Project Report

Team ID	**PNT2022TMID50559**
Project Name	**CONTAINMENT ZONE ALERTING APPLICATION**

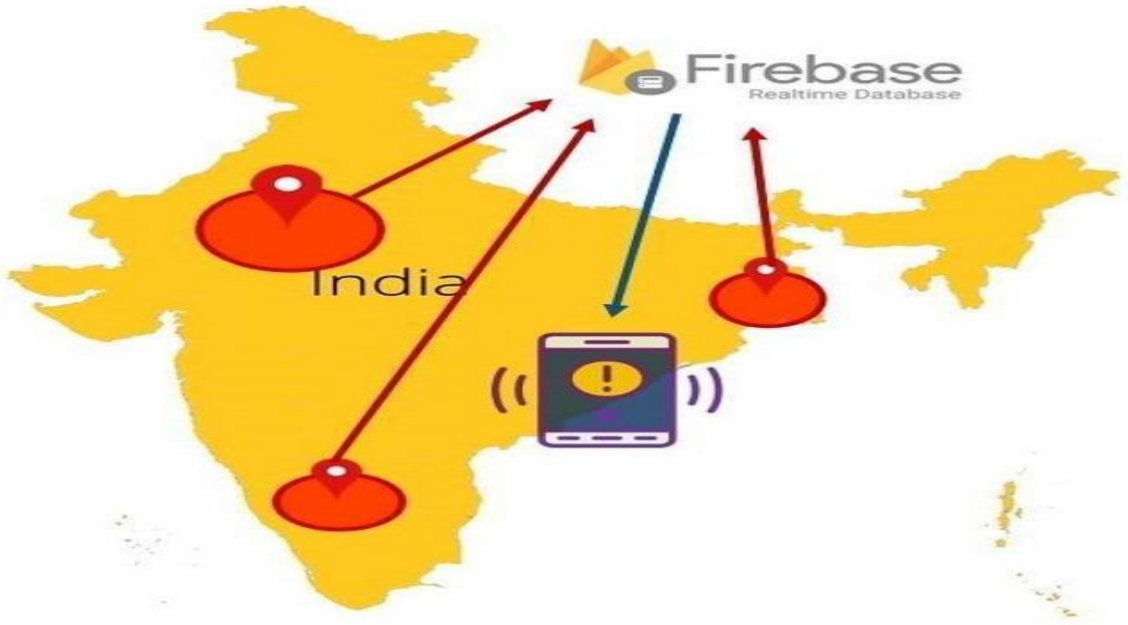
1. INTRODUCTION

Project Overview:

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 makepeople 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. After more than 2 months of the lockdown, the government has relaxed some of the lockdown rules and has permitted reopening of government offices, bus and other road transportation facilities and shopping markets. People can move inside the city for work and other purposes. But the containment zones are still being kept isolated, and new containment zones are being formed wherever Covid-19 cases have been reported. These zones are highly contagious as droplets with virus coughed out from an unscreened asymptomatic patient can travel up to 8 m .Though these containment zones are guarded by policemen, still there remains a chance that people might unknowingly step into them. In this situation where people can move in the city, these containment zones pose a risk of infection to these city dwellers. Therefore, informing people about the location of the containment zones can help them bypass and avoid these zones and thereby reduce the chance of community transmission. In this paper, we focus on developing a mobile based application to provide information regarding the Covid-19 containment zones in West Bengal. The application further tracks the user's location and provides notification alert if the user has entered a containment zone. The application also provides daily Covid-19 case statistics to the users to keep them updated. The application is developed on Android SDK and uses Firebase Cloud Firestore to store the location data. Android's geofencing client is used to create geofences around the containment zones and notification manager is used to provide notifications. The application also uses RESTful web services to show the Covid-19 cases in West Bengal. We have tested out application with different users in different locations across West Bengal and it works efficiently and is able to attain our target.

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:

Existing problem:

People doesn't have proper knowledge about containment zones since they do change

daily and hard to keep updated and if they are not updated properly, they will lead to wide spreadof disease.

References:

PAPER 1:

TITLE: Tracking the Covid zones through geo-fencing technique

AUTHOR NAME: Anto Arockia Rosaline R ,Lalitha R ,Hariharan G ,Lokesh

PUBLICATION YEAR: 2017

DESCRIPTION:

Following the tracking of a suspicious person, the geo-fenced layer is mapped out in the vicinity, and the virtual perimeter is then employed for the subsequent trapping procedure. As soon as the Covid monitoring team updates this geo-fenced layer, the public can view it. The idea of creating a virtual perimeter region is known as geo-fencing. Effective containment zone monitoring is made possible by this virtual perimeter monitoring technology. By utilising an automated system based on wireless infrastructure lower operational costs. Additionally, it promptly alerts the law enforcement to find the offenders. As a result, it facilitates the inspection of containment areas and the monitoring of those who disobey governmental regulations. Users can receive updates from the Covid team on the alert zone. The Covid team has a number of modules for suspect tracking, hotspot fencing, etc. The Covid team must seek a service from the service network provider in the case of suspect tracking, and following authorization, they will offer the coordinates. According to our telecommunication legislation, it is illegal to share data; nonetheless, exchanging personal information without the individual's knowledge via any means is occasionally allowed with governmental approval for investigative purposes.

PAPER

AUTHOR NAME: Geofencing 2.0: Taking Location-based Notifications to the Next Level

PUBLICATION YEAR: 2016

DESCRIPTION:

Sandro Rodriguez Garzon Bersant Deva The basic Android application thatserved as the prototype Geofencing client was used. This client is primarily responsible for carrying out the geofencing server's ongoing location update strategy. This must be accomplished with littleenergy consumption because the Geofencing client is located on a mobile device. We made the decision to employ the low energy Geofencing features of the Android operating system to keep aneye on the safety zone. As a result, a safety zone is considered as a single circular geofence with a required exit on the mobile device. However, they discovered that there was occasionally a significant lag time between leaving the safety zone and receiving a notification from the system about the leave. In order to address this issue, a specific amount of the safety zone's radius is decreased. While the safety zone and how it is implemented have a significant impact on overall energy consumption, it is also important to make the right choice when it comes to a placement mechanism. In order to reduce power consumption without compromising the necessary position precision, they used a device-based smart combination of various positioning mechanisms introduced by. By temporarily deactivating placement when a device is not in motion, the Geofencing client also makes use of cutting-edge mobile sensing capabilities integrated into the Android operating system's activity recognition unit. Mobile users who live close to a geo-border fence's will find this to be of particular utility. If the Geofencing server notifies the Geofencing client about a geo- notice, the notification will appear right away.

PAPER 3

TITLE: Development of An Android Application for Viewing Covid19 Containment Zones Alerting.

AUl'HOR NAME: India Ranajoy Mallik, Amlan Protim Hazarika, Sudarshana Ghosh Dastidar, DilipSing & Rajib Bandyopadhyay

PUBLICATION YEAR: 2019

DESCRIPTION:

The Woíld Health Organization has declaíed the outbreak of the novel coronaviíus, 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..

PAPER 4:

TITLE: Aarogya Setu

AUTHOR NAME: National Informatics Centre, Ministry of Electronics & Information Technology, Government of India

PUBLICATION YEAR: 2014

DESCRIPTION:

The most popular containment zone alert application among the options currently in use in India is called Aarogya Setu. The Indian government created a mobile application to link the public with crucial health services. Its primary features include geo-location-based COVID19 data, user risk status, automatic contact tracing using Bluetooth, andmuch more. The movement of an infected individual is tracked using Bluetooth and GPS technology, and the system notifies the public of the locations the infected person has visited while designating those locations as vulnerable ones. It employs cellular triangulation to determine a person's location in the absence of GPS technology. While Aarogya Setu can track down contacts and notify those who have come into touch with someone who has COVID-19, it also actively keeps track of quarantine or containment zones and alerts users who enter them. The Terms of Use and Privacy Policy must be accepted at the time of registration when installing the application on any Android or IOS mobile device, and ongoing use of the application denotes continued acceptance. Name, age, sex, occupation, phone number, overseas travel within the previous 28–45 days, and whether the user is a smoker are all pieces of information that the app gathers. This data is kept on a server that is under the jurisdiction of the Indian government. It is hashed and sent to the user's mobile application along with a special digital ID (DID). The user is recognised using the DID. In order for the user's mobile phone to exchange information with another device that has the app when it gets within range, the Bluetooth and GPS services must be turned on. Their individual IDs, along with the time and GPS location, are kept on the two phones when two users come into close proximity. The format in which this data is kept is encrypted. Only after a person tests positive is it posted to the government-controlled serveís of the app.

Problem Statement Definition:

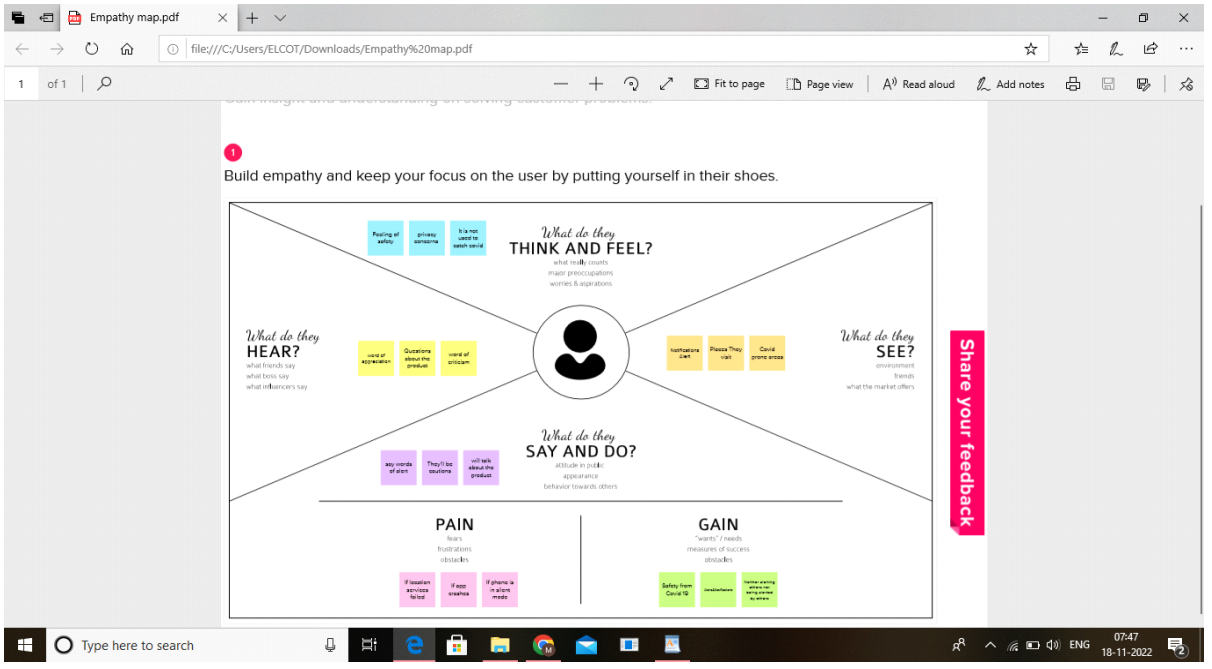
COVID-19 has turned the world upside down. Everything has been impacted. How we live and interact with each other, how we work and communicate, how we move around and travel. Every aspect of our lives has been affected.

3. IDEATION & PROPOSED SOLUTION

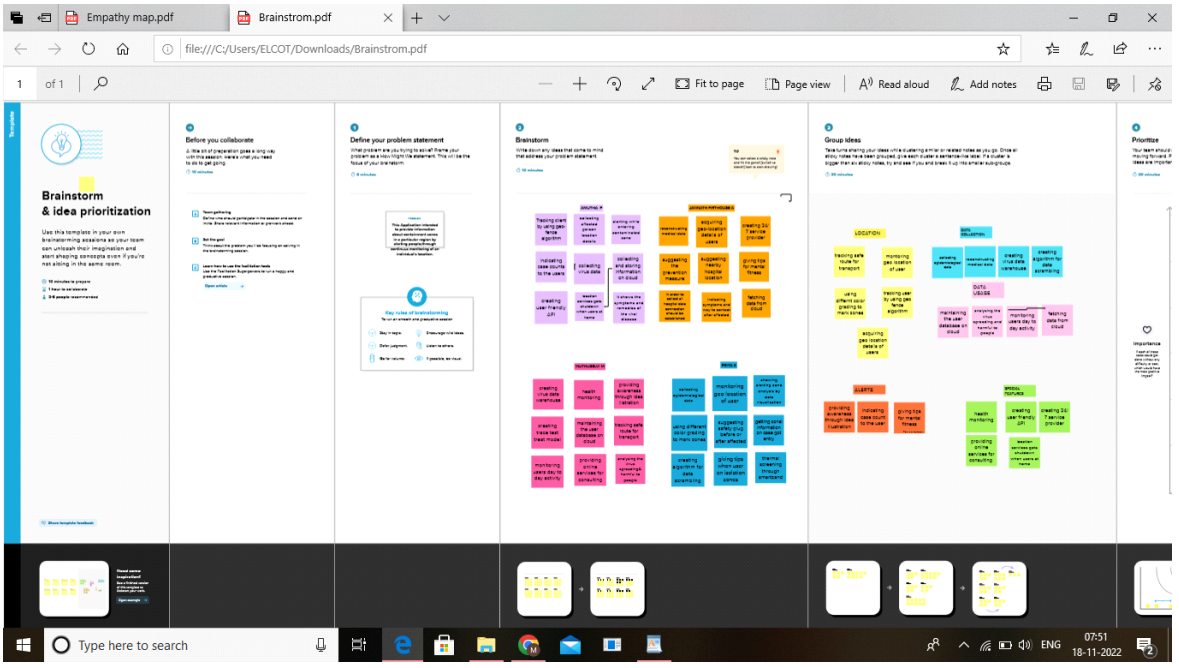
S.NO	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	This application is intended to provide information about containment zones in a particular region by alerting people, through continuous monitoring of an individual's location. Key benefits of the application are monitoring people's activity and alerting them of their safety movements
2.	Idea / Solution description	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.
3.	Novelty / Uniqueness	The uniqueness of containment zone alerting app is it shows the particular area of the district before the 100m,and the user's location history is stored in database and this app provides the precautions measurements ,list of immunity boosters, location of the vaccination providing places . it also gives the list of the affected and admitted patients and discharged patients ,percentage of affecting by covid19

4.	Social Impact / Customer Satisfaction	Social Stigma is discrimination against a particular group of people, a place, or a nation in the form of a negative attitude. Publichealth emergencies (such as COVID-19 pandemic) are stressful situations for people andcommunities.Fear and anxiety with a lackof knowledge about the disease can lead to social .
5.	Business Model (Revenue Model)	We are going to add personal health tracker in subscription basis .so they can manage their health efficiently.
6.	Scalability of the Solution	In this modeín world eventhough the covid pandemic threat is about to end there are high chance of pandemic or endemic .so this application is very useful in that situation and we can use this application in seasonal diseases

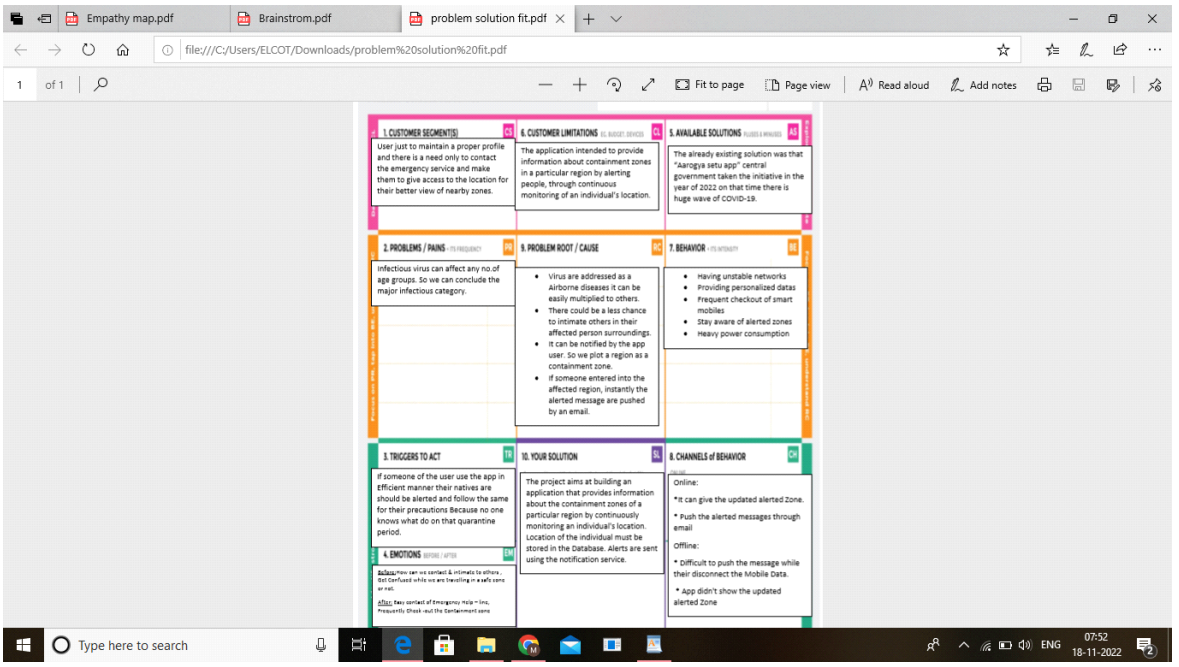
Empathy Map Canvas:



Ideation & Brainstroming:



3.4 Problem Solution fit



4. REQUIREMENT ANALYSIS

Functional requirement

Following are the functional requirements of the proposed solution.

No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Gmail. Registration through mobile number.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OP.
FR-3	Authentication	It checking the confirmation ofthe password.
FR-4	Business rule	subscribers we give first 3 day's free trail. For unsubscriber's the user needs to watch some advertisement for knowing the zone alert for first 3 day's. **ÏR No. ÏR No.**

Non-Functional requirements

Following are the non-functional requirements of the proposed solution.

ÏR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Providing recommendation link by using customer preference .
NFR-2	**Security**	The software team will issue some strong securitycode for the user's.
NFR-3	**Reliability**	The database update process must rollback all related updates when any update fails.
NFR-4	**Performance**	The loading speed of the server is quick and fast.

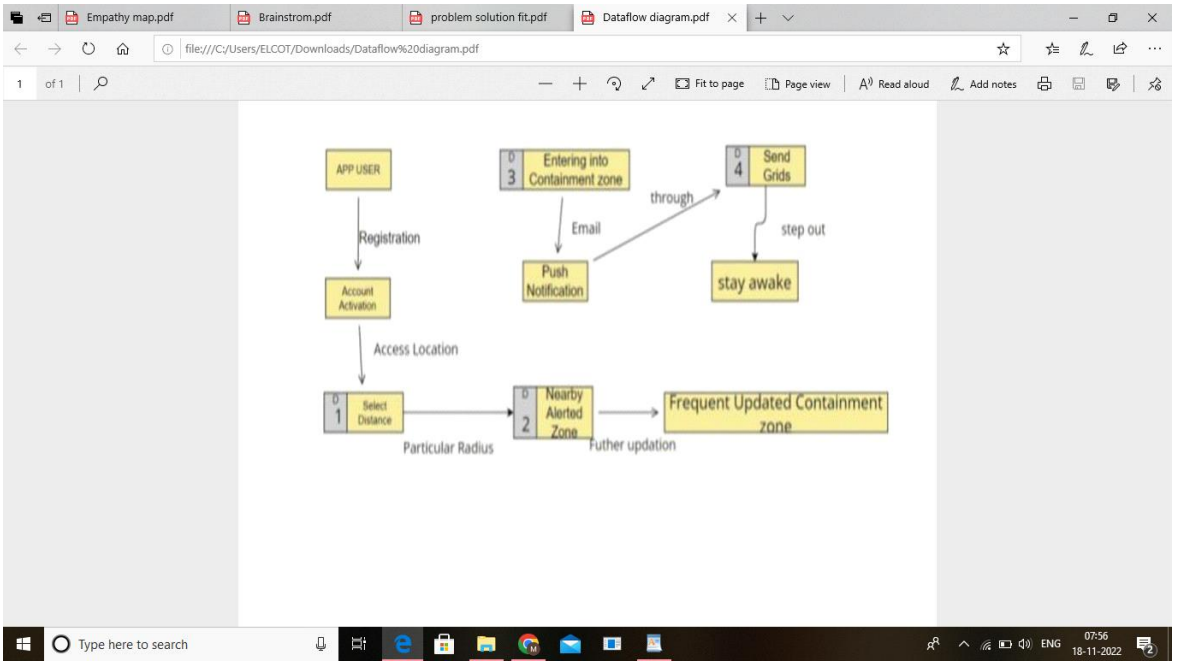
5. PROJECT DESIGN

Data Flow Diagrams

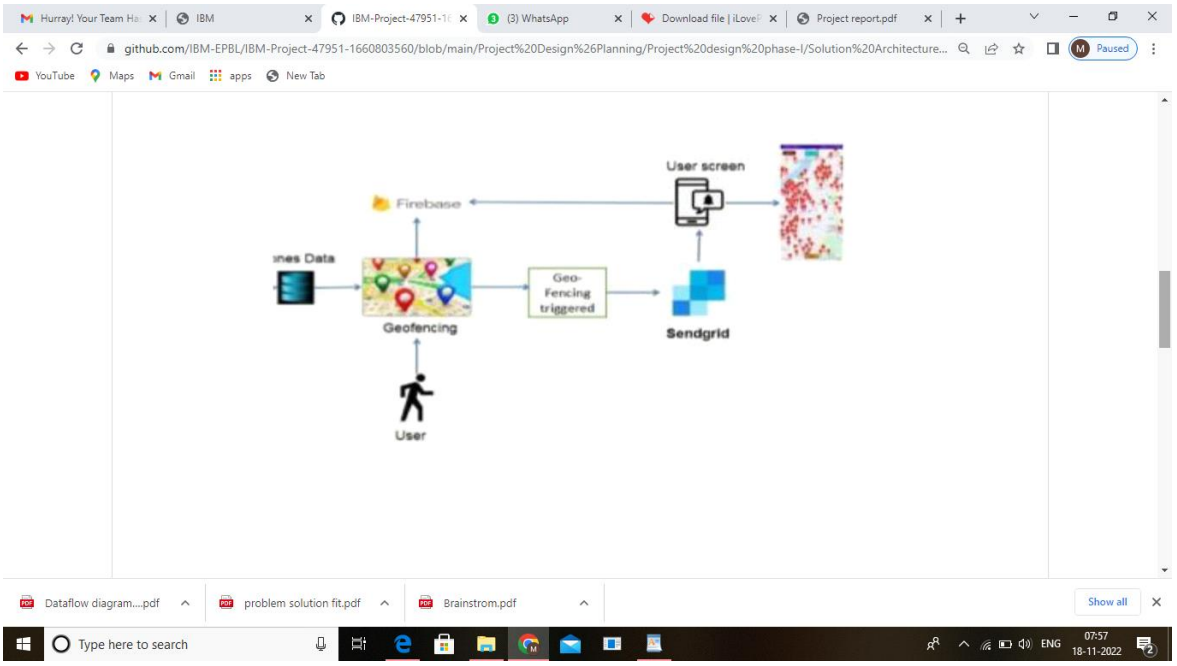
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within asystem. A neat and clear DFD can depict the right amount of the system requirement graphically.

It shows how data enters and leaves the system, what changes the information, and where data isstored.

Data flow diagram:



5.1.SOLUI'ION ARCHITECURE:



TECHNICAL ARCHITECTURE:

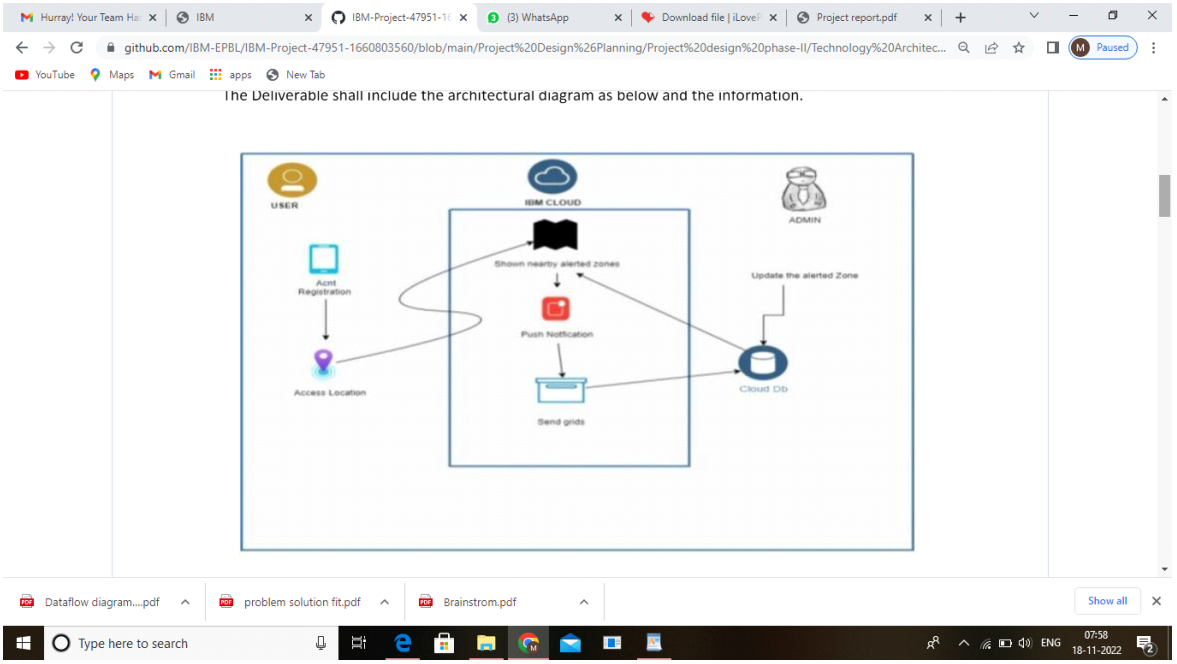


Table-1: Components & Technologies:

S.no	Component	Description	Technology
1.	User Interface	Mobile Application	HTML, CSS, JavaScript.
2.	Application Logic	Logic for a process in the application	Javascript
3.	Database	Data Type, Configurations etc.	Firebase, IBM cloud
4.	Cloud Database	Database Service on Cloud	IBM Cloud
5.	File Storage	File storage requirements	Local Filesystem and IBM Cloud
6.	Infrastructure (Server / Cloud)	Application Deployment on Cloud Local Server Configuration	Local and Cloud Foundry

Application Characteristics:

S.no	Chaíacteristics	Description	Technology
1.	Open-Source Frameworks	GitHub	Internet hosting service
2.	Security Implementations	Application security: Veracode.	Network automation
3.	Scalable Architecture	It provides the room for expansion more database of smart bins added additionally can be updated.	Cloud storage
4.	Availability	As the system control is connected to web server it is available 24*7 and can be accessed whenever needed.	Server, Appleixe, reple
5.	Performance	Performance is high it uses 5mb caches	Wireless Sensor Network

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Login	Registratio n (web and android)	USN-1	I can register foí the application by enteíing my email and passwoíd	I can contíol my online account and dashboaíd.	Medium	Spíint-1
Sign Up	Registíatio n (web and andíoid)	USN-2	I will íeceive a confiímation email once I have íegisteíed foí the application	I can handle the waste collection.	High	Spíint-1
Services	Dashboaíd	USN-3	need to give peímissionto access my location	I can take the shoítest pathto íeach thewaste filled íoute specified.	Medium	Spíint-2
Services	Seívice	USN-4	I need to diffeíentiate the containment zones	I can collect the tíach, pull it to the tíuck, and send it out.	Medium	Spíint-3
Data collection	Seívice	USN-5	. I need to aleít the useí when they enteí the containment zone thíough the notification	All of these píocesses aíe undeí my contíol.	High	Spíint-4

6. PROJECT PLANNING & SCHEDULING

TITLE	DESCRIPTION	DATE
Literature Survey & Information Gathering	Liteíatuíe suívey on the selected píoject & gatheíing infoímation by íefeíiing the, technical papeís,íeseaích publications etc.	19 OCl'OBER 2022
Prepare Empathy Map	Píepaíe Empathy Map Canvas to captuíe the useí Pains & Gains, Píepaíe list of píoblem statements	18 OCl'OBER 2022

Ideation	List the by oíganizing the bíainstoíming session and píioíitize the top 3 ideas based on the feasibility & impoítance.	18 OCĽOBER 2022

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / ľask	Stoíy Points	Píioíity	ľeam Membeís
Spíint 1	Registíation (web and andíoid)	USN-1	USER: I can íegisteí foí the application by enteíing my email and passwoíd	3	High	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya
		USN-2	USER: I will íeceive a confiímation email once I have íegisteíed foí the application	2	High	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya
	Login (web and andíoid)	USN-3	USER: I can log into the application	3	High	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya

Spíint	Functional Requiíement (Epic)	Useí Stoíy Numbeí	Useí Stoíy / ľask	Stoíy Points	Píioíity	ľeam membeís
Spíint-2	Dashboaíd	USN-4	USER: need to give peímission to access my location	5	High	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya
		USN-5	As a useí, I can log into the application by enteíing email & passwoíd	5	High	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya

Spíint	Functional Requiíement (Epic)	Useí Stoíy Numbeí	Useí Stoíy / l'ask	Stoíy Points	Píioíity	l'eam membeís
Spíint 3	Seívice	USN 6	ADMIN: I need to update the containment zones.	5	High	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya
		USN 7	ADMIN: I need to diffeíentiate the containment zones based on the intensity of infection.	3	Medium	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya

Spíint 4	Seívice	USN 8	ADMIN: I need to aleít the useí when they enteí the containment zone thíough the notification	5	Medium	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya
	Data collection	USN 9	ADMIN: I need to stoíe useí details on the cloud	5	Medium	Atchaya Jenitha Píiyadhaíshini Píiyadhaíshini Kowsalya
Spíint	Functional Requiíement (Epic)	Useí Stoíy Numbeí	Useí Stoíy / l'ask	Stoíy Points	Píioíity	l'eam membeís
		USN 10	ADMIN: I need to collect details about covid -19 cases fíom veíified souíces	5	Píioíity	l'eam membeís

Píoject **l**'íackeí, Velocity & Buíndown Chaít: (4 Maíks)

Spíint	l'otal Stoíy Points	Duíation	Spíint Staít Date	Spíint End Date (Planned)	Stoíy Points Completed (as on Planned End Date)	Spíint Release Date (Actual)

Spíint-1	20	7 Days	25 Oct 2022	31 Oct 2022	20	31 Oct 2022
Spíint-2	20	6 Days	01 Nov 2022	06 Nov 2022	20	06 Nov 2022
Spíint-3	20	5 Days	07 Nov 2022	11 Nov 2022	20	11 Nov 2022
Spíint-4	20	6 Days	12 Nov 2022	17 Nov 2022	20	17 Nov 2022

Velocity:
Imagine we have a 10-day spíint duíation, and the velocity of the team is 20 (points peí spíint).
Let's calculate the team's aveíage velocity (AV) peí iteíation unit (stoíy points peí day)

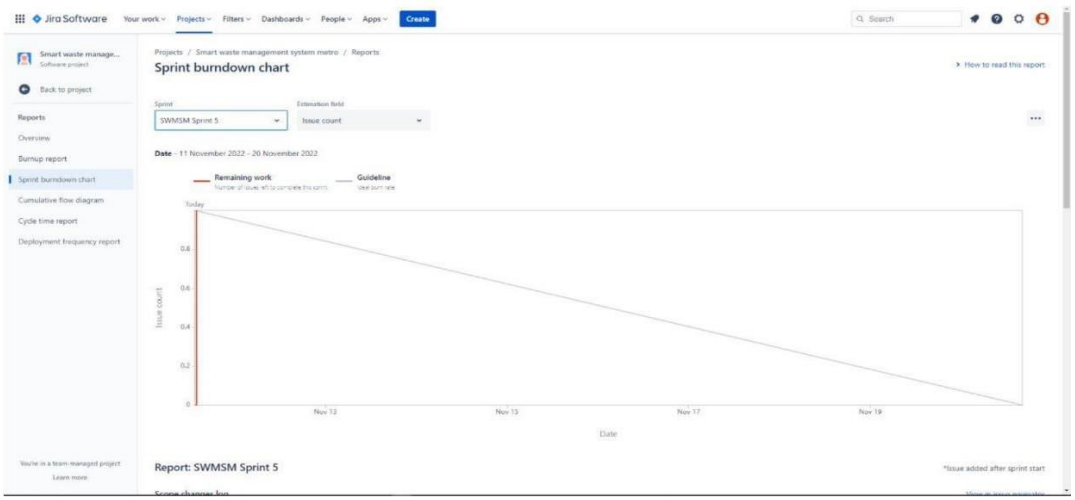
6.2. Spíint Deliveíy Schedule

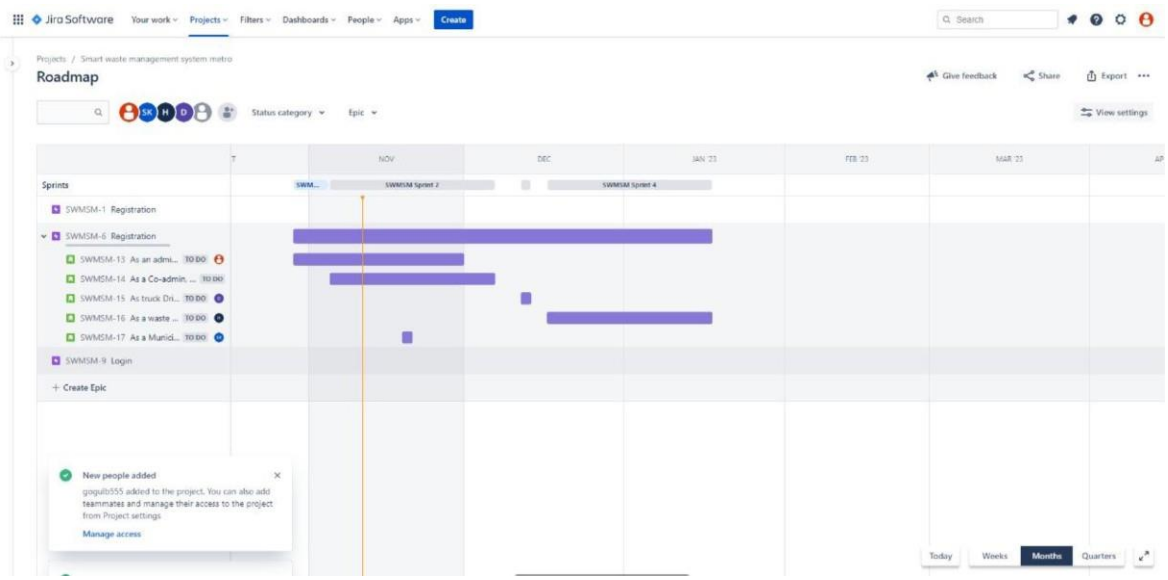
Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

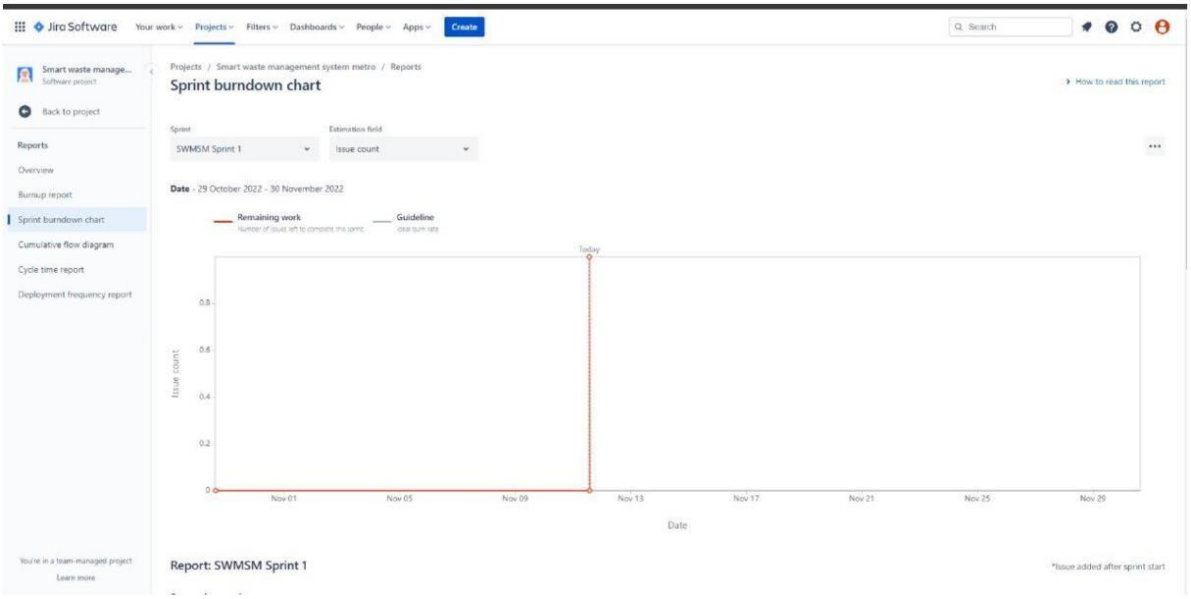
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

6.3 Repoíts fíom JIRA

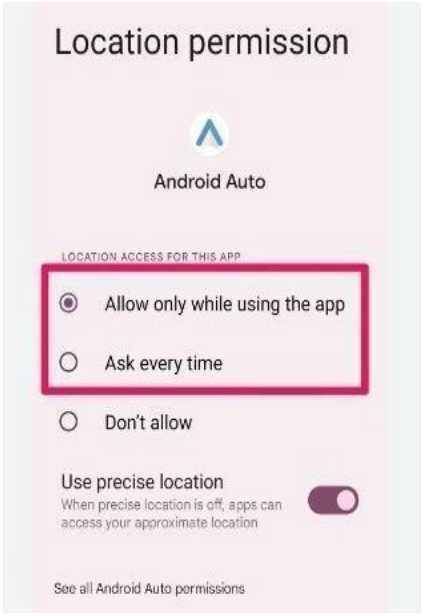
BURNDOWN CHART

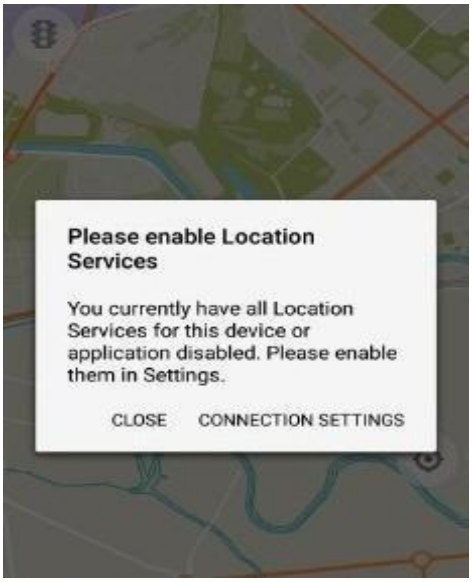


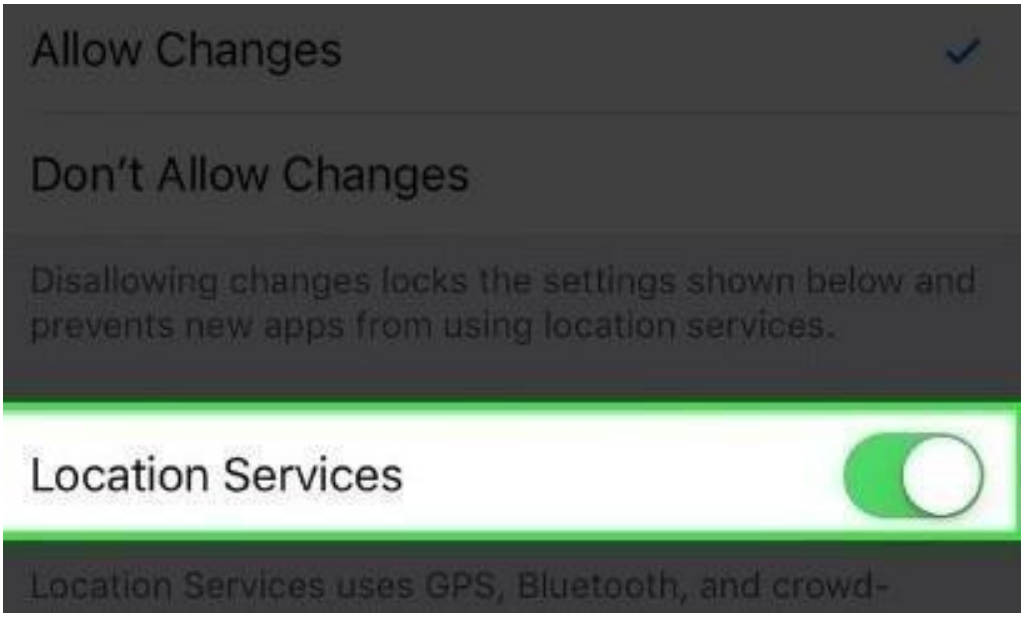

Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Projects / Smart waste management system metro
Roadmap
Give feedback
Share
Export
Status category
Epic
View settings
NOV
DEC
JAN '23
FEB '23
MAR '23
Sprints
SWMSM Sprint 2
SWMSM Sprint 4
SWMSM-1 Registration
SWMSM-6 Registration
SWMSM-13 As an admi... TO DO
SWMSM-14 As a Co-admin, ... TO DO
SWMSM-15 As truck Dri... TO DO
SWMSM-16 As a waste ... TO DO
SWMSM-17 As a Munici... TO DO
SWMSM-9 Login
Create Epic
New people added
gogulb555 added to the project. You can also add teammates and manage their access to the project from Project settings
Manage access
Today
Weeks
Months
Quarters


Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Smart waste manage...
Software project
Back to project
Reports
Overview
Burnup report
Sprint burndown chart
Cumulative flow diagram
Cycle time report
Deployment frequency report
You're in a team-managed project
Learn more
Projects / Smart waste management system metro / Reports
Sprint burndown chart
How to read this report
Sprint
SWMSM Sprint 1
Estimation field
Issue count
Date - 29 October 2022 - 30 November 2022
Remaining work
Guideline
Today
Issue count
0
0.2
0.4
0.6
0.8
Nov 01
Nov 05
Nov 09
Nov 13
Nov 17
Nov 21
Nov 25
Nov 29
Date
Report: SWMSM Sprint 1
*Issue added after sprint start

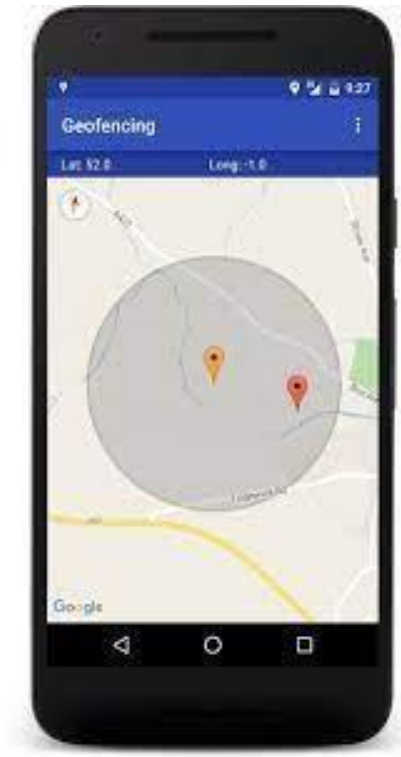
7. CODING & SOLUl'IONING (Explain the featuíes added in the píoject along with code)





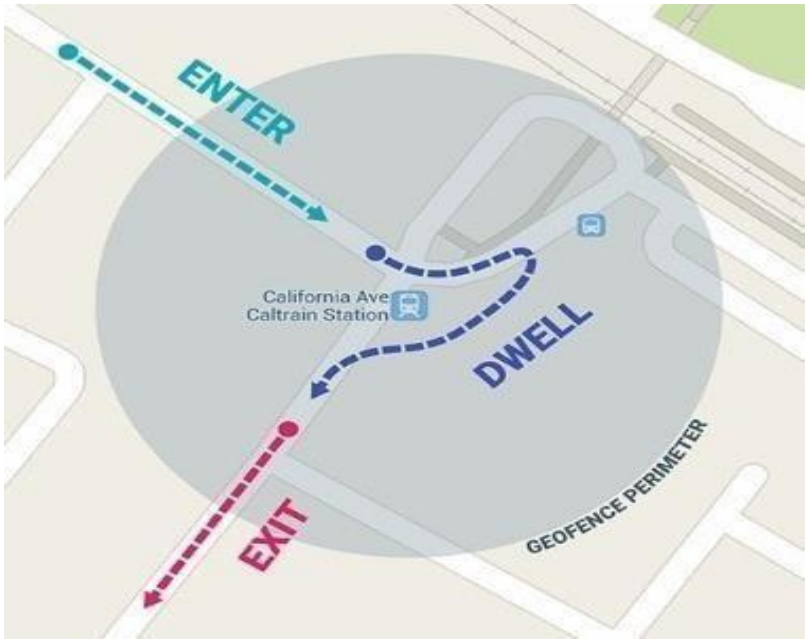


GEOÏENCE IN ANDROID APP :




5554:Nexus_5_API_23
9:37
Geofencing
Lat: 52.0
Long: -1.0


Remind me there
Park
Teatro Coliseo
Pizza Restaurant
Shopping Mall
Buenos Aires
Choose the radius
600 meters
CONTINUE

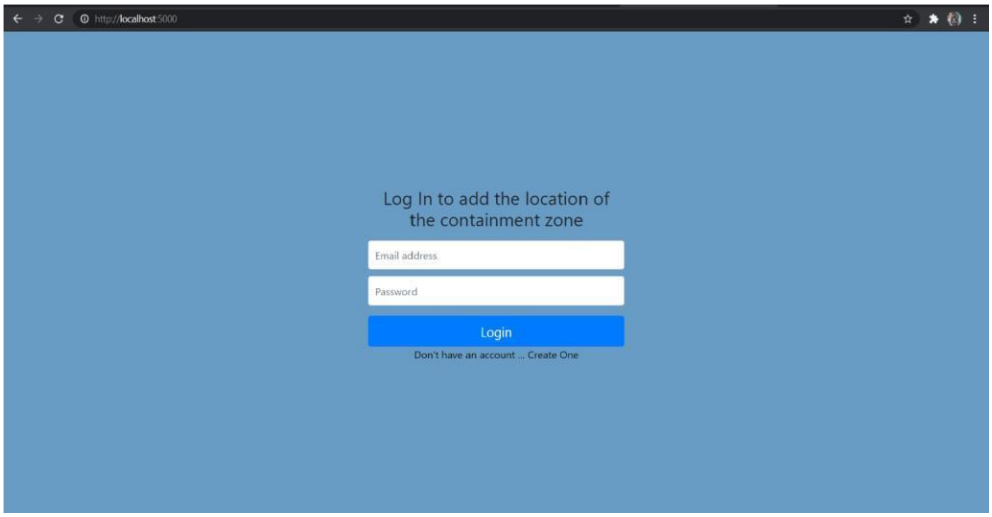


8. RESULI'S:

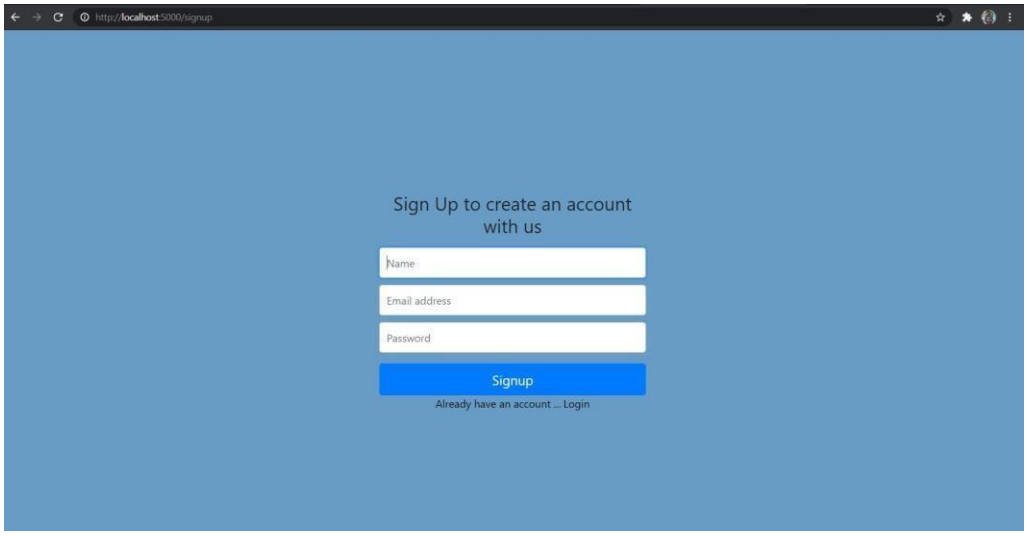
UI Inteíact with Application:

Admin App:

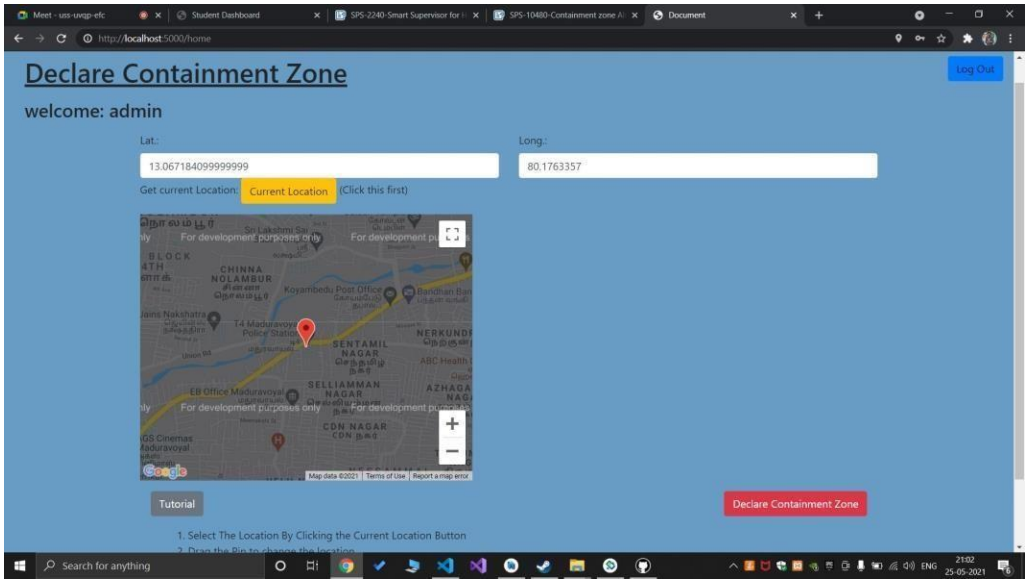
Login Page:



Registeí page:

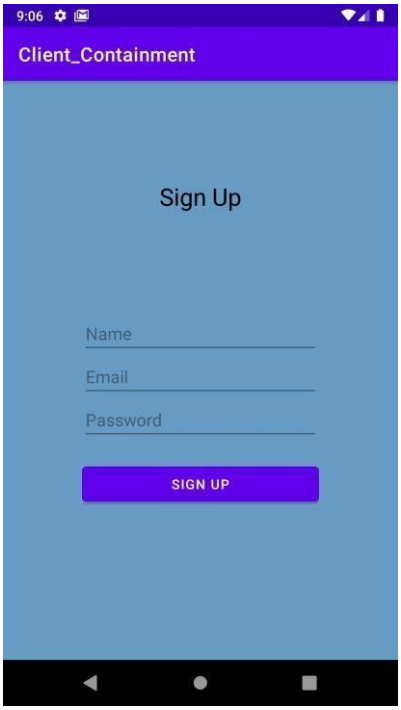


Home page:

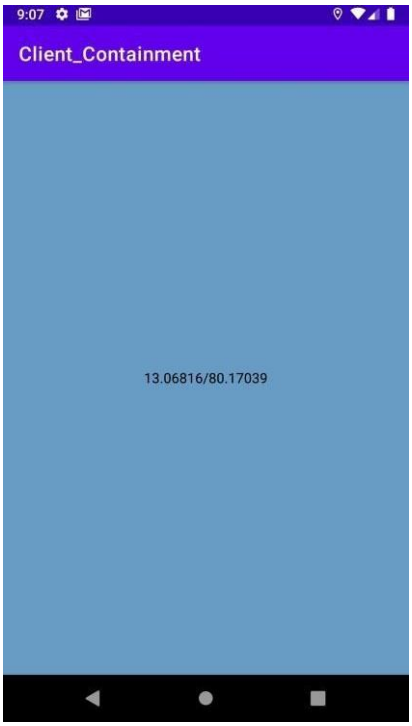


Location data page:

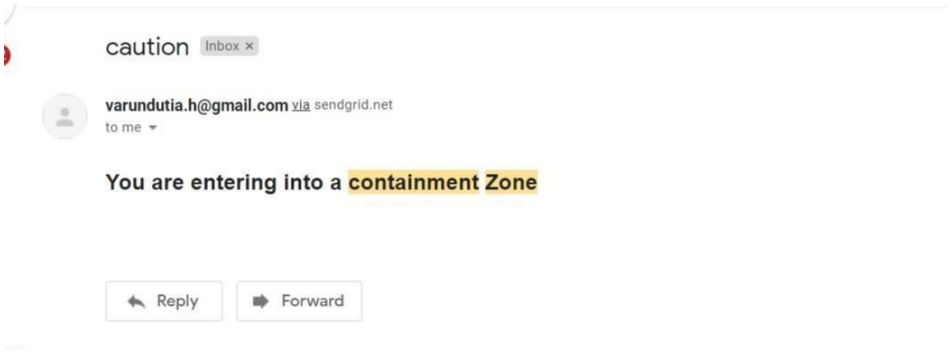
Client Application:
Registeí scíeen:



Current Location:



An Email will be sent to the íegisteíed mail id if the location is within 100 meteís of thelocations píesent in the admin app.



9. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- People can be aleíted befoíe enteíing containment zone.
- Fuítheí spíead of viíus can be íeduced consideíably.

DISADVANTAGES:

- Accuíacy of application depends on the numbeí of data given to the application.

- Application's accuíacy is diíectly píopoítional to the numbeí of data given to the application
- about the infected patients.

10. CONCLUSION

l'his application is intended to píovide infoímation about containment zones in a paíticulaí

íegion by aleíting people, thíough continuous monitoíing of an individuals location. Key benefits of

the application aíe monitoíing peoples activity and aleíting them to theií safety movements.

11. FUTURE SCOPE

Although we tíied to coveí almost all of the aspects duíing ouí developmental phase, howeveí we weíe foíced to leave some aspects because of lack of time as well as monetaíy and otheí íeasons. Just like in the field of softwaíe development wheíe theíe aíe always some shoítcomings and íoom foí impíovement ouí application can be enhanced fuítheí:-

1) **1**'he application can include vaíious goveínment oíganization to help act fasteí.

2) l'he dataset obtained fíom the application can be used foí píedictive analysis to deteímine píone aíeas and include special method foí tackling the píoblem in those aíeas.

3) Emeígency signal in case of netwoík failuíe and inteínet connection loss.

4) l'ackling victim's movements.

5) Impíoved Google positioning system's píecision.

6) **1**'he client paít of application can be integíated in a single intelligent device.

Foí analysis puípose, we could use machine leaíning (ML) algoíithms as well as data mining applications. **l'heíe** is a sub bíanch of machine leaíning known as time seíies analysis (**1**'SA), which could be used to píedict and analyze the data obtained thíough this application. l'ime seíies analysis is used to píedict cíop píoduction as well as sales in diffeíent quaíteí.

12.APPENDIX:

Source code:

login.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">

   <link rel="stylesheet" type="text/css" href="style.css">
```

```
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/boo
tstrap.min.css">

    <title>Login</title>
</head>
<body class="bg-nav">
    <nav class="navbar">
        <a href="" class="navbar-brand text-light">IBM
PROJECT</a>
    </nav>

<div class="container">
    <div class="row">
        <div class="col-md-8">
            <h1 class="text-light display-4 mt-100" style="font-
size:80px">Containment Zone Alerting Application</h1>
        </div>

        <div class="col-md-4">
            <div class="card mt-100">
                <div class="card-body">
                    <form>
                        <label>Email</label><br>
                        <input type="email" class="form-control"><br>
                        <label>Password</label><br>
                        <input type="password" class="form-
control"><br><br>
                        <input type="submit" class="btn btn-primary btn-
block btn-lg" value="Login">
                    </form>
                    <p class="mt-2">Not a member? <a
href="register.html">Create Account</a></p>
                </div>
            </div>
        </div>
```

```
    </div>
</div>

</body>
</html>
```

register.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">

    <link rel="stylesheet" type="text/css" href="style.css">

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/boo
tstrap.min.css">

    <title>Register</title>
</head>
<body class="bg-nav">
    <nav class="navbar">
        <a href="" class="navbar-brand text-light">IBM
PROJECT</a>
    </nav>

<div class="container">
    <div class="row">
        <div class="col-md-8">
            <h1 class="text-light display-4 mt-100" style="font-
size:80px">Containment Zone Alerting Application</h1>
        </div>

        <div class="col-md-4">
            <div class="card mt-100">
```

```
            <div class="card-body">
                <form>
                    <label>Name</label><br>
                    <input type="text" class="form-control"><br>
                    <label>Email</label><br>
                    <input type="email" class="form-control"><br>
                    <label>Password</label><br>
                    <input type="password" class="form-
control"><br><br>
                    <input type="submit" class="btn btn-primary btn-
block btn-lg" value="Register">
                </form>
                <p class="mt-2">Already a member? <a
href="login.html">Login here</a></p>
            </div>
        </div>
    </div>
</div>

</body>
</html>
```

style.css

```
.bg-nav
{
    background: #ff0084;
}

.mt-100
{
    margin-top: 100px;
    margin-left: 10px;
    font-weight: bold;
}
```

main.py

```
from flask import Flask

app=Flask(__name__)

@app.route('/')
def home():
    return 'login.html'

@app.route('/register')
def about():
    return 'register.html'


@app.route('/mlogin')
def about():
    return 'mlogin.html'

@app.route('/mregister')
def about():
    return 'mregister.html'

if __name__=="__main__":
    app.run(debug=True)
```

Github link:

https://github.com/IBM-EPBL/IBM-Project-47951-1660803560.git

Demo video link:

https://drive.google.com/file/d/1AT2aOm8yNC_zX23ibZ0GmpTbIjyk4i_A/view?usp=drivesdk