PROJECT DEVELOPMENT PHASE

SPRINT 2

Team ID	PNT2022TMID44448
Project Name	Signs with smart connectivity for better road safety

- Login codes
- Safety Introduction code
- Sign in codes
- Build . gradle

CODE :

1.Login

```
<?php

$pass=$_POST['password'];
$username=$_POST['username'];
$dbc = mysqli_connect('mysql.hostinger.in', 'u684030433_root', 'fastrack',
'u684030433_blood')
or
die("error connecting database");
$query = "SELECT username,name FROM user_info WHERE ((username =
'$username' OR
email='$username' )AND password ='$pass')";
$data = mysqli_query($dbc, $query);
if (mysqli_num_rows($data) == 1) {
$name=array();
while($row=mysqli_fetch_array($data))
{
$name[]=$row['name'];
}
```

```
  print json_encode($name);
  }
  else
  {
  echo "Wrong";
  }mysqli_close($dbc);
?>
```

2. Safety ntroduction

```
  <?php
  $lat1="";
  $lat2="";
  $lng1="";
  $lng2="";
  function distance($lat1, $lng1, $lat2, $lng2) {
  $theta = $lng1 - $lng2;
  $dist = sin(deg2rad($lat1)) * sin(deg2rad($lat2)) + cos(deg2rad($lat1)) *
  cos(deg2rad($lat2)) *
  cos(deg2rad($theta));
  $dist = acos($dist);
  $dist = rad2deg($dist);
  $miles = $dist * 60 * 1.1515;
  return ($miles * 1.609344*1000);
  }
  if($_GET['username'])
  {
  $username=$_GET['username'];
  $lat1=(double)$_GET['lat'];
  $lng1=(double)$_GET['lng'];
  $dbc = mysqli_connect('localhost', 'root', '', 'roadsafety');
  // Retrieve the score data from MySQL
```

```
$query = "UPDATE user_info SET lat='$lat1',lng='$lng1' WHERE (username =
'$username')";
mysqli_query($dbc, $query)
or die('Error querying database.');
$query = "SELECT lat,lng FROM user_info WHERE username='$username'";
$data = mysqli_query($dbc, $query);
while ($row = mysqli_fetch_array($data)) {
$lat1= $row['lat'];
$lng1= $row['lng'];
}
$query1 = "SELECT * FROM details";
$result = mysqli_query($dbc, $query1);
$i=0;
$data1=array();
while ($row = mysqli_fetch_array($result, MYSQL_ASSOC)) {
$lat2= $row['lat'];
$lng2= $row['lng'];$dist=distance($lat1, $lng1, $lat2, $lng2);
if( $dist<=990)
{
$data1[] = $row;
$data1[$i]['metres']=$dist;
$i++;
}
}
echo json_encode($data1);
mysqli_close($dbc);
}
?>
```

3. Signin codes

```
<?php
$email= $_POST['email'];
$pass=$_POST['password'];
$name=$_POST['name'];
```

```
$username=$_POST['username'];
$pno=(double)$_POST['pno'];
$bloodgroup=$_POST['bloodgroup'];
$dbc = mysqli_connect('mysql.hostinger.in', 'u684030433_root', 'fastrack',
'u684030433_blood')
or
die("error connecting database");
$query = "SELECT * FROM user_info WHERE (username = '$username' OR
email='$email'
OR pno='$pno')";
$data = mysqli_query($dbc, $query);
if (mysqli_num_rows($data) == 0) {
$query = "INSERT INTO user_info
(username,password,email,pno,bloodgroup,name)
VALUES ('$username', '$pass', '$email','$pno','$bloodgroup','$name')";
mysqli_query($dbc, $query)
or die('Error querying database.');
echo 'User Signed Up successfully!!.';
}
else
{
echo "Account already exists for this credentials...";
}
mysqli_close($dbc);
?>
```

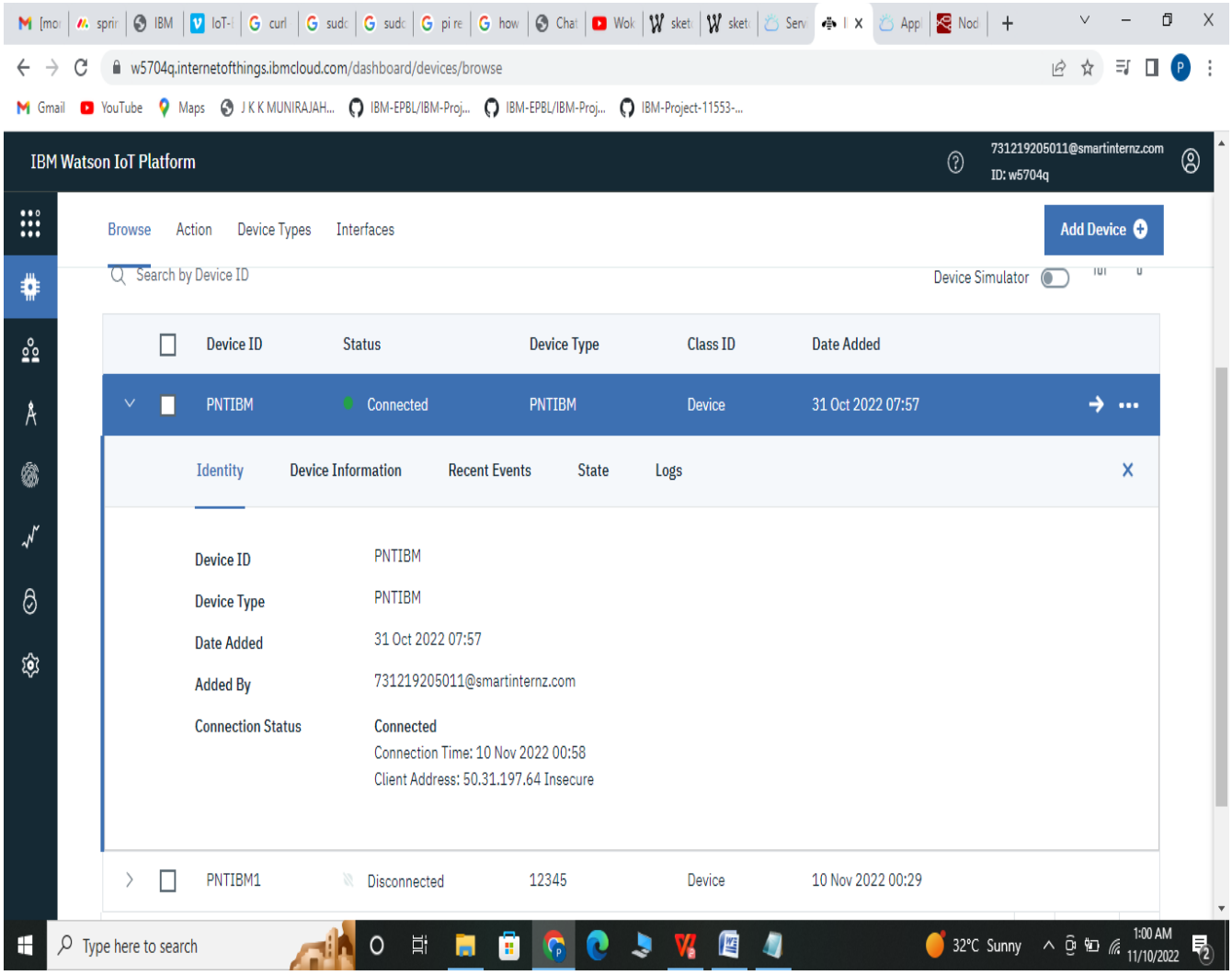
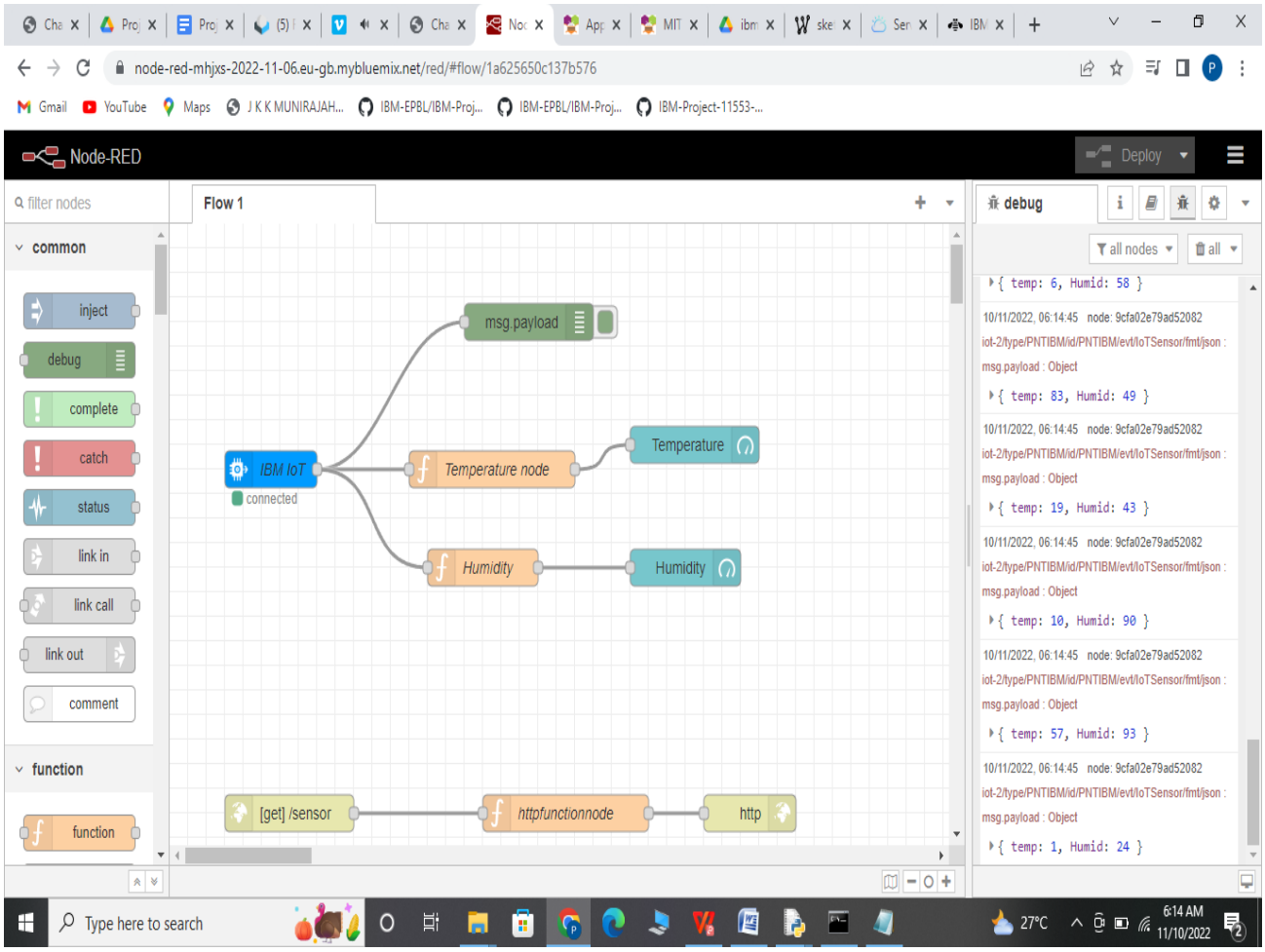
4 build.gradle

```
def localProperties = new Properties()
def localPropertiesFile = rootProject.file('local.properties')
if (localPropertiesFile.exists()) {
localPropertiesFile.withReader('UTF-8') { reader ->
localProperties.load(reader)
}
}
```

```
def flutterRoot = localProperties.getProperty('flutter.sdk')
if (flutterRoot == null) {
throw new GradleException("Flutter SDK not found. Define location with flutter.sdk
in the
local.properties file.")
}
def flutterVersionCode = localProperties.getProperty('flutter.versionCode')
if (flutterVersionCode == null) {
flutterVersionCode = '1'
}
def flutterVersionName = localProperties.getProperty('flutter.versionName')
if (flutterVersionName == null) {
flutterVersionName = '1.0'
}
apply plugin: 'com.android.application'
apply plugin: 'com.google.gms.google-services'
apply plugin: 'kotlin-android'
apply from: "$flutterRoot/packages/flutter_tools/gradle/flutter.gradle"
android {
compileSdkVersion 28
sourceSets {
main.java.srcDirs += 'src/main/kotlin'
}
lintOptions {
disable 'InvalidPackage'
}
defaultConfig {// TODO: Specify your own unique Application ID
(https://developer.android.com/studio/build/application-id.html).
applicationId "com.example.roads"
minSdkVersion 18
targetSdkVersion 28
multiDexEnabled true
versionCode flutterVersionCode.toInteger()
versionName flutterVersionName
buildConfigField 'String', 'WONDERPUSH_CLIENT_ID',
```

```
  '"1dfce26a84bd50a2b2117ae3a65df6f3d08821cb"'
  buildConfigField 'String', 'WONDERPUSH_CLIENT_SECRET',
  '"d490ca2368fb19536c8e5afc370d18e9002a5034bf14e13e4b4a9228dd39c5a0"'
  buildConfigField 'String', 'WONDERPUSH_SENDER_ID', '"1098204096327"'
  }
  buildTypes {
  release {
  // TODO: Add your own signing config for the release build.
  // Signing with the debug keys for now, so `flutter run --release` works.
  signingConfig signingConfigs.debug
  }
  }
  }
  flutter {
  source '../..'
  }
  dependencies {
  implementation "org.jetbrains.kotlin:kotlin-stdlib-jdk7:$kotlin_version"
  implementation platform('com.google.firebase:firebase-bom:26.1.0')
  implementation 'com.google.firebase:firebase-analytics'
  def multidex_version = "2.0.1"
  implementation 'androidx.multidex:multidex:$multidex_version'
}
```

IBM Watson IOT Platform Device ID Created :



Workflow of IOT scenarios Using Node-RED