

Trimble Cloud

CSCI 4308

University of Colorado

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University of Colorado **Boulder**

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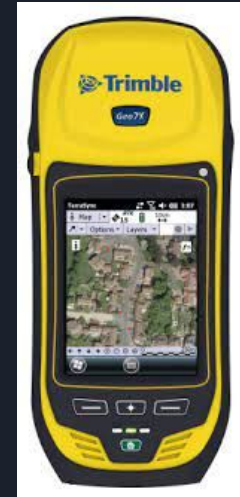
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Who is Trimble?

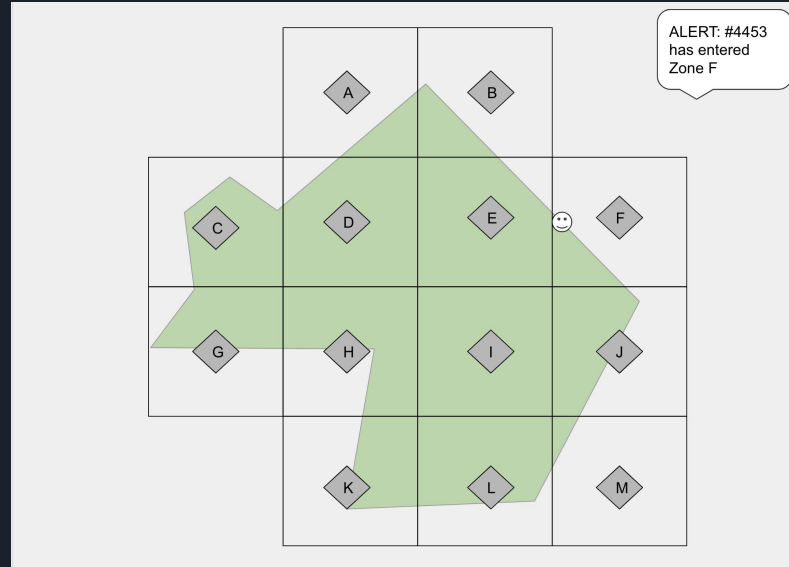
- Mission: Trimble is transforming the way the world works
- Geospatial, Agriculture, Construction
- Based in California
- Offices in Westminster
- Leading provider of advanced locations based solutions



Project Overview

Goal: To create a geofencing application that clients can use to monitor the flow of materials within a specified zone/area

Example: Construction Site





High Level Requirements:

- Define “Project Boundaries” to encapsulate each project
 - latitude/longitude
- Define “Sub Boundaries” to be used within each project
 - lat/long within project boundaries
- Generate events as a Resource moves from zone to zone
 - alerts: emails, push notifications, etc...



Overall Approach

- Planning stage throughout the Fall semester

- Project charter

- Project Plan

- Requirements

- Technical development to begin in January

- Iterative agile methodology

- Tools

- Slack

- Github

- Google

- Storage/ Sharing

- Conferencing



Communication

- Meet with sponsor weekly
- Documents shared through GitHub repo
- Shared google Drive
- Trello
- Working independently with collaboration



Status

Defining problems

Developing requirements

Development of roles and responsibilities

Defining starting technology

Technology



amazon
DynamoDB



Technology

