Proposed Walking Safety Prototype Provides Increased Security, Flexibility, and New Enhanced Features

Inspired by experiences and concerns of personal safety of myself and friends

Existing LSU Shield App

- Location sharing throughout journey
- Single check in at end of trip
- Cannot choose own safe check in passcode
- Difficult to engage SOS alert
- Not widely adopted

Support Requested from LSU and LSU PD

- App prototype is **already developed** and will be completed **withou**t outside assistance or funds
- App will be **free** to use with no monetization
- **Seeking** promotion and encouragement of use based on **enhanced** safety features and **flexibility** of use
- **Integration** with LSU PD
- Planned launch of spring semester 2024

New Prototype Also Features:
(Screenshots on Back)

- Ability to notify emergency contacts **on SOS event only** and not journey start, **encouraging** use with parents and friends.
- **Records 30 seconds** of both cameras and audio and sends to emergency contacts and/or police on SOS event with location history. Emergency contacts will also receive automatic phone calls and texts with **all trip details** and **continued** location updates.
- Check in (must enter passcode to dismiss alert or causes SOS) at end of trip and at regular intervals
  - **Automatic SOS** alert engaged if running, moving at car speed, or prolonged stop
- Passcode for check in with **fake passcode** that will cause automatic alert while appearing to work normally in case of coercion
- **Engage SOS alert** easily by **triple tapping** anywhere on the screen, can be used without looking at phone or while running
- Ability to **specify** planned route (Automatic SOS alert if deviating)
- Can add **additional** information such as who you're walking with or planning to meet

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Screen Samples from the Walking Safety Prototype With Increased Security, Flexibility, and New Enhanced Features

Edit Trip: Sample
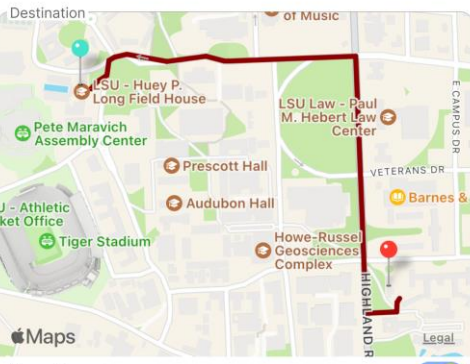
Trip Name
Sample

Check In 5:00

Destination 15:00

Description
Going back to my dorm.

Destination

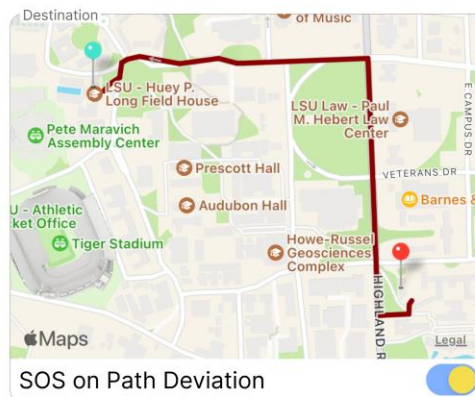Use Route ⬤

↳ SOS on Path Deviation ⬤

🖫 Save Trip   ⬗ Go

Active Trip: Sample

Check In 3:56

Destination 12:56
+ Add Time

Triple Tap Anywhere on the Screen to SOS

SOS on Path Deviation ⬤
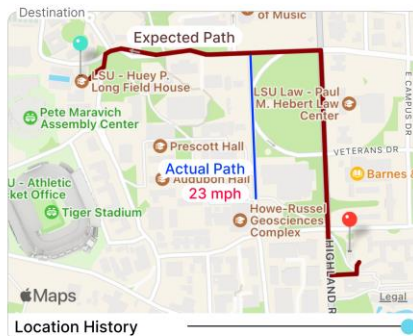
Running Detection
3.4 mph
SOS on

End Trip

An automatic SOS was triggered for Kayla due to moving at car speeds.

Steps to Take
Steps to take
Automatic Police Notification is not enabled
1. Check for any messages from Kayla about change of plans.
2. Attempt to video call Kayla.
3. Attempt to video call who Kayla is with.
4. Watch the recorded video clips and check the map.
5. Immediately dial 911 if necessary.

Location History

Description
Going back to my dorm.

Check In 3:56   **Destination** 12:56

Buddy System
Facetime Kayla 📹
Kayla is with James 📹, Jonathan 📹
Kayla is meeting with Sara 📹

Video Player Front Video Rear Video

Running Detection
SOS on
→ Running Detection ⬤
→ Car Speed Detection ⬤
→ Prolonged Stops ⬤
    → Smart Detection ⬤
→ Falls ⬤