Alert Notification

Date	18 November 2022
Team ID	PNT2022TMID03720
Project Name	IOT based safety gadget for Child Safety Monitoring and Notification
TEAM LEADER	SIVARANJINI.M
TEAM MEMBERS	MONISHA.E THEERTHIKA.R SUVEDHA.P

```
package com.example.geofence;


import
android.content.BroadcastReceiver;
import android.content.Context; import
android.content.Intent; import
android.location.Location; import
android.os.CountDownTimer; import
android.util.Log;
import android.widget.Toast; import
com.google.android.gms.location.Geofence; import
com.google.android.gms.location.GeofencingEvent;
```

```
import java.util.List;
import
android.os.Handler;
public class
GeofenceBroadcastReceiv
er extends
BroadcastReceiver {

private static final String TAG = "GeofenceBroadcastReceiv";

@Override
public void onReceive(Context context, Intent intent) {
// TODO: This method is called when the BroadcastReceiver is receiving  //
an Intent broadcast
//.
/*Toast.makeText(context, "GEOFENCE_ENTERED", Toast.LENGTH_SHORT).show();

final Toast mToastToShow; int
toastDurationInMilliSeconds = 1200000;
mToastToShow = Toast.makeText(context, "GEOFENCE_EXITED",
Toast.LENGTH_LONG);


// Set the countdown to display the toast CountDownTimer toastCountDown;
toastCountDown = new CountDownTimer(toastDurationInMilliSeconds, 100000) {
public void onTick(long millisUntilFinished) {
 mToastToShow.show();
}
```

```
public void onFinish() {
mToastToShow.cancel();
}
};
// Show the toast and starts the countdown
mToastToShow.show();
toastCountDown.start();*/


NotificationHelper notificationHelper = new NotificationHelper(context);
 notificationHelper.sendHighPriorityNotification("GEOFENCE_TRANSITION_ENTER", "",
MapsActivity.class);


GeofencingEvent geofencingEvent = GeofencingEvent.fromIntent(intent);


if (geofencingEvent.hasError()) {
Log.d(TAG, "onReceive: Error receiving geofence event...");
return;
}


 List<Geofence> geofenceList = geofencingEvent.getTriggeringGeofences();
for (Geofence geofence: geofenceList) {
Log.d(TAG, "onReceive: " + geofence.getRequestId());
}
// Location location = geofencingEvent.getTriggeringLocation();
 int transitionType = geofencingEvent.getGeofenceTransition();


switch (transitionType) {
```

```
case Geofence.GEOFENCE_TRANSITION_ENTER:
 notificationHelper.sendHighPriorityNotification("Entered the Location",
"", MapsActivity.class); break;

case Geofence.GEOFENCE_TRANSITION_EXIT:


 notificationHelper.sendHighPriorityNotification("Exited the Location ",
"", MapsActivity.class); break;

}


}

}
```