ALERT NOTIFICATION

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Team ID	PNT2022TMID04739
Project Name	Project - IoT based safety gadget for Child Safety Monitoring and Notification
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CODING:

```
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 GeofenceBroadcastReceiver 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;
}
}
}
```