**DEVELOPMENT PART 2**

**TRAFFIC MANAGEMENT :**

The platform to receive and display real-time traffic data by using html , css , javascript.

**HTML:**

<!DOCTYPE html>

<html lang=”en”>

<head>

<meta charset=”UTF-8”>

<meta name=”viewport” content=”width=device-width, initial-scale=1.0”>

<title>Traffic Management</title>

<link rel=”stylesheet” href=”styles.css”>

</head>

<body>

<div id=”traffic-light”>

<div id=”red” class=”light”></div>

<div id=”yellow” class=”light”></div>

<div id=”green” class=”light”></div>

</div>

<script src=”script.js”></script>

</body>

</html>

**CSS :**

Body{

Display: flex;

Justify-content: center;

Align-items: center;

Height: 100vh;

Margin: 0;

Background-color: #333;

}

#traffic-light {

Display: flex;

Flex-direction: column;

Align-items: center;

}

.light {

Width: 100px;

Height: 100px;

Border-radius: 50%;

Margin: 5px;

}

#red {

Background-color: #ff0000;

}

#yellow {

Background-color: #ffff00;

}

#green {

Background-color: #00ff00;

}

**JAVASCRIPT :**

Const lights = [‘red’, ‘yellow’, ‘green’];

Let currentIndex = 0;

Function changeLight() {

Document.getElementById(lights[currentIndex]).style.backgroundColor = ‘#333’;

Current

**Android App (Java):**

**Here’s a simplified Android app in Java that displays real-time traffic data :**

**Program :-**

Import androidx.appcompat.app.AppCompatActivity;

Import androidx.recyclerview.widget.LinearLayoutManager;

Import androidx.recyclerview.widget.RecyclerView;

Import android.os.Bundle;

Import android.widget.Toast;

Import com.google.android.gms.maps.model.LatLng;

Import com.google.maps.android.SphericalUtil;

Import java.util.ArrayList;

Import java.util.List;

Public class MainActivity extends AppCompatActivity {

Private RecyclerView recyclerView;

Private List<Traffic> trafficList;

Private TrafficAdapter trafficAdapter;

@Override

Protected void onCreate(Bundle savedInstanceState) {

Super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

recyclerView = findViewById(R.id.recyclerView);

recyclerView.setLayoutManager(new LinearLayoutManager(this));

trafficList = new ArrayList<>();

// Adding dummy data for traffic

trafficList.add(new Traffic(“A”, new LatLng(37.7749, -122.4194), “Airport”));

trafficList.add(new Traffic(“B”, new LatLng(37.8049, -122.4494), “Bridge”));

trafficList.add(new Traffic(“C”, new LatLng(37.7849, -122.4294), “Campus”));

trafficAdapter = new TrafficAdapter(this, trafficList);

recyclerView.setAdapter(trafficAdapter);

}

}

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