



YouSee Interim Project 1

Phase 1

Team Name: CodeBusters

Team Organization:

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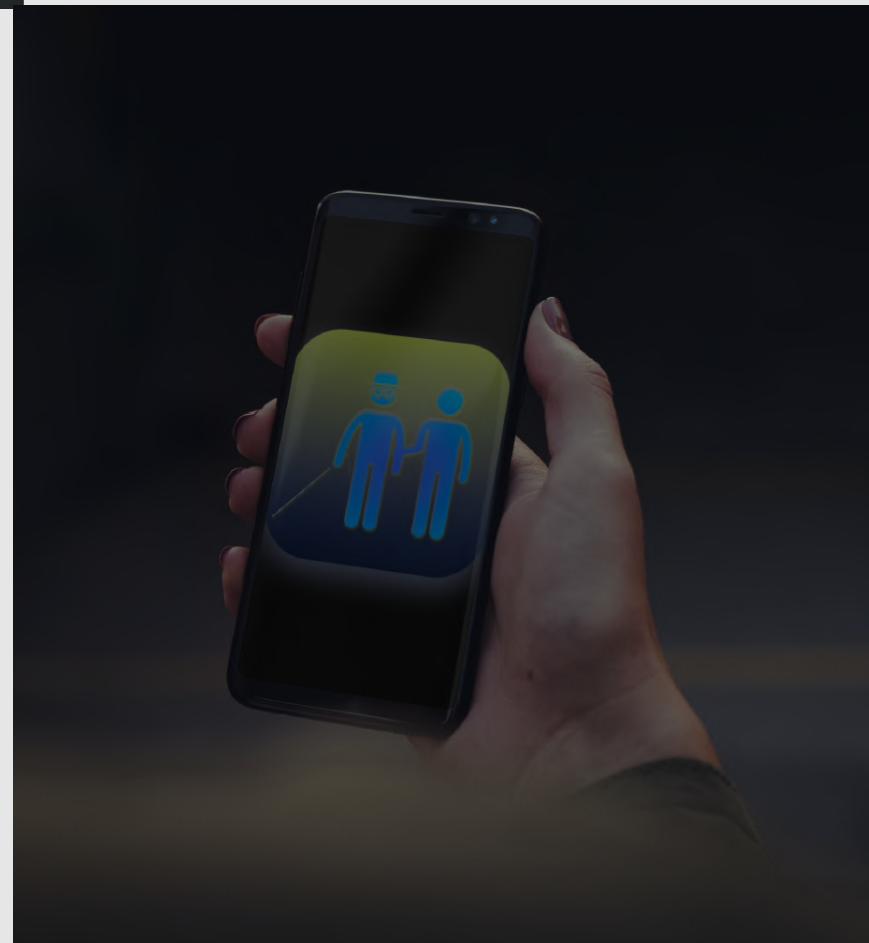
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Agenda



- 01 As-Is
- 02 Competitors
- 03 To-Be
- 04 Process, Tools and Cost
- 05 Target Market
- 06 Welcome Screen
- 07 Product Usability
- 08 App Interface
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- 10 Creeping Rate
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AS-IS

What is the Problem?

Competitors

01

Aipoly Vision

Utilizes AI to help low-vision people better understand what's around them. Users point the app at an object and simply press a recognition button.

02

Ariadne GPS

Allows visually impaired users to navigate directions using talking maps and an innovative interface. Ariadne works anywhere accessible by Google Maps.

03

NavCog

Computer vision navigations that provides real-time information about where an individual's is, which direction they are facing, and other information about the surroundings. This app can be used to navigate both indoors and outdoors using bluetooth signals.



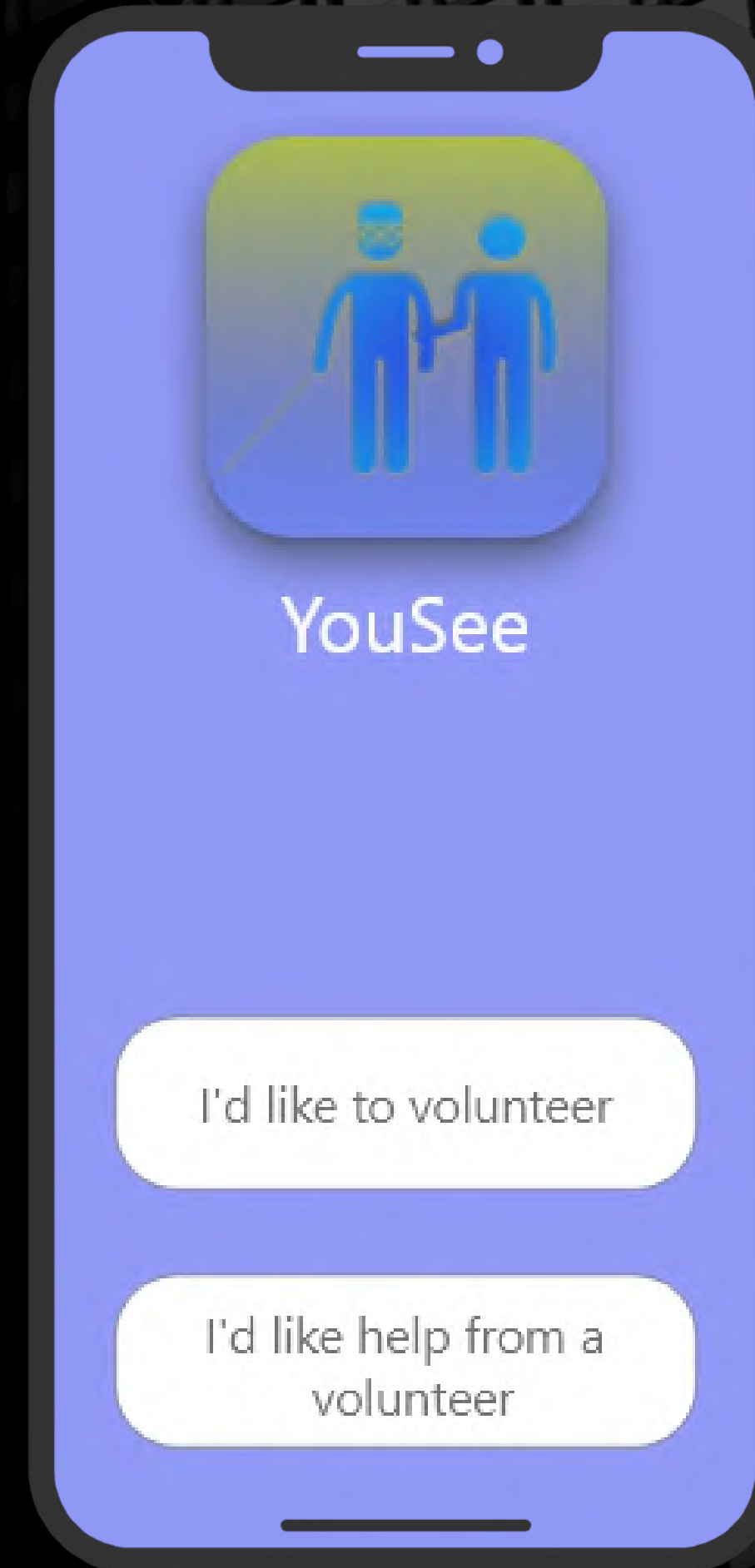


Target Market

- Blind people
- Old people
- Good Samaritans



Welcome Screen



How does Our App work?

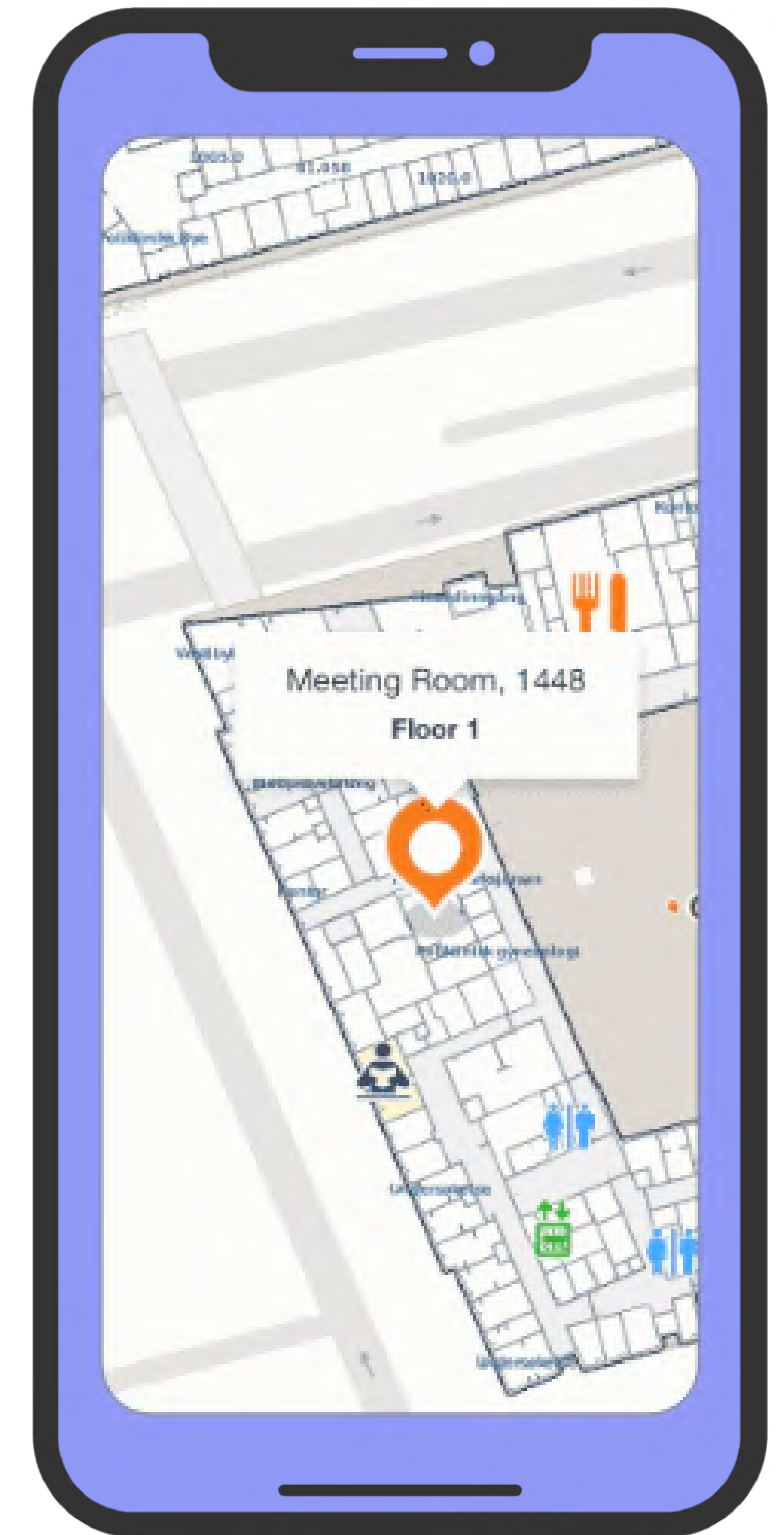
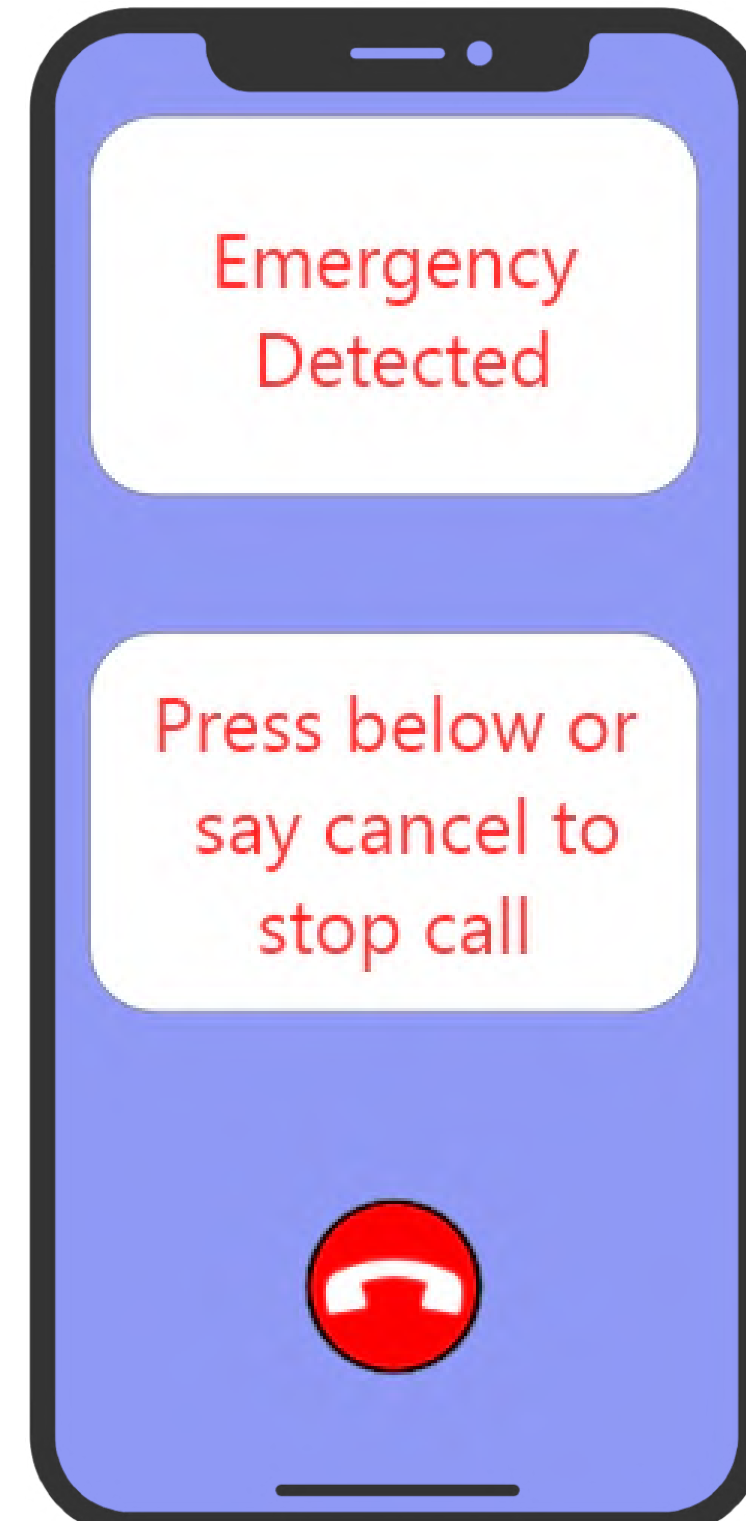
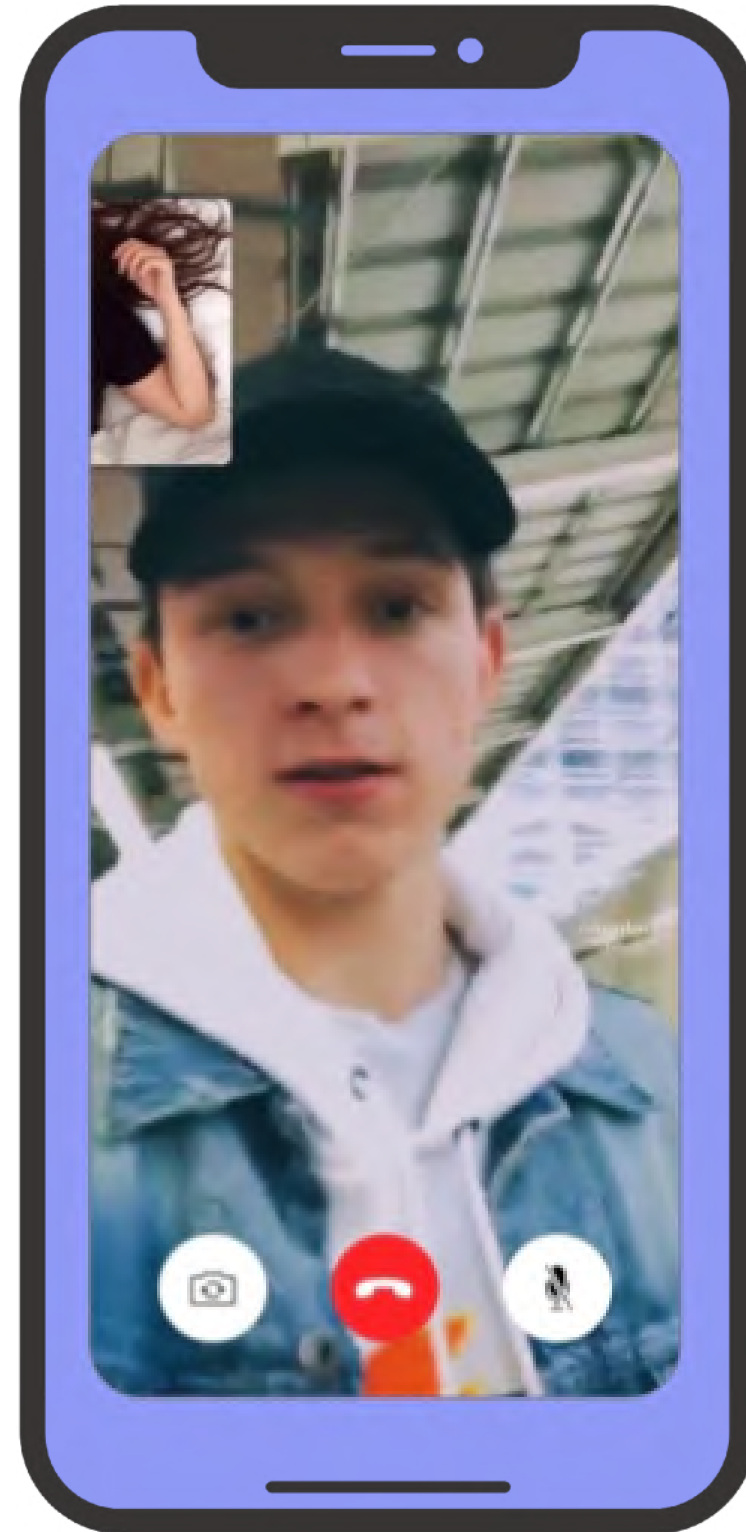
The app will be a way for volunteers to assist blind people navigate indoors through the use of video calls.

Users will be able to choose if they are a blind person or willing to volunteer. This will lead to a blind person being matched to allow the volunteer to help the visual impaired person by acting as their eyes and ears.



Interface

- 01 **In Person Meeting w/ Volunteer**
The volunteer and blind person meet in person and the volunteer serves as a guide
- 02 **FaceTime Call w/ Volunteer**
The system grants access to the blind person's camera and the volunteer guides them
- 03 **Emergency Detection from Volunteer**
The volunteer can call emergency services if they detect an emergency



WRSPM Model

D1: The Device has the ringer turned on

D2: The volume on the device is turned up

D3: The device is on and has enough power.

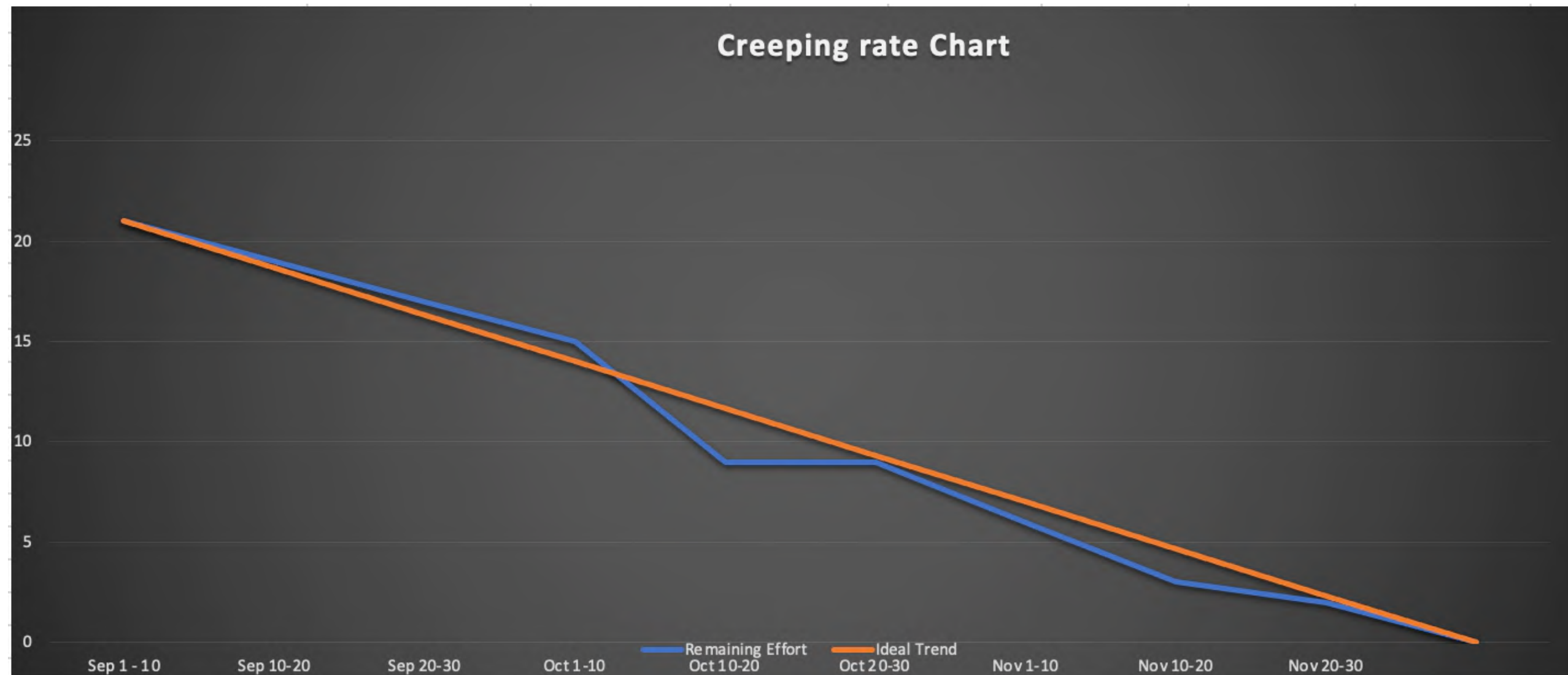
R1: The software system shall make a distinct noise and vibrate as soon as the user escapes the app.

S1: If the user escapes the app, then the phone will make a distinct noise and vibrate

C - with a taptic engine used to vibrate the device and a distinct sound as an actuator

P: Program

Creeping Rate Chart											
Due Date	Task	Initial Estimate	Sep 1 - 10	Sep 10-20	Sep 20-30	Oct 1-10	Oct 10-20	Oct 20-30	Nov 1-10	Nov 10-20	Nov 20-30
		Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
2-Sep	Preliminary Project Plan	3	2								
30-Sep	Interim Project I	7		2	2	3					
12-Oct	Final Project I Submission	2				2	-1				
16-Nov	Interim Project II	7				1	1	3	1		
30-Nov	Final Project II Submission	2							2	1	2
Remaining Effort		21	19	17	15	9	9	6	3	2	0
Ideal Trend		21	18.6666667	16.333333	14	11.6667	9.3333333	7	4.666667	2.33333333	0



Why our App?



Team Website: <http://www.utdallas.edu/~jsh170830/index.html>

Thank you
Any Questions?