

Elder Carennnection

Amber Amin | *Design*

Laura McFarlane | *Group Manager*

Tiffany Lin | *Documentation*

Ty Overby | *Fieldwork and Testing*

Caretakers Today

- Large workloads
- Not a registered nurse (RN)
- Responsible for health and happiness of elders



Our Contextual Inquiries

Youn

- observational in-home interview
- in-home caretaker



Hannah

- sit down interview,
Suzzallo Cafe
- volunteer at
Evergreen Hospice



Clariane

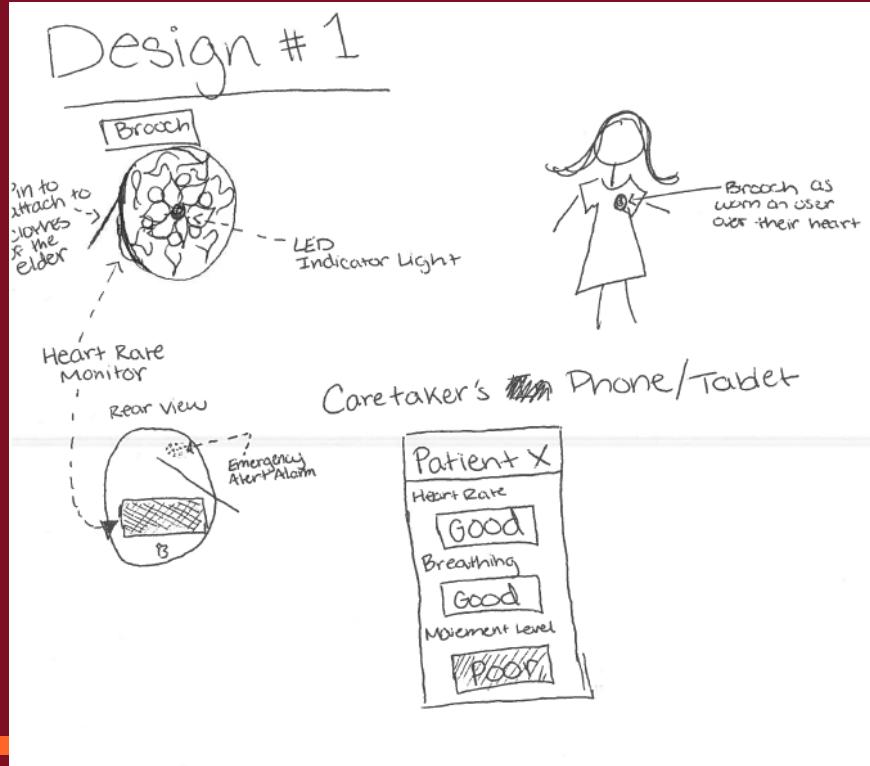
- recorded over the phone interview
- CNA at University House Wallingford



Caretaker Tasks

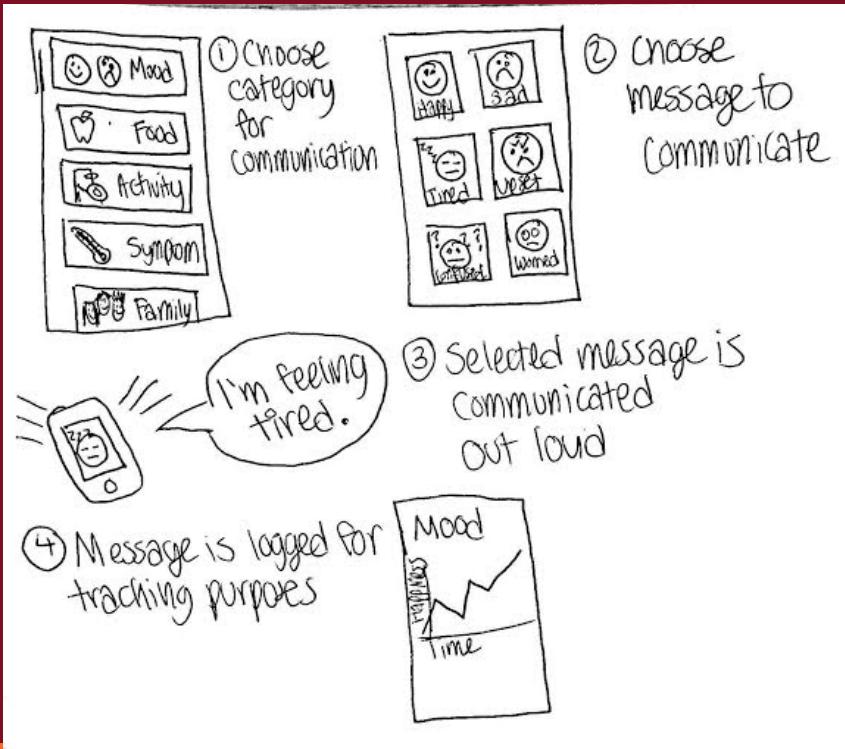
1. Tracking of Mood, Comfort Levels & Well-Being of Elders
2. Track Vital Signs and Effects of New Medications
3. Identifying and Improving Caretaker-Elder Communication Barriers
4. Restrictions with Administering Medications and Refilling Prescriptions
5. Recording Elders' Stories and Accomplishments
6. Communicating with Other Caretakers

Proposed Design



- ❑ **Task 1:** Tracking of mood, comfort level of elderly patients
- ❑ **Task 3:** Identifying and Improving Caretaker-Elder Communication Barriers
- ❑ **Task 5:** Communicating with other Caretakers

Proposed Design



- Task 1: Tracking of Mood, Comfort Levels & Well-Being of Elders
- **Task 3:** Identifying and Improving Caretaker-Elder Communication Barriers
- Task 6: Restrictions with Administering Medications and Refilling Prescriptions

Selected Design

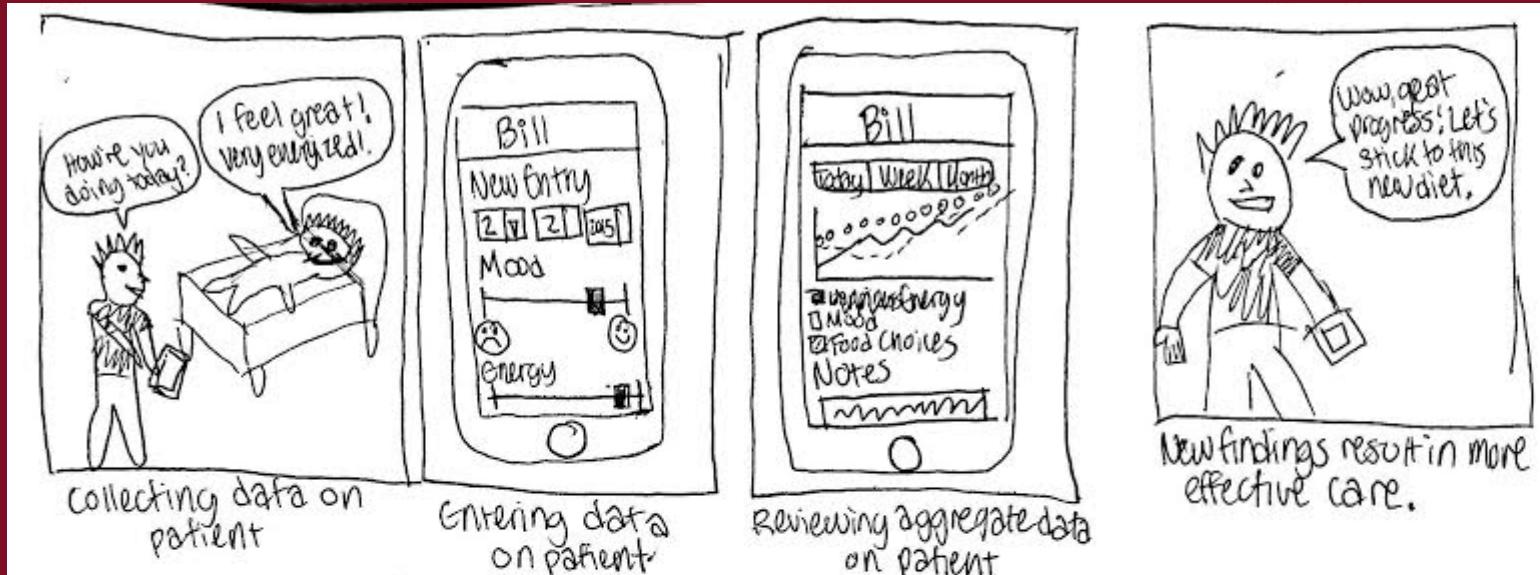
The image contains four hand-drawn wireframe prototypes for a mobile application interface, arranged in a 2x2 grid.

- Top Left:** A screen titled "Cindy". It includes fields for "Name of patient" (Cindy), "Mood" (with three icons: ☺, ☻, ☻), "Meds" (with three icons: ■■□□), and "Vitals 3.020 1.54" (with three icons: □□□). Annotations explain: "Button for mood entry. Also shows quick-view of todays mood data." and "Button for medication entry. Also shows quick view for todays medication data." and "Button for vitals entry; also quick view for vital data."
- Top Right:** A screen titled "Cindy / Meds". It lists medications: "Pleasant (clent壮士)" with two checked checkboxes, "Orexina (sleep)" with one checkbox, and "Ablivair (liver)" with three empty checkboxes. An annotation states: "Individual medications are listed for the specific day that the worker is entering for. There are check-boxes for each individual pill."
- Bottom Left:** A screen titled "Cindy / Mood". It tracks "Happiness" (with three icons: ☺, ☻, ☻), "Alertness" (with three icons: ☺, ☻, ☻), and "Talkativeness" (with three icons: ☺, ☻, ☻). An annotation notes: "Happiness, alertness, and Talkativeness are tracked on a ratio of 1-3 out of 3."
- Bottom Right:** A screen titled "Cindy / Vitals". It displays "Heart rate: 150" and "Blood pressure: 135". An annotation says: "Vitals signs are recorded and can be read directly from a machine." Another annotation at the bottom says: "Read from machine" and "connect your phone to a machine and read vitals into from it directly."

- ❑ **Task 1:** Tracking of Mood, Comfort Levels & Well-Being of Elders
- ❑ **Task 2:** Track Vital Signs and Effects of New Medications
- ❑ **Task 4:** Restrictions with Administering Medications and Refilling Prescriptions

Storyboard

Tracking of Mood, Comfort Levels & Well-Being of Elder



Storyboard

Communicating with Other Caretakers



Elder Carennection

"A platform for collecting and consolidating medical and personal information"