

- Personal Safety

Team B14

- Agenda

- The topics we will be covering today are:

- Introduction
- Customers Needs
- Problem Statement
- Metrics
- Target Specifications
- Benchmarking
- Design process
- Prototype
- Project Plans



● Introduction

- Create an application to ensure the safety of those living alone
- Daily scheduled check-ins or one time check-ins
- User's emergency contacts will be notified if a check-in is missed

● Main Customer Needs

- User friendly
- Works in Canada
- iOS compatible
- Checks before alerting contacts
- Sends text messages
- Customizable timers
- No large button check-in

Problem Statement

“

Design and implement a user-friendly mobile application that allows people of all ages and backgrounds to confirm their safety to their emergency contacts on a daily basis.

Benchmarking



Snug Safety

Figure. 1

- Only one daily check-in
- Big button check in
- Not available on iOS in Canada



EyeOn App

Figure 2

- Pause feature for the check-ins
- Adjusts for time zones
- Not notified if an alert was sent
- Not free



ElderCheck

Figure. 3

- User and caregiver must have the app
- Caregivers are contacted in-app
- Not available in Canada

Metrics

METRIC DESCRIPTION	UNIT
Download Size	MB
Price	CAD\$
Compatible Regions	Countries
Database Size	MB
Cost for Creating App	CAD\$
Speed of App	ms
RAM Requirement	MB
Customer Satisfaction Rating	Number (scale 1-10)
Production Life Span	Years
Compatible Operating Systems	OS
Number of Clicks	Clicks

- Most Important Target Specifications

Unit	Target Specification	Marginally Acceptable Values	Ideal values
CAD\$	The app is free to use	0\$	0\$
CAD\$	The app will cost no more than \$50 to create	<100\$	<50\$
Countries	The app works in Canada	Canada	North America

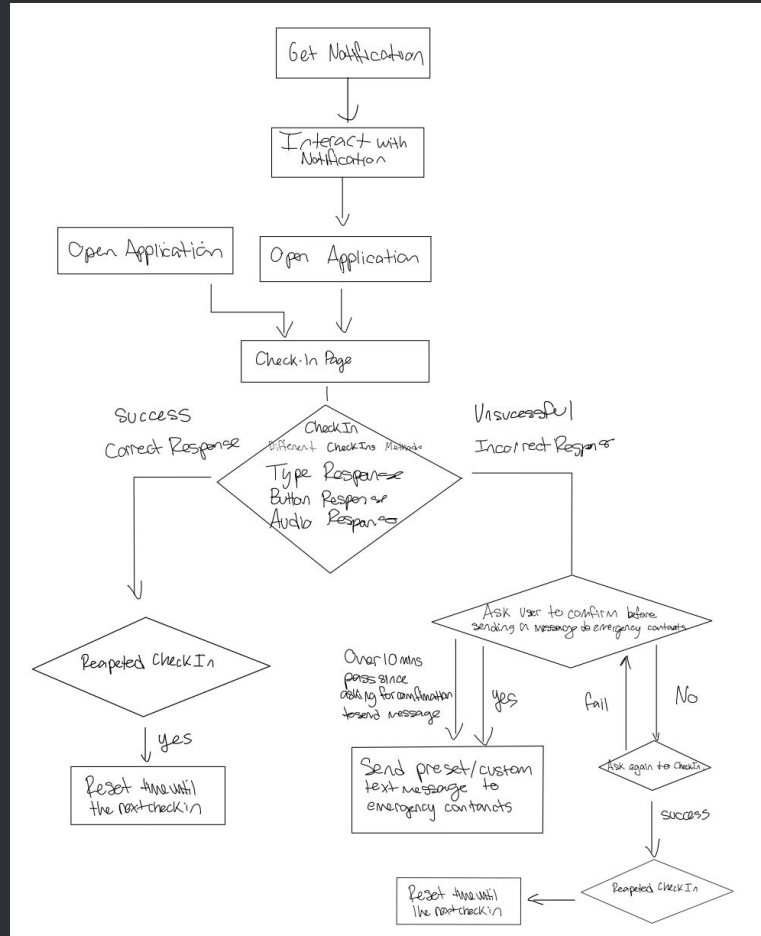
Unit	Target Specification	Marginally Acceptable Values	Ideal values
Communication Methods	The app will be able to send text messages	Text message	Text message and email option
OS	The app will function on iOS	iOS	iOS and Android

Unit	Target Specification	Marginally Acceptable Values	Ideal values
Number (scale 1-10)	From a scale of 1-10, the customer satisfaction rating will be 8	7	>8
Number (scale 1-10)	From a scale of 1-10, the user design intuitiveness rating will be 8	7	>8
Number (scale 1-10)	From a scale of 1-10, the user design likeability rating will be 8	6	>7

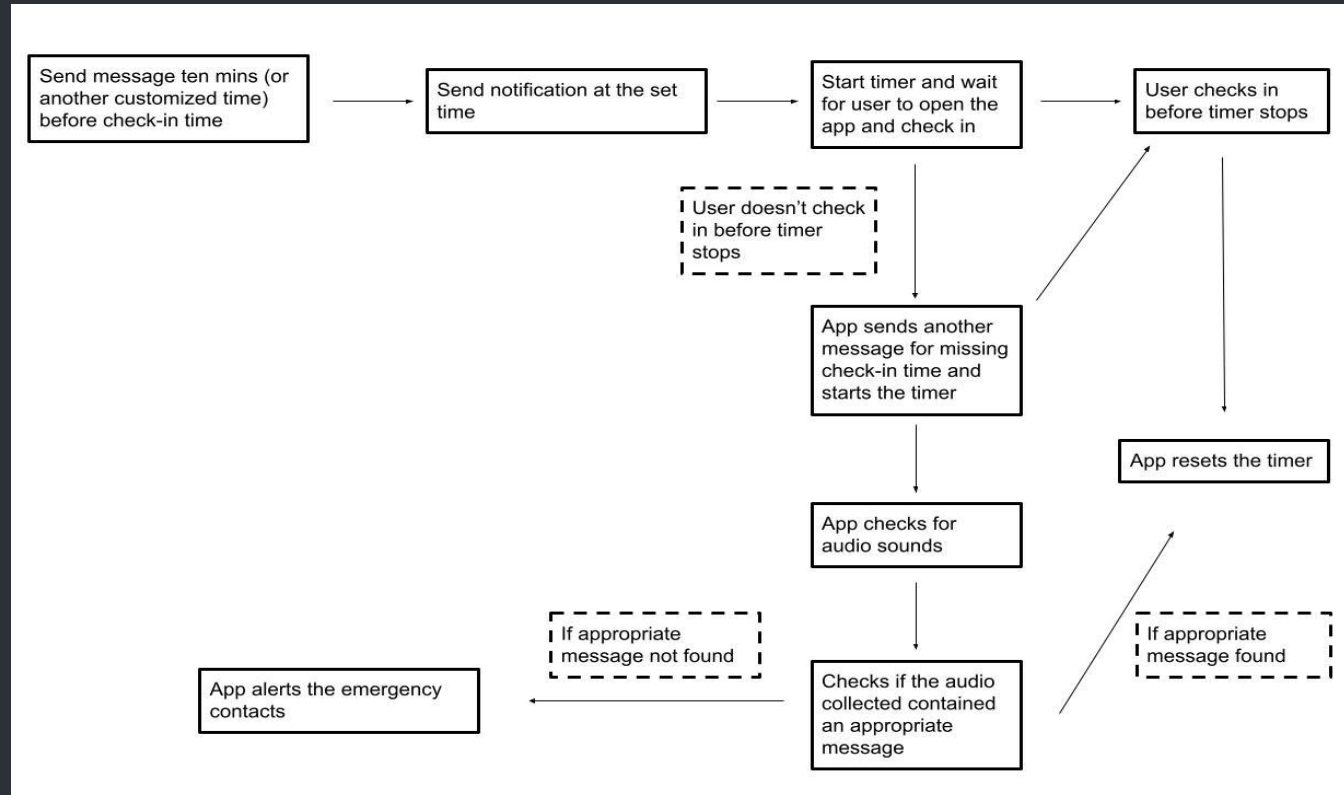
Unit	Target Specification	Marginally Acceptable Values	Ideal values
Number of clicks	The average number of clicks to get from one activity to another is <3	<4 clicks	<3 clicks
Maximum number of clicks	The maximum number of clicks to get from one activity to another is <6	<8 clicks	<6 clicks

Backend Designs

Design 1:



Design 2:



- Decision Matrix

	Functionalities (Weight 3)	Efficiency (Weight 2)	Simplicity (Weight 1)	Score
Design 1	9	7	6	47
Design 2	7	7	8	43

Prototypes

Login/sign-up pages

Welcome,
Sign-in to continue

Logo

Email

Password

[Forgot Password?](#)

Log In

[Other Sign-in options](#)

Don't have an account? [Sign up](#)

Create Account,
Sign-up to get started

Name*

Phone number*

Email*

Password*

Create Account

Already have an account? [Sign in](#)

Set up profile,
personalize your account

Emergency Contact 1: [Open contacts](#)

Name*

Phone number*

Email (optional)

Emergency Contact 2: [Open contacts](#)

Name*

Phone number*

Email (optional)

[Add more emergency contacts](#)

Next

Home page

Good Morning,
<Username>

You're 6 check-ins away from completing the day:

Next Check-in is in:

Hours	Minutes	Seconds
1	20	05

[Schedule New Check-in](#)

Upcoming Check-ins:

- Activity: Daily Check-in
Location: Blue Mountain
10:55 am
- Activity: Biking
Location: Toronto Trails
2:30 pm
- Activity: Biking
Location: Toronto Trails
3:40 pm
- Activity: Hiking
Location: Park's View
4:15 pm

Good Morning,
<Username>

You're 6 check-ins away from completing the day:

Next Check-in is in:

Hours	Minutes	Seconds
0	00	10

[Schedule New Check-in](#)

Upcoming Check-ins:

- Activity: Daily Check-in
Location: Blue Mountain
Check-In Now
10:55 am

Please type "yes" to confirm your check-in:

[Complete Check-In](#)

[Alert Emergency Contacts](#)

Good Morning,
<Username>

You're 6 check-ins away from completing the day:

MISSED CHECK-IN
WILL ALERT CONTACTS IN:

Hours	Minutes	Seconds
0	9	55

[Schedule New Check-in](#)

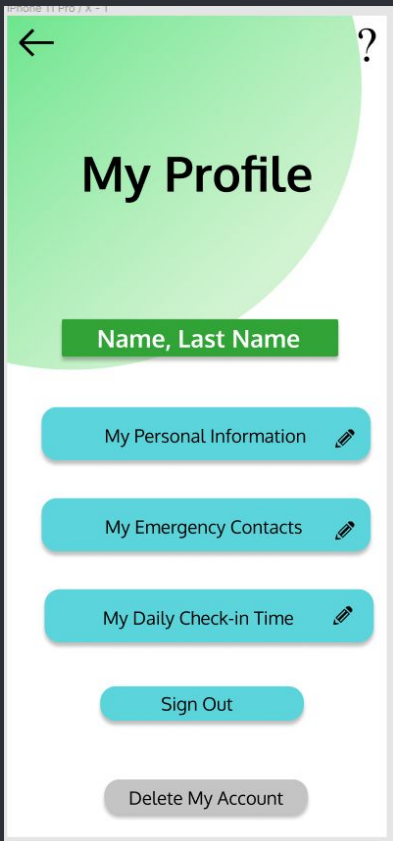
Missed Check-ins:

- Activity: Hiking
Location: Blue Mountain
10:55 am

Upcoming Check-ins:

- Activity: Biking
Location: Toronto Trails
2:30 pm
- Activity: Biking
Location: Toronto Trails
3:40 pm

My profile



← ?

My Profile

Name, Last Name

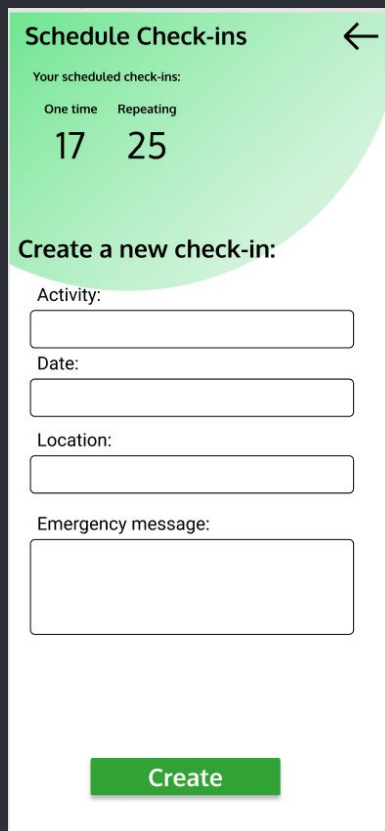
My Personal Information ✎

My Emergency Contacts ✎

My Daily Check-in Time ✎

Sign Out

Delete My Account



←

Schedule Check-ins

Your scheduled check-ins:

One time Repeating

17 25

Create a new check-in:

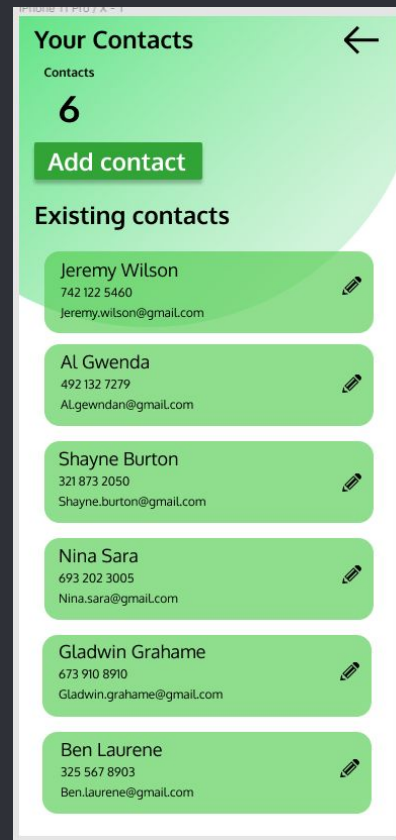
Activity:

Date:

Location:

Emergency message:

Create



←

Your Contacts

Contacts

6

Add contact

Existing contacts

- Jeremy Wilson
742 122 5460
Jeremy.wilson@gmail.com ✎
- Al Gwendan
492 132 7279
Al.gewndan@gmail.com ✎
- Shayne Burton
321 873 2050
Shayne.burton@gmail.com ✎
- Nina Sara
693 202 3005
Nina.sara@gmail.com ✎
- Gladwin Grahame
673 910 8910
Gladwin.grahame@gmail.com ✎
- Ben Laurene
325 567 8903
Ben.Laurene@gmail.com ✎

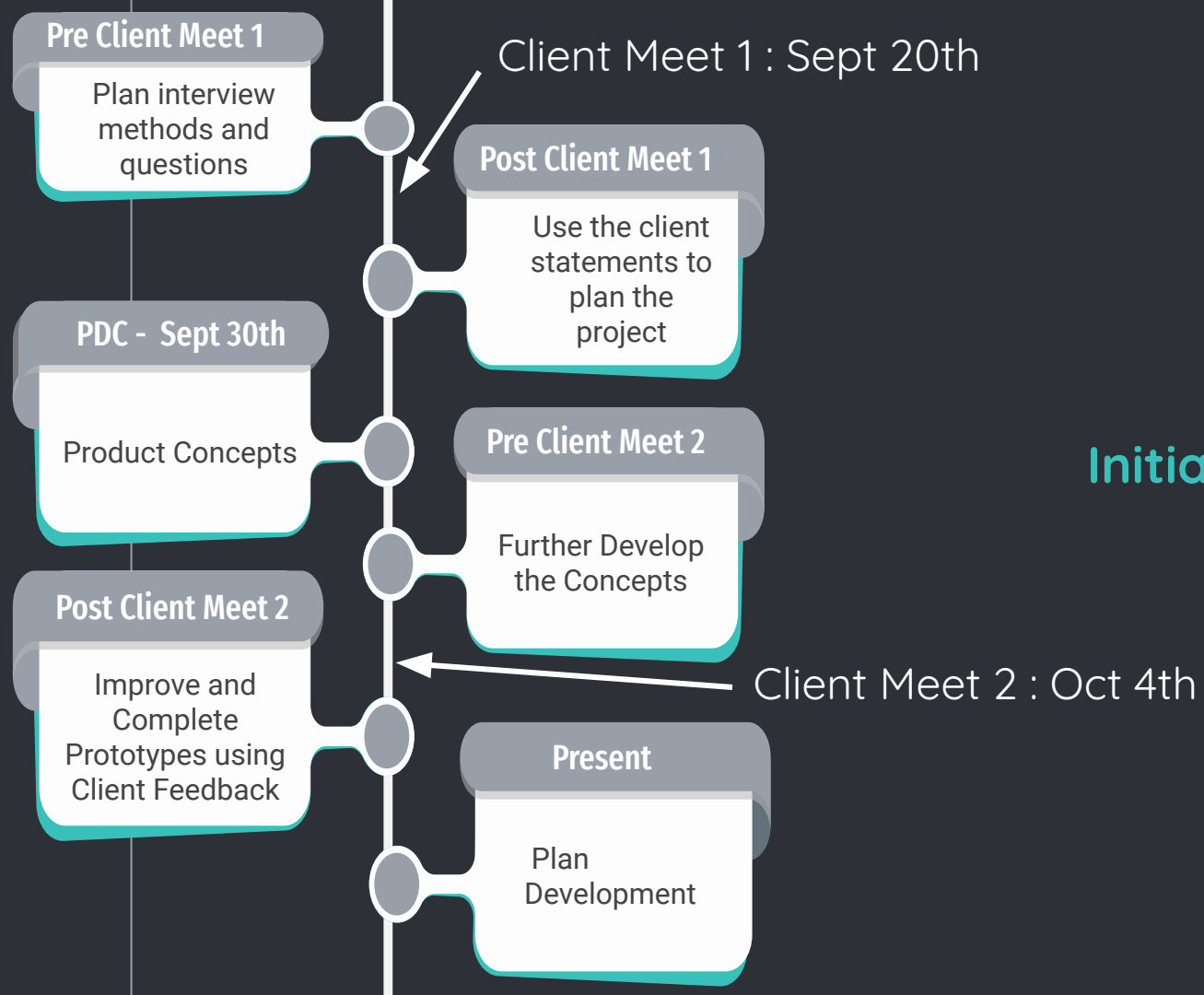
● Testing

Test Criteria	Results (average)	Acceptable Results
Clicks (from one activity to another)	~3 Clicks	Less than 3 clicks
Design Intuitiveness	8.36 out of 10	8 out of 10
Design Likeability	7.95 out of 10	7 out of 10

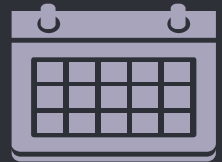
- Client Feedback

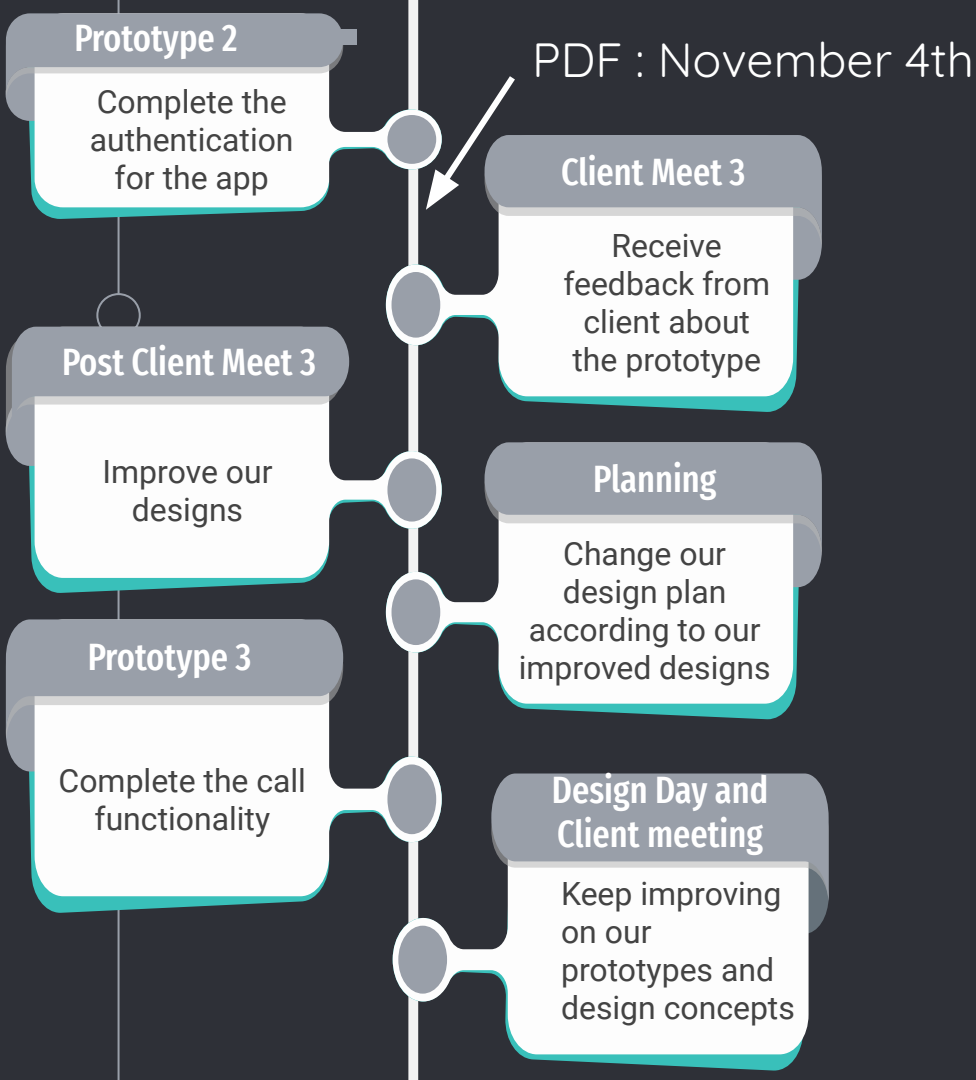
- The user interface is intuitive
- There is a need for a user manual
- The ability to delete check-ins and contacts
- The font size was a perfect fit for the client

Project Plans

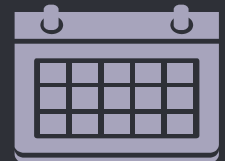


Initial Project Plan





Future Project Plan



Citations

Figure 1. Snug Safety Logo from “Snug Safety”,
<https://www.snugsafe.com/>, Copyright 2016-2021 Snug Products LLC

Figure 2. EyeOn App Logo from “CrunchBase”,
<https://www.crunchbase.com/organization/eyeon-app-llc>, Copyright 2021 EeyOn App

Figure 3. ElderCheck Now Logo from “App Advice”,
<https://appadvice.com/app/eldercheck-now>, Copyright 2016-2021 FallCall Solutions, LLC