Sprint 4

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Project Name	IoT Based Safety Gadget for Child Safety
	Monitoring and Notification

Sprint 4 is send alert notification when entered and exited the geofence

Coding:

```
NotificationHelper(context);
        int transitionType = geofencingEvent.getGeofenceTransition();
```

Notification Class:

```
package com.example.geofence;
import android.app.Notification;
import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Context;
import android.content.ContextWrapper;
import android.content.Intent;
import android.graphics.Color;
import android.os.Build;
import androidx.annotation.RequiresApi;
import androidx.core.app.NotificationCompat;
```

```
public NotificationHelper(Context base) {
        if (Build.VERSION.SDK INT >= Build.VERSION CODES.O) {
            createChannels();
NotificationChannel(CHANNEL_ID, CHANNEL_NAME,
        notificationChannel.enableLights(true);
        notificationChannel.enableVibration(true);
        notificationChannel.setDescription ("this is the description of the
        manager.createNotificationChannel(notificationChannel);
intent, PendingIntent.FLAG UPDATE CURRENT);
        Notification notification = new NotificationCompat.Builder(this,
                .setStyle(new
NotificationCompat.BigTextStyle().setSummaryText("summary").setBigContentTi
tle(title).bigText(body))
                .setContentIntent(pendingIntent)
                .setAutoCancel(true)
                .build();
notification);
```

Output:

