Email Me Your Phone Number

Meet the Team:

* Product Owner: [Ian Joshua Armada](mailto:iarmada@ucsc.edu)
* Scrum Master: [Shreyas Telkar](mailto:stelkar@ucsc.edu)
* Hardware Engineer: [Michael Boutros](mailto:mgboutro@ucsc.edu)& Denny Xu
* Website Developer: Bharat Mani
* Website: <https://micbou6999.github.io/SmartBell_2/Index.html>

Project Proposal

* 10 Week Project
* There will be 3 Sprints

Sprint 1 (Week 3-5):

* User Story 1: As a Homeowner, I want to be able to see who is at the front and get live footage through the App (20)
  + Tasks:
    - Create Connectivity between the App & Hardware Device (20)
* User Story 2: As an elderly person, I want to be notified when someone is at the front door (20)
  + Tasks:
    - Upgrade the Sensor from an SR04 Detection Sensor to an SR501 Heat Detection Sensor/ Or some motion sensor (20)
    - Alternate Solution:
      * Find a way to detect through the camera and not through some sort of sensor so that data is more accurate.

Sprint 2 (Week 6-7) :

* User Story 3: As a Parent, I want to be notified when my child arrives at home (20)
  + Tasks:
    - Upgrade the Camera Code so that it can do a facial scan of someone at the front door and possible facial identity.
      * Using a high def camera we want to see who is at the front door.
* User Story 4: As a buyer, I want to use a website to purchase the device. (13)
  + Tasks:
    - Create a sleek html website with css styling to make a website, maybe we can link some sort of shopify to do transactions potentially. (5)
    - Make a unique login page, and allow for location updates and payment method, and sanitization of the website (8)

Sprint 3 (Week 8-10) :

* User Story 5: As a homeowner, I want a sleek design that will have a modern look (5)
  + Tasks:
    - Autocad is a Box that will fit all the components nicely and be attached to a wall (5)
* User Story 6: As a Business Owner, I want to be able to wire this nicely to a Wall (5)
  + Tasks
    - Add battery pack abilities or create wires that allow you to safely attach to positive and negative wires.
* User Story 7: As a frightened Parent, I want to be notified if anyone approaches my Door with any weapon.
  + Tasks:
    - Add Weapon detection to the Camera Code (5)
    - This is not as Important as the rest of the project, if time permits, we will attempt to complete this aspect of the project.

Roles

* App Development
  + [Ian Joshua Armada](mailto:iarmada@ucsc.edu)
* Website Development
  + Bharat Mani
  + Denny Xu
* Hardware Development
  + Michael Boutros
  + [Shreyas Telkar](mailto:stelkar@ucsc.edu)

Goals:

* iPhone/Android Application to ESP/Raspberry Pi Capabilities
* A functional website that allows for a accurate description of what our website entails, and other things
* Upgraded Camera Code so that we can detect through the camera!
* Some sort of serialization so that if mass produced there is some sort of unique code to see how each product connects.
* Create a speaker so that we can speak through it. Allow for speaker capabilities.

**MVP**

* A fully functional Application that can be connected to the Application
* A fully functional website that can link to a secure payment system.

Scrum Meetings (3xWeek) Via Zoom/Call

* 15 Minute Meetings (Tuesday/Thursday 11:40 am-12:00 pm, Sunday 11:00am-11:15am)
  + What will you complete?
  + What have you completed?
  + Do you need any help?

Two Components for this project (Those is designated groups should meet separately to work and complete the assignment)

1. Website (Denny Xu & Bharat)
2. Application/Hardware (Ian, Michael and Shreyas)