

## **Project: AWS TeamSafe**

### **Problem to be solved:**

- Automation of communication channels from managers to team members during an event that is deemed of importance by the manager.

### **Design considerations:**

- Cost: Pay for what is used
- Security: Encrypted data
- Large unpredictable spikes in usage

### **High-level requirements:**

- High availability: accessible 24/7
- Team management
- Contact team members through SMS messages.
- View past events

### **Use cases and user stories:**

A tornado touches down in an area around the office. The manager wants to quickly gather safety information of his team members. He creates an event and question to send out to his team. As they respond, the time and responses are tracked and may notify the manager if someone needs help. After a specified period of time the event ends and the manager will reply to the information manually.

**High-level architecture and design:** Web application hosted in the AWS environment

### **Call out important dependencies and potential blockers:**

- Phone numbers and accurate employee information
- Reliant on phone network being available

### **High-level project planning:**

1. Requirements gathering
2. Architecting
3. Developing/MVP loop