

General Overview:

Build an app that monitors whether you've entered a physical area near the Intrepid office. If you enter this "region" your app will generate an actionable local notification. This notification allows you to send an "I'm here!" message to the #whos-there Slack channel.

What you'll need to do:

1. Figure out how to get notified that you've entered a particular region.
2. Respond to entering a particular region by generating a local notification. This local notification must be actionable.
3. Have the action of the notification trigger a message to a Slack webhook that connects to the #whos-there channel.
4. If you want to get fancier, you can save when you check in and block further check-in notifications until the next day. You could wait until midnight and then restart the monitoring.
5. You should also manually be able to stop monitoring your location at any time.

To get started:

Simply make a new application with a button that says "Start Monitoring", which starts checking if you've moved near the Intrepid office.

Topics: *Location Services, Delegation, Local Notifications, Slack integration*

Some Required Classes:

[CLLocationManager](#)

[CLCircularRegion](#)

[UILocalNotification](#)

Slack API

<https://api.slack.com/incoming-webhooks>

The webhook URL is:

<https://hooks.slack.com/services/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>

UPDATE 1/11/16: the above URL is not working -- Use this new webhook instead!:

<https://hooks.slack.com/services/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>

It automatically sends messages to the #whos-there channel, so there's no need to set the channel in the POST message to the webhook