left: 50%;
  transform: translate(-50%);
  border: 2px solid #ddd;
  height: 175px;
```

```
}

/* text inside the vertical line */
.vl-innertext {
  position: absolute;
  top: 50%;
  transform: translate(-50%, -50%);
  background-color: #f1f1f1;
  border: 1px solid #ccc;
  border-radius: 50%;
  padding: 8px 10px;
}

/* hide some text on medium and large screens */
.hide-md-lg {
  display: none;
}

/* bottom container */
.bottom-container {
  text-align: center;
  background-color: #666;
  border-radius: 0px 0px 4px 4px;
}

/* Responsive layout - when the screen is less than 650px wide, make the two columns stack on top of each other instead of next to each other */
@media screen and (max-width: 650px) {
  .col {
    width: 100%;
    margin-top: 0;
```

```
  }
  /* hide the vertical line */
  .vl {
    display: none;
  }
  /* show the hidden text on small screens */
  .hide-md-lg {
    display: block;
    text-align: center;
  }
}
</style>
</head>
<body>



<div class="container">
  <form action="/action_page.php">
    <div class="row">
      <h2 style="text-align:center">Login with Social Media or </h2>
      <div class="vl">
        <span class="vl-innertext">or</span>
      </div>

      <div class="col">
        <a href="#" class="fb btn">
          <i class="fa fa-facebook fa-fw"></i> Login with Facebook
         </a>
        <a href="#" class="twitter btn">
          <i class="fa fa-twitter fa-fw"></i> Login with Twitter
```

```
      </a>
      <a href="#" class="google btn"><i class="fa fa-google fa-fw">
        </i> Login with Google+
      </a>
     </div>

     <div class="col">
      <div class="hide-md-lg">
        <p>Or sign in manually:</p>
      </div>

      <input type="text" name="username" placeholder="Username" required>
      <input type="password" name="password" placeholder="Password" required>
      <input type="submit" value="Login">
     </div>

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

<div class="bottom-container">
  <div class="row">
    <div class="col">
      <a href="#" style="color:white" class="btn">Sign up</a>
    </div>
    <div class="col">
      <a href="#" style="color:white" class="btn">Forgot password?</a>
    </div>
  </div>
</div>
```

</body>

</html>

Login with Social Media or
Login with Facebook
Login with Twitter
Login with Google+
or
Username
Password
Login
Sign up
Forgot password?

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
body {
  font-family: Arial, Helvetica, sans-serif;
  background-color: black;
}

* {
  box-sizing: border-box;
}

/* Add padding to containers */
.container {
  padding: 16px;
  background-color: white;
}

/* Full-width input fields */
input[type=text], input[type=password] {
width: 100%;
  padding: 15px;
  margin: 5px 0 22px 0;
  display: inline-block;
  border: none;
  background: #f1f1f1;
}

input[type=text]:focus, input[type=password]:focus {
```

```
  background-color: #ddd;
  outline: none;
}

/* Overwrite default styles of hr */
hr {
  border: 1px solid #f1f1f1;
  margin-bottom: 25px;
}

/* Set a style for the submit button */
.registerbtn {
  background-color: #04AA6D;
  color: white;
  padding: 16px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
  opacity: 0.9;
}

.registerbtn:hover {
  opacity: 1;
}

/* Add a blue text color to links */
a {
  color: dodgerblue;
}
```

```
/* Set a grey background color and center the text of the "sign in" section */
.signin {
  background-color: #f1f1f1;
  text-align: center;
}
</style>
</head>
<body>

<form action="/action_page.php">
  <div class="container">
    <h1>REGISTER</h1>
    <p>Please fill the form to create an account.</p>
    <hr>

    <label for="email"><b>Email</b></label>
    <input type="text"  name="email" id="email" required>

          <label for="email"><b>Hospital id</b></label>
    <input type="text" name="hosid" id="hosid" required>

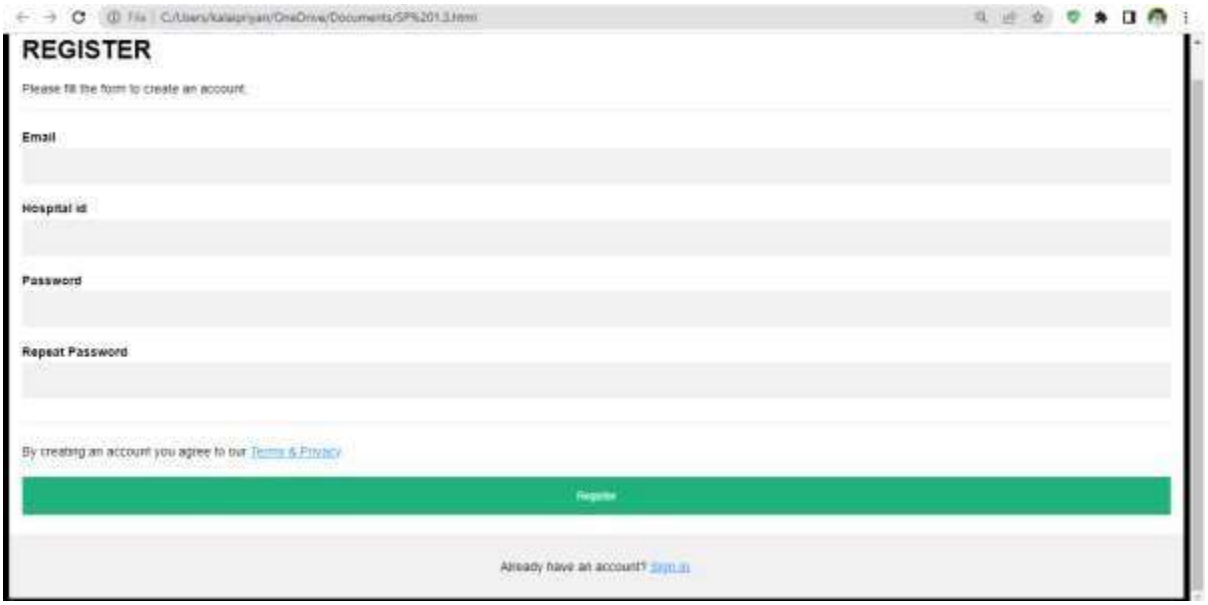
    <label for="psw"><b>Password</b></label>
    <input type="password"  name="psw" id="psw" required>

    <label for="psw-repeat"><b>Repeat Password</b></label>
    <input type="password"  name="psw-repeat" id="psw-repeat" required>
    <hr>
    <p>By creating an account you agree to our <a href="#">Terms & Privacy</a>.</p>

    <button type="submit" class="registerbtn">Register</button>
  </div>
```

```
 <div class="container signin">
   <p>Already have an account? <a href="#">Sign in</a>.</p>
 </div>
</form>


</body>
</html>
```



DELETION AREAS

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="Start your development with a Dashboard for Bootstrap 4.">
  <meta name="author" content="Creative Tim">
  <title>BESAFE | ZONEDELETION</title>
  <!-- Favicon -->
  <link rel="icon" href="static/img/brand/favicon.png" type="image/png">
  <!-- Fonts -->
  <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700">
  <!-- Icons -->
  <link rel="stylesheet" href="static/vendor/nucleo/css/nucleo.css" type="text/css">
  <link rel="stylesheet" href="static/vendor/@fortawesome/fontawesome-free/css/all.min.css"
type="text/css">
  <!-- Page plugins -->
  <!-- Argon CSS -->
  <link rel="stylesheet" href="static/css/argon.css?v=1.2.0" type="text/css">
</head>

<body>
  <!-- Sidenav -->
  <nav class="sidenav navbar navbar-vertical fixed-left navbar-expand-xs navbar-light bg-white"
id="sidenav-main">
    <div class="scrollbar-inner">
      <!-- Brand -->
      <div class="sidenav-header  align-items-center">
```

```
  <a class="navbar-brand" href="javascript:void(0)">
    <img src="static/images/Besafelogo.png" class="navbar-brand-img" alt="...">
  </a>
</div>
<div class="navbar-inner">
  <!-- Collapse -->
  <div class="collapse navbar-collapse" id="sidenav-collapse-main">
    <!-- Nav items -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link active" href="/admin">
          <i class="ni ni-tv-2 text-primary"></i>
          <span class="nav-link-text">Dashboard</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/countupdate">
          <i class="ni ni-pin-3 text-primary"></i>
          <span class="nav-link-text">COUNT UPDATE</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/zoneupdate">
          <i class="ni ni-bullet-list-67 text-default"></i>
          <span class="nav-link-text">ZONE UPDATE</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="">
          <i class="ni ni-fat-remove text-default"></i>
          <span class="nav-link-text">ZONE DELETION</span>
```

```
            </a>
          </li>
        </ul>
        <!-- Divider -->
        <hr class="my-3">
        <!-- Navigation -->

        </ul>
      </div>
    </div>
  </div>
 </nav>
 <!-- Main content -->
 <div class="main-content" id="panel">
  <!-- Topnav -->
  <nav class="navbar navbar-top navbar-expand navbar-dark bg-primary border-bottom">
    <div class="container-fluid">
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <!-- Search form -->
        <form class="navbar-search navbar-search-light form-inline mr-sm-3" id="navbar-search-main">
          <div class="form-group mb-0">
            <div class="input-group input-group-alternative input-group-merge">
              <div class="input-group-prepend">
                <span class="input-group-text"><i class="fas fa-search"></i></span>
              </div>
              <input class="form-control" placeholder="Search" type="text">
            </div>
          </div>
          <button type="button" class="close" data-action="search-close" data-target="#navbar-search-main" aria-label="Close">
            <span aria-hidden="true">×</span>
```

```
          </button>
        </form>
        <!-- Navbar links -->
        <ul class="navbar-nav align-items-center  ml-md-auto ">
          <li class="nav-item d-xl-none">
            <!-- Sidenav toggler -->
            <div class="pr-3 sidenav-toggler sidenav-toggler-dark" data-action="sidenav-pin" data-target="#sidenav-main">
              <div class="sidenav-toggler-inner">
                <i class="sidenav-toggler-line"></i>
                <i class="sidenav-toggler-line"></i>
                <i class="sidenav-toggler-line"></i>
              </div>
            </div>
          </li>
          <li class="nav-item d-sm-none">
            <a class="nav-link" href="#" data-action="search-show" data-target="#navbar-search-main">
              <i class="ni ni-zoom-split-in"></i>
            </a>
          </li>



        </ul>
        <ul class="navbar-nav align-items-center  ml-auto ml-md-0 ">
          <li class="nav-item dropdown">
            <a class="nav-link pr-0" href="#" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
              <div class="media align-items-center">
                <span class="avatar avatar-sm rounded-circle">
                  <img alt="Image placeholder" src="static/images/icon.jpg">
                </span>
                <div class="media-body  ml-2  d-none d-lg-block">
```

```
            <span class="mb-0 text-sm  font-weight-bold">{{user}}</span>
          </div>
        </div>
      </a>
      <div class="dropdown-menu  dropdown-menu-right ">
        <div class="dropdown-header noti-title">
          <h6 class="text-overflow m-0">Welcome!</h6>
        </div>
        <a href="/logout" class="dropdown-item">
          <i class="ni ni-single-02"></i>
          <span>My profile</span>
        </a>
        <a href="#!" class="dropdown-item">
          <i class="ni ni-settings-gear-65"></i>
          <span>Settings</span>
        </a>
        <div class="dropdown-divider"></div>
        <a href="/logout" class="dropdown-item">
          <i class="ni ni-user-run"></i>
          <span>Logout</span>
        </a>
      </div>
    </li>
  </ul>
 </div>
</div>
</nav>
<!-- Header -->
<!-- Header -->
<div class="header bg-primary pb-6">
 <div class="container-fluid">
```

```
<div class="header-body">
  <div class="row align-items-center py-4">
    <div class="col-lg-6 col-7">
      <h6 class="h2 text-white d-inline-block mb-0">Default</h6>
      <nav aria-label="breadcrumb" class="d-none d-md-inline-block ml-md-4">
        <ol class="breadcrumb breadcrumb-links breadcrumb-dark">
          <li class="breadcrumb-item"><a href="#"><i class="fas fa-home"></i></a></li>
          <li class="breadcrumb-item"><a href="#">Dashboards</a></li>
          <li class="breadcrumb-item active" aria-current="page">Default</li>
        </ol>
      </nav>
    </div>
    <div class="col-lg-6 col-5 text-right">
      <a href="#" class="btn btn-sm btn-neutral">Refresh</a>
    </div>
  </div>
  <!-- Card stats -->
  <div class="login text-center mt-5">
<h1 style="color:white;"> ZONE DELETION  </h1>
<form action="/zonedeletion" method="post">
<div class="msg">{{ msg }}</div>

    <br><input type="text" style="text-transform:uppercase" name="state" placeholder="STATE" id="state" required><br>
                    <br><input type="text" style="text-transform:uppercase" name="district" placeholder="DISTRICT"  id="district" required><br>
                    <br><input type="text" style="text-transform:uppercase" name="area" placeholder="CITY" id="city" required><br>


<button type="submit" id="button" class="btn btn-dark"> DELETE </button>
</form>
```

```
  </div>


    <!-- Footer -->
    <footer class="footer pt-0">
      <div class="row align-items-center justify-content-lg-between">
        <div class="col-lg-6">
          <div class="copyright text-center  text-lg-left  text-muted">
            &copy; 2021 <a href="https://www.instagram.com/asuvath.in/" class="font-weight-bold ml-1" target="_blank">@asuvath.in</a>
          </div>
        </div>
        <div class="col-lg-6">
          <ul class="nav nav-footer justify-content-center justify-content-lg-end">
            <li class="nav-item">
              <a href="/" class="nav-link" target="_blank">About Us.</a>
            </li>
          </ul>
        </div>
      </div>
    </footer>
  </div>
 </div>
 <!-- Argon Scripts -->
 <!-- Core -->
 <script src="static/vendor/jquery/dist/jquery.min.js"></script>
 <script src="static/vendor/bootstrap/dist/js/bootstrap.bundle.min.js"></script>
 <script src="static/vendor/js-cookie/js.cookie.js"></script>
 <script src="static/vendor/jquery.scrollbar/jquery.scrollbar.min.js"></script>
 <script src="static/vendor/jquery-scroll-lock/dist/jquery-scrollLock.min.js"></script>
 <!-- Optional JS -->
 <script src="static/vendor/chart.js/dist/Chart.min.js"></script>
```

```
  <script src="static/vendor/chart.js/dist/Chart.extension.js"></script>
  <!-- Argon JS -->
  <script src="static/js/argon.js?v=1.2.0"></script>
</div>
</div>
</body>

</html>
```

LOGIN

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="Start your development with a Dashboard for Bootstrap 4.">
  <meta name="author" content="Creative Tim">
  <title>BESAFE | Dashboard</title>
  <!-- Favicon -->
  <link rel="icon" href="static/img/brand/favicon.png" type="image/png">
  <!-- Fonts -->
  <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700">
  <!-- Icons -->
  <link rel="stylesheet" href="static/vendor/nucleo/css/nucleo.css" type="text/css">
  <link rel="stylesheet" href="static/vendor/@fortawesome/fontawesome-free/css/all.min.css"
type="text/css">
  <!-- Page plugins -->
  <!-- Argon CSS -->
  <link rel="stylesheet" href="static/css/argon.css?v=1.2.0" type="text/css">
</head>

<body>
  <!-- Sidenav -->
  <nav class="sidenav navbar navbar-vertical fixed-left navbar-expand-xs navbar-light bg-white"
id="sidenav-main">
    <div class="scrollbar-inner">
      <!-- Brand -->
      <div class="sidenav-header  align-items-center">
```

```
  <a class="navbar-brand" href="javascript:void(0)">
    <img src="static/images/Besafelogo.png" class="navbar-brand-img" alt="...">
  </a>
</div>
<div class="navbar-inner">
  <!-- Collapse -->
  <div class="collapse navbar-collapse" id="sidenav-collapse-main">
    <!-- Nav items -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link active" href="examples/dashboard.html">
          <i class="ni ni-tv-2 text-primary"></i>
          <span class="nav-link-text">Dashboard</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/verify">
          <i class="ni ni-square-pin text-primary"></i>
          <span class="nav-link-text">Verify your location</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/visitedzones">
          <i class="ni ni-bullet-list-67 text-default"></i>
          <span class="nav-link-text">Visited zones</span>
        </a>
      </li>
    </ul>
    <!-- Divider -->
    <hr class="my-3">
    <!-- Navigation -->
```

```
        </ul>
       </div>
     </div>
   </div>
 </nav>
 <!-- Main content -->
 <div class="main-content" id="panel">
   <!-- Topnav -->
   <nav class="navbar navbar-top navbar-expand navbar-dark bg-primary border-bottom">
     <div class="container-fluid">
       <div class="collapse navbar-collapse" id="navbarSupportedContent">
         <!-- Search form -->
         <form class="navbar-search navbar-search-light form-inline mr-sm-3" id="navbar-search-main">
           <div class="form-group mb-0">
             <div class="input-group input-group-alternative input-group-merge">
               <div class="input-group-prepend">
                 <span class="input-group-text"><i class="fas fa-search"></i></span>
               </div>
               <input class="form-control" placeholder="Search" type="text">
             </div>
           </div>
           <button type="button" class="close" data-action="search-close" data-target="#navbar-search-main" aria-label="Close">
             <span aria-hidden="true">×</span>
           </button>
         </form>
         <!-- Navbar links -->
         <ul class="navbar-nav align-items-center  ml-md-auto ">
           <li class="nav-item d-xl-none">
             <!-- Sidenav toggler -->
```

```
          <div class="pr-3 sidenav-toggler sidenav-toggler-dark" data-action="sidenav-pin" data-target="#sidenav-main">
            <div class="sidenav-toggler-inner">
              <i class="sidenav-toggler-line"></i>
              <i class="sidenav-toggler-line"></i>
              <i class="sidenav-toggler-line"></i>
            </div>
          </div>
        </li>
        <li class="nav-item d-sm-none">
          <a class="nav-link" href="#" data-action="search-show" data-target="#navbar-search-main">
            <i class="ni ni-zoom-split-in"></i>
          </a>
        </li>


      </ul>
      <ul class="navbar-nav align-items-center  ml-auto ml-md-0 ">
        <li class="nav-item dropdown">
          <a class="nav-link pr-0" href="#" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
            <div class="media align-items-center">
              <span class="avatar avatar-sm rounded-circle">
                <img alt="Image placeholder" src="static/images/icon.jpg">
              </span>
              <div class="media-body  ml-2  d-none d-lg-block">
                <span class="mb-0 text-sm  font-weight-bold">{{user}}</span>
              </div>
            </div>
          </a>
          <div class="dropdown-menu  dropdown-menu-right ">
            <div class="dropdown-header noti-title">
```

```
            <h6 class="text-overflow m-0">Welcome!</h6>
          </div>
          <a href="#!" class="dropdown-item">
            <i class="ni ni-single-02"></i>
            <span>My profile</span>
          </a>
          <a href="#!" class="dropdown-item">
            <i class="ni ni-settings-gear-65"></i>
            <span>Settings</span>
          </a>
          <div class="dropdown-divider"></div>
          <a href="/logout" class="dropdown-item">
            <i class="ni ni-user-run"></i>
            <span>Logout</span>
          </a>
        </div>
      </li>
    </ul>
  </div>
 </div>
</nav>
<!-- Header -->
<!-- Header -->
<div class="header bg-primary pb-6">
 <div class="container-fluid">
  <div class="header-body">
   <div class="row align-items-center py-4">
    <div class="col-lg-6 col-7">
     <h6 class="h2 text-white d-inline-block mb-0">Default</h6>
     <nav aria-label="breadcrumb" class="d-none d-md-inline-block ml-md-4">
      <ol class="breadcrumb breadcrumb-links breadcrumb-dark">
```

```
      <li class="breadcrumb-item"><a href="#"><i class="fas fa-home"></i></a></li>
      <li class="breadcrumb-item"><a href="#">Dashboards</a></li>
      <li class="breadcrumb-item active" aria-current="page">Default</li>
     </ol>
    </nav>
   </div>
   <div class="col-lg-6 col-5 text-right">
    <a href="/dashboard" class="btn btn-sm btn-neutral">Refresh</a>
   </div>
  </div>
  <!-- Card stats -->
  <div class="row">
   <div class="col-xl-3 col-md-6">
    <div class="card card-stats">
     <!-- Card body -->
     <div class="card-body">
      <div class="row">
       <div class="col">
        <h5 class="card-title text-uppercase text-muted mb-0">Active cases</h5>
        <span class="h2 font-weight-bold mb-0">{{activecases}}</span>
       </div>
       <div class="col-auto">
        <div class="icon icon-shape bg-gradient-red text-white rounded-circle shadow">
         <i class="ni ni-active-40"></i>
        </div>
       </div>
      </div>
      <p class="mt-3 mb-0 text-sm">
       <span class="text-nowrap">Total cases across our nation </span>
      </p>
     </div>
```

```
  </div>
</div>
<div class="col-xl-3 col-md-6">
  <div class="card card-stats">
    <!-- Card body -->
    <div class="card-body">
      <div class="row">
        <div class="col">
          <h5 class="card-title text-uppercase text-muted mb-0">New Cases</h5>
          <span class="h2 font-weight-bold mb-0">{{newcases}}</span>
        </div>
        <div class="col-auto">
          <div class="icon icon-shape bg-gradient-orange text-white rounded-circle shadow">
            <i class="ni ni-chart-pie-35"></i>
          </div>
        </div>
      </div>
      <p class="mt-3 mb-0 text-sm">
        <span class="text-success mr-2"><i class="fa fa-arrow-up"></i> </span>
        <span class="text-nowrap">Since 24 hrs</span>
      </p>
    </div>
  </div>
</div>
<div class="col-xl-3 col-md-6">
  <div class="card card-stats">
    <!-- Card body -->
    <div class="card-body">
      <div class="row">
        <div class="col">
          <h5 class="card-title text-uppercase text-muted mb-0">Deaths</h5>
```

```
          <span class="h2 font-weight-bold mb-0">{{deaths}}</span>
        </div>
        <div class="col-auto">
          <div class="icon icon-shape bg-gradient-green text-white rounded-circle shadow">
            <i class="ni ni-money-coins"></i>
          </div>
        </div>
      </div>
      <p class="mt-3 mb-0 text-sm">
        <span class="text-nowrap">Since 24 hrs </span>
      </p>
    </div>
  </div>
</div>
<div class="col-xl-3 col-md-6">
  <div class="card card-stats">
    <!-- Card body -->
    <div class="card-body">
      <div class="row">
        <div class="col">
          <h5 class="card-title text-uppercase text-muted mb-0">Recovered </h5>
          <span class="h2 font-weight-bold mb-0">{{recovered}}</span>
        </div>
        <div class="col-auto">
          <div class="icon icon-shape bg-gradient-info text-white rounded-circle shadow">
            <i class="ni ni-chart-bar-32"></i>
          </div>
        </div>
      </div>
      <p class="mt-3 mb-0 text-sm">
        <span class="text-success mr-2"><i class="fa fa-arrow-up"></i> </span>
```

```
                <span class="text-nowrap">Total recovered cases</span>
              </p>
             </div>
            </div>
           </div>
          </div>
         </div>
        </div>
       </div>
      <!-- Page content -->


          <div class="card-body">
           <!-- Chart -->
           <div class="chart">
            <!-- Chart wrapper -->



           <!-- Projects table -->


      <!-- Footer -->
      <footer class="footer pt-0">
       <div class="row align-items-center justify-content-lg-between">
        <div class="col-lg-6">
         <div class="copyright text-center  text-lg-left  text-muted">
          &copy; 2021 <a href="https://www.instagram.com/asuvath.in/" class="font-weight-bold ml-
1" target="_blank">@asuvath.in</a>
         </div>
        </div>
        <div class="col-lg-6">
         <ul class="nav nav-footer justify-content-center justify-content-lg-end">
          <li class="nav-item">
```

```
            <a href="/" class="nav-link" target="_blank">About Us</a>
          </li>
        </ul>
      </div>
    </div>
  </footer>
 </div>
</div>
<!-- Argon Scripts -->
<!-- Core -->
<script src="static/vendor/jquery/dist/jquery.min.js"></script>
<script src="static/vendor/bootstrap/dist/js/bootstrap.bundle.min.js"></script>
<script src="static/vendor/js-cookie/js.cookie.js"></script>
<script src="static/vendor/jquery.scrollbar/jquery.scrollbar.min.js"></script>
<script src="static/vendor/jquery-scroll-lock/dist/jquery-scrollLock.min.js"></script>
<!-- Optional JS -->
<script src="static/vendor/chart.js/dist/Chart.min.js"></script>
<script src="static/vendor/chart.js/dist/Chart.extension.js"></script>
<!-- Argon JS -->
<script src="static/js/argon.js?v=1.2.0"></script>
</div>
</body>

</html>
```

UPDATE AREAS

```
<!DOCTYPE html>
<html>

<head>
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  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
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  <link rel="stylesheet" href="static/vendor/@fortawesome/fontawesome-free/css/all.min.css"
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  </a>
</div>
<div class="navbar-inner">
  <!-- Collapse -->
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    <!-- Nav items -->
    <ul class="navbar-nav">
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        <a class="nav-link active" href="/admin">
          <i class="ni ni-tv-2 text-primary"></i>
          <span class="nav-link-text">Dashboard</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/countupdate">
          <i class="ni ni-pin-3 text-primary"></i>
          <span class="nav-link-text">COUNT UPDATE</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="">
          <i class="ni ni-bullet-list-67 text-default"></i>
          <span class="nav-link-text">ZONE UPDATE</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/zonedeletion">
          <i class="ni ni-fat-remove text-default"></i>
          <span class="nav-link-text">ZONE DELETION</span>
```

```
            </a>
          </li>
        </ul>
        <!-- Divider -->
        <hr class="my-3">
        <!-- Navigation -->

        </ul>
      </div>
    </div>
  </div>
 </nav>
 <!-- Main content -->
 <div class="main-content" id="panel">
  <!-- Topnav -->
  <nav class="navbar navbar-top navbar-expand navbar-dark bg-primary border-bottom">
    <div class="container-fluid">
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <!-- Search form -->
        <form class="navbar-search navbar-search-light form-inline mr-sm-3" id="navbar-search-main">
          <div class="form-group mb-0">
            <div class="input-group input-group-alternative input-group-merge">
              <div class="input-group-prepend">
                <span class="input-group-text"><i class="fas fa-search"></i></span>
              </div>
              <input class="form-control" placeholder="Search" type="text">
            </div>
          </div>
          <button type="button" class="close" data-action="search-close" data-target="#navbar-search-main" aria-label="Close">
            <span aria-hidden="true">×</span>
```

```
          </button>
        </form>
        <!-- Navbar links -->
        <ul class="navbar-nav align-items-center  ml-md-auto ">
          <li class="nav-item d-xl-none">
            <!-- Sidenav toggler -->
            <div class="pr-3 sidenav-toggler sidenav-toggler-dark" data-action="sidenav-pin" data-target="#sidenav-main">
              <div class="sidenav-toggler-inner">
                <i class="sidenav-toggler-line"></i>
                <i class="sidenav-toggler-line"></i>
                <i class="sidenav-toggler-line"></i>
              </div>
            </div>
          </li>
          <li class="nav-item d-sm-none">
            <a class="nav-link" href="#" data-action="search-show" data-target="#navbar-search-main">
              <i class="ni ni-zoom-split-in"></i>
            </a>
          </li>



        </ul>
        <ul class="navbar-nav align-items-center  ml-auto ml-md-0 ">
          <li class="nav-item dropdown">
            <a class="nav-link pr-0" href="#" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
              <div class="media align-items-center">
                <span class="avatar avatar-sm rounded-circle">
                  <img alt="Image placeholder" src="static/images/icon.jpg">
                </span>
                <div class="media-body  ml-2  d-none d-lg-block">
```

```
            <span class="mb-0 text-sm  font-weight-bold">{{user}}</span>
          </div>
        </div>
      </a>
      <div class="dropdown-menu  dropdown-menu-right ">
        <div class="dropdown-header noti-title">
          <h6 class="text-overflow m-0">Welcome!</h6>
        </div>
        <a href="#!" class="dropdown-item">
          <i class="ni ni-single-02"></i>
          <span>My profile</span>
        </a>
        <a href="#!" class="dropdown-item">
          <i class="ni ni-settings-gear-65"></i>
          <span>Settings</span>
        </a>
        <div class="dropdown-divider"></div>
        <a href="/logout" class="dropdown-item">
          <i class="ni ni-user-run"></i>
          <span>Logout</span>
        </a>
      </div>
    </li>
  </ul>
 </div>
</div>
</nav>
<!-- Header -->
<!-- Header -->
<div class="header bg-primary pb-6">
 <div class="container-fluid">
```

```
<div class="header-body">
 <div class="row align-items-center py-4">
  <div class="col-lg-6 col-7">
   <h6 class="h2 text-white d-inline-block mb-0">Default</h6>
   <nav aria-label="breadcrumb" class="d-none d-md-inline-block ml-md-4">
    <ol class="breadcrumb breadcrumb-links breadcrumb-dark">
     <li class="breadcrumb-item"><a href="#"><i class="fas fa-home"></i></a></li>
     <li class="breadcrumb-item"><a href="#">Dashboards</a></li>
     <li class="breadcrumb-item active" aria-current="page">Default</li>
    </ol>
   </nav>
  </div>
  <div class="col-lg-6 col-5 text-right">
   <a href="#" class="btn btn-sm btn-neutral">Refresh</a>
  </div>
 </div>
 <!-- Card stats -->
 <div class="login text-center mt-5">
<h1 style="color:white;"> ZONE UPDATE  </h1>
<form action="/zoneupdate" method="post">
<div class="msg">{{ msg }}</div>

   <br><input type="text" style="text-transform:uppercase" name="state" placeholder="STATE" id="state" required><br>
                <br><input type="text" style="text-transform:uppercase" name="district" placeholder="DISTRICT"  id="district" required><br>
                <br><input type="text" style="text-transform:uppercase" name="area" placeholder="CITY" id="city" required><br>

<button type="submit" id="button" class="btn btn-dark"> ADD </button>
</form>
```

```
  </div>


    <!-- Footer -->
    <footer class="footer pt-0">
      <div class="row align-items-center justify-content-lg-between">
        <div class="col-lg-6">
          <div class="copyright text-center  text-lg-left  text-muted">
            &copy; 2021 <a href="https://www.instagram.com/asuvath.in/" class="font-weight-bold ml-1" target="_blank">@asuvath.in</a>
          </div>
        </div>
        <div class="col-lg-6">
          <ul class="nav nav-footer justify-content-center justify-content-lg-end">
            <li class="nav-item">
              <a href="/" class="nav-link" target="_blank">About Us.</a>
            </li>
          </ul>
        </div>
      </div>
    </footer>
  </div>
 </div>
 <!-- Argon Scripts -->
 <!-- Core -->
 <script src="static/vendor/jquery/dist/jquery.min.js"></script>
 <script src="static/vendor/bootstrap/dist/js/bootstrap.bundle.min.js"></script>
 <script src="static/vendor/js-cookie/js.cookie.js"></script>
 <script src="static/vendor/jquery.scrollbar/jquery.scrollbar.min.js"></script>
 <script src="static/vendor/jquery-scroll-lock/dist/jquery-scrollLock.min.js"></script>
 <!-- Optional JS -->
 <script src="static/vendor/chart.js/dist/Chart.min.js"></script>
```

```
  <script src="static/vendor/chart.js/dist/Chart.extension.js"></script>
  <!-- Argon JS -->
  <script src="static/js/argon.js?v=1.2.0"></script>
</div>
</div>
</body>

</html>
```

VISITED AREAS

```
<!DOCTYPE html>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="Start your development with a Dashboard for Bootstrap 4.">
  <meta name="author" content="Creative Tim">
  <title>BESAFE | VISITEDZONES</title>
  <!-- Favicon -->
  <link rel="icon" href="static/img/brand/favicon.png" type="image/png">
  <!-- Fonts -->
  <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700">
  <!-- Icons -->
  <link rel="stylesheet" href="static/vendor/nucleo/css/nucleo.css" type="text/css">
  <link rel="stylesheet" href="static/vendor/@fortawesome/fontawesome-free/css/all.min.css"
type="text/css">
  <!-- Page plugins -->
  <!-- Argon CSS -->
  <link rel="stylesheet" href="static/css/argon.css?v=1.2.0" type="text/css">
</head>

<body>
  <!-- Sidenav -->
  <nav class="sidenav navbar navbar-vertical fixed-left navbar-expand-xs navbar-light bg-white"
id="sidenav-main">
    <div class="scrollbar-inner">
      <!-- Brand -->
      <div class="sidenav-header  align-items-center">
```

```
  <a class="navbar-brand" href="javascript:void(0)">
    <img src="static/images/Besafelogo.png" class="navbar-brand-img" alt="...">
  </a>
</div>
<div class="navbar-inner">
  <!-- Collapse -->
  <div class="collapse navbar-collapse" id="sidenav-collapse-main">
    <!-- Nav items -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link active" href="/dashboard">
          <i class="ni ni-tv-2 text-primary"></i>
          <span class="nav-link-text">Dashboard</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/verify">
          <i class="ni ni-pin-3 text-primary"></i>
          <span class="nav-link-text">Verify your location</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="">
          <i class="ni ni-bullet-list-67 text-default"></i>
          <span class="nav-link-text">Visited zones</span>
        </a>
      </li>
    </ul>
    <!-- Divider -->
    <hr class="my-3">
    <!-- Navigation -->
```

```
        </ul>
       </div>
     </div>
   </div>
 </nav>
 <!-- Main content -->
 <div class="main-content" id="panel">
   <!-- Topnav -->
   <nav class="navbar navbar-top navbar-expand navbar-dark bg-primary border-bottom">
     <div class="container-fluid">
       <div class="collapse navbar-collapse" id="navbarSupportedContent">
         <!-- Search form -->
         <form class="navbar-search navbar-search-light form-inline mr-sm-3" id="navbar-search-main">
           <div class="form-group mb-0">
             <div class="input-group input-group-alternative input-group-merge">
               <div class="input-group-prepend">
                 <span class="input-group-text"><i class="fas fa-search"></i></span>
               </div>
               <input class="form-control" placeholder="Search" type="text">
             </div>
           </div>
           <button type="button" class="close" data-action="search-close" data-target="#navbar-search-main" aria-label="Close">
             <span aria-hidden="true">×</span>
           </button>
         </form>
         <!-- Navbar links -->
         <ul class="navbar-nav align-items-center  ml-md-auto ">
           <li class="nav-item d-xl-none">
             <!-- Sidenav toggler -->
```

```
          <div class="pr-3 sidenav-toggler sidenav-toggler-dark" data-action="sidenav-pin" data-target="#sidenav-main">
            <div class="sidenav-toggler-inner">
              <i class="sidenav-toggler-line"></i>
              <i class="sidenav-toggler-line"></i>
              <i class="sidenav-toggler-line"></i>
            </div>
          </div>
        </li>
        <li class="nav-item d-sm-none">
          <a class="nav-link" href="#" data-action="search-show" data-target="#navbar-search-main">
            <i class="ni ni-zoom-split-in"></i>
          </a>
        </li>


      </ul>
      <ul class="navbar-nav align-items-center  ml-auto ml-md-0 ">
        <li class="nav-item dropdown">
          <a class="nav-link pr-0" href="#" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
            <div class="media align-items-center">
              <span class="avatar avatar-sm rounded-circle">
                <img alt="Image placeholder" src="static/images/icon.jpg">
              </span>
              <div class="media-body  ml-2  d-none d-lg-block">
                <span class="mb-0 text-sm  font-weight-bold">{{user}}</span>
              </div>
            </div>
          </a>
          <div class="dropdown-menu  dropdown-menu-right ">
            <div class="dropdown-header noti-title">
```

```
            <h6 class="text-overflow m-0">Welcome!</h6>
          </div>
          <a href="#!" class="dropdown-item">
            <i class="ni ni-single-02"></i>
            <span>My profile</span>
          </a>
          <a href="#!" class="dropdown-item">
            <i class="ni ni-settings-gear-65"></i>
            <span>Settings</span>
          </a>
          <div class="dropdown-divider"></div>
          <a href="/logout" class="dropdown-item">
            <i class="ni ni-user-run"></i>
            <span>Logout</span>
          </a>
        </div>
      </li>
    </ul>
  </div>
 </div>
</nav>
<!-- Header -->
<!-- Header -->
<div class="header bg-primary pb-6">
 <div class="container-fluid">
  <div class="header-body">
   <div class="row align-items-center py-4">
    <div class="col-lg-6 col-7">
     <h6 class="h2 text-white d-inline-block mb-0">Default</h6>
     <nav aria-label="breadcrumb" class="d-none d-md-inline-block ml-md-4">
      <ol class="breadcrumb breadcrumb-links breadcrumb-dark">
```

```
            <li class="breadcrumb-item"><a href="#"><i class="fas fa-home"></i></a></li>
            <li class="breadcrumb-item"><a href="#">Dashboards</a></li>
            <li class="breadcrumb-item active" aria-current="page">Default</li>
          </ol>
        </nav>
      </div>
    </div>
    <!-- Card stats -->
    <div class="login text-center mt-5">
   <h1 style="color:white;"> VISITED ZONES </h1>
   <div class="msg" style="color:white;">{{ msg }}</div>
     <div class="visitedzones" style="color:yellow;">{{ visitedzones }}</div>




  </div>


  <!-- Footer -->
  <footer class="footer pt-0">
   <div class="row align-items-center justify-content-lg-between">
    <div class="col-lg-6">
     <div class="copyright text-center  text-lg-left  text-muted">
      &copy; 2021 <a href="https://www.instagram.com/asuvath.in/" class="font-weight-bold ml-
1" target="_blank">@asuvath.in</a>
     </div>
    </div>
    <div class="col-lg-6">
     <ul class="nav nav-footer justify-content-center justify-content-lg-end">
      <li class="nav-item">
       <a href="/" class="nav-link" target="_blank">About Us.</a>
```

```
            </li>
           </ul>
          </div>
        </div>
      </footer>
    </div>
  </div>
  <!-- Argon Scripts -->
  <!-- Core -->
  <script src="static/vendor/jquery/dist/jquery.min.js"></script>
  <script src="static/vendor/bootstrap/dist/js/bootstrap.bundle.min.js"></script>
  <script src="static/vendor/js-cookie/js.cookie.js"></script>
  <script src="static/vendor/jquery.scrollbar/jquery.scrollbar.min.js"></script>
  <script src="static/vendor/jquery-scroll-lock/dist/jquery-scrollLock.min.js"></script>
  <!-- Optional JS -->
  <script src="static/vendor/chart.js/dist/Chart.min.js"></script>
  <script src="static/vendor/chart.js/dist/Chart.extension.js"></script>
  <!-- Argon JS -->
  <script src="static/js/argon.js?v=1.2.0"></script>
</div>
</div>
</body>

</html>
```

GITHUB LINK: https://github.com/IBM-EPBL/IBM-Project-14663-1659588358