UX & Rescue Wireframes
Perry Burke, Jae Lee, Lena Tran, Kay Waller
Setup - Onboarding

1. User can choose to either log in or register
2. Registration with a badge ID is required for legal reasons
1. User enters in their badge number and password to log in
Setup - Log in Keyboard

1. Keyboard pops up when the user clicks to input badge number and password.
Setup - Login Complete

1. Allows them to start completing a report for an incident. User is taken to main menu.
Setup - Register

1. User inputs in badge number, last name and password to sign up. All are required for legal reasons.
Setup - Register Keyboard

1. Keyboard pops up when the user clicks to input badge number, last name, and password.
Setup - Register Complete

1. Allows the user to create an account and begin the tutorial
Setup - Tutorial

1. Screen will be shown once after registration

Would you like to walk through the tutorial?

[YES]  [NO]
Setup - Tutorial Menu

1. User can skip the tutorial at any time, letting them begin a report
2. Explains the user input supported by system, and how to move around report
3. Explains how to record data in report

 HOW TO NAVIGATE

 HOW TO INPUT DATA

< Back  Finish
Setup - Tutorial How to Navigate

1. Example shows the user how to input data via voice or touch
2. Pressing next will continue the tutorial
3. Creating a report records data about an incident for legal reasons and data purposes

HOW TO NAVIGATE

> To select an option, you can use either voice or touch.

> For voice: Say "Record" to get the system to begin listening. Then say "Log Vitals" or "Log Action Taken" or "Log Patient Info"

> For touch: Press the function you would like to log.

> To create a new report for a different patient, press the “+” icon.

> Press \[ \] to go back to the home screen.
Setup - Tutorial How to Input Data

1. Example shows user how to input data for vitals

2. User clicks to finish the tutorial

HOW TO INPUT DATA

- To select an option, you can use voice or touch.

- To make the system begin listening, say “Record”. Then say "Blood Pressure 120 over 80" or "Heart Rate 80 beats per minute." A screen will appear to confirm the information. Voice can be used for Patient Information and Action Taken as well.

- For touch: Select the option you'd like to input and type in the data.
Home Screen - Create a Report

1. Reporting is the main functionality of this system. It adds information about an incident, for legal and data purposes. User creates a report by voice or touch.

2. The screen is mainly blank to not block user's eyesight if they want the system on all the time.
Main Menu - Report 1

1. Report 1 is grayed in to indicate data is for report 1
2. User can record who was hurt/called/needed attention
3. User can input the vital measures they took from patient
4. User can record what response they took while on scene
5. Review allows the user to review all the information they have filled in so far, commonly used right before submission
Record Data - Vital Reminder

1. For our intermediate user, we chose to display this message to remind of system functionality.

2. User can choose to not show message (for expert user), or to continue showing.

Speak to record vitals
Ex: "Blood Pressure 120 over 80" or "Heart rate 80 beats per minute"

Don't show this message again.
OK
Record Data - Vital Reminder Answered

1. A filled in bubble means the user has checked that option
2. After answering, user is taken to vitals menu
Record Data - Vital Menu

1. Main menu that has all vitals listed

2. Orientation is more in-depth and has its own subset of measures. Intermediate users are aware of this

[Diagram of VITALS menu with icons for HR, BP, O2, BT, AO]
Record Data - Blood Pressure

1. When system hears record, it begins listening for user input and recording it.

2. Lets the user know that the vital can be resaid if the system misinterpreted.

3. Pressing confirm confirms the vital and ends the system listening.

VITALS

listening...

“Blood Pressure 125/70…”

If incorrect, speak again.

Confirm
Record Data - Vital Menu

1. Blood pressure has been recorded, with an option by touch and voice to edit

2. User can click done, and come back to recording vitals

VITALS

HR
BP 80/50
O2
BT
AO

Done
Record Data - Heart Rate

1. When system hears record, it begins listening for user input and recording it.
2. Lets the user know that the vital can be resaid if the system misinterpreted.
3. Pressing confirm confirms the vital and ends the system listening.

VITALS

listening...

“Heart Rate is 80 bpm...”

If incorrect, speak again.

Confirm
Record Data - Vital Menu

1. Now blood pressure and heart rate are recorded, with both being able to be edited.

2. User can click done, and come back to recording vitals.
Record Data - Orientation

1. The patient's orientation score is determined by the number of fields they can list.

2. The user can check the number of fields the patient completed.
The information from pg 21 was synthesized into this tag, which means “Alert & Oriented”, times the score they received. The firefighters understand this scoring system.
Report Data - Patient Information Home

1. Report 1 is grayed in because the user is filling out information for Report 1.

2. User can choose to scan an ID (medicine, license, hospital armband, etc.) to receive patients name if the patient is unresponsive.

3. User can choose to search through existing database for patient information.

ID Scan

Patient Search
Report Data - Patient Information ID Scan

1. Glasses (our form factor) will have a camera

2. User positions identification in the outlined area and waits for the system to capture it

3. Patient data will appear and fill in next to the capture

ID SCAN

Name: John Doe
DOB: 05/14/68
Height: 5' 10"

Retrieving Patient Profile...
Report Data - ID Scan Results

1. Patient name is filled in from ID scan
2. Similar names that have existing reports
3. User can also enter DOB, if known, to narrow options (keyboard on pg 7,1)
4. If patient is not found in existing reports, user can create a new one
Report Data - ID Scan New Patient

1. Only the name from the ID scan is filled in for new patient
2. Report is blank and ready to be filled in
3. Call on [date of today] automatically fills in with today’s date
4. User can click to cement information and return to main menu
Report Data - ID Scan Existing Patient

1. Pulls up the patient info of a previous patient
2. User can click on any field to edit (keyboard on pg 7, 1)
3. User can click on + to add medical information (keyboard on pg 7, 1)
4. All the fields are displayed on one screen, users do not like hidden fields or progressive disclosure
Report Data - Patient Information Patient Search

1. User can input DOB and/or Name (first and/or last) to find a patient. Entering DOB significantly narrows search results.

2. New patient can be created before search, to save time if no previous report known.
Report Data - Patient Search Keyboard

1. When name or DOB field is clicked, keyboard pops up for typing.
Report Data - Patient Search Filled

1. Similar names that have existing reports (pg 3, 2)

2. If patient is not found in existing reports, user can create a new one (pg 3, 4)
Report Data - Patient Search New Patient

1. Name is not filled in, user gets completely blank form
2. Report is blank and ready to be filled in
3. Call on [date of today] automatically fills in with today’s date
Report Data - Patient Search Existing Patient

1. Pulls up the patient info of a previous patient

2. User can click on any field to edit (keyboard on pg 7, 1)

3. User can click on + to add medical information (keyboard on pg 7, 1)

4. All the fields are displayed on one screen, users do not like hidden fields or progressive disclosure
Report Data - Action Taken

1. User has to fill out 1 of the 3 sections

2. Transfer to med and treatment refusal open up their own unique pages. Users didn’t like progressive disclosure, but we felt the interface needed organization

3. By selecting a field, the circle will become filled in
Report Data - Action Taken Transferred to Med

1. Field is outline and not bubbled in because it is in progress, not completed.
2. Location is a fill in the blank field, which prompts the keyboard.
3. Clicking next will take the user to the next field needed for Transferred to Med.
Report Data - Action Taken Transferred to Med

1. Field is outline and not bubbled in because it is in progress, not completed.
2. Location is a fill in the blank field, which prompts the keyboard.
3. Clicking confirm marks the end of the Transferred to Med section and takes the user back to page 37.
Report Data - Action Taken Treatment Refusal

1. Field is outline and not bubbled in because it is in progress, not completed
2. Refusing treatment requires the patient to read a consent form and sign it
3. Clicking confirm marks the end of the Refusing Treatment section and takes the user back to page 37
1. All the information filled in is on display, and a scrollbar is used to fit it all.
2. Anything can be edited on this page.
3. Clicking submit will send the report to the cloud and will finalize the report.
Report Data - Submit Report

1. A warning message is shown because submitting the report is irreversible due to legal reasons.
2. User has a chance to go back and edit.
3. Completes the report and returns user to blank home screen (pg 12).

Are you sure you want to submit Report 1?
This action cannot be undone, and the report may not be changed after submission.

- Let me review
- Submit
State Transition Diagram

Key Path: Inputting Vitals