

Team: Tech Trio

www.trellykan.github.io/hci/

Project Description:

There is currently a lack of tools and resources available for dementia caregivers to effectively monitor, understand, and cope with changes in their patients. Therefore, we are designing a smartphone app that will make it easier for dementia caregivers to interact with their patients while providing them with a variety of new resources and methods that may ease the stress of caregiving and provide better help to the patient. By increasing the availability of resources to caregivers, we are also indirectly helping dementia patients and giving them a better quality of life.

Interview Questions

Introduction:

This interview is to help us understand the lifestyle of caregivers. We'd love to know more about what your daily life looks like and what it takes to be a caregiver for dementia patients. You can be completely honest with us. We really want to gather insights from your duties as a caregiver and how it affects you so we can use them to create a solution that will aid you in your job.

- Q1. Why did you start caregiving?
- Q2. Why did you choose to be a caregiver for dementia patients (if you chose it)?
- Q3. What is your motivation for caregiving?

Topic 1: Understanding Needs for the Caregiver

- Q4. How satisfied do you feel with your job?
- Q5. Do you think your employment as a caregiver has affected your health in any way and if so, why?
- Q6. Tell me about the last time you felt seriously stressed at your job.
- Q7. What is the most difficult part of your job and why?
- Q8. What do you enjoy the most about the job and why?

Topic 2: Understanding the Needs of a Caregiver when Working with a Dementia Patient

- Q9. What are some typical interactions that occur between you and your patient?

- Q10. What activities do you perform that are not necessarily needed for the patient's care but facilitate you when you work?
- Q11. Give me examples of difficult activities/tasks that need to be done to care for the patient.
- Q12. What happens if you are not able to take care of your patient because of an emergency?
- Q13. How do you feel when you are away from your patient?

Topic 3: Identify what areas can be improved or elaborated upon.

- Q14. Does your patient currently engage in any memory enhancing/strengthening practices? (e.g. mind games, puzzles, etc.)
- Q15. Does your patient ever have trouble communicating his or her needs to you? If yes, can you describe these situations?
- Q16. Do you feel you have a community you can depend on or go to if you need help providing care for your patient?
- Q17. Have you ever used an application or technology that had such a difficult learning curve that it has prevented you from trying to use it?
- Q18. How do you feel about using health/wellness mobile applications or wearable technology?

Wrap-Up:

- Q19. Is there anything else you'd like to share about your experience as a caregiver?
- Thank you so much for your time. This information will be very valuable to us. If you have any other questions for the team and I, please don't hesitate to email us.

Survey Questions

Contributor: Team - worked in class together

- Q1. How old are you? (Radio Button)
 - 25 and younger
 - 26 - 35
 - 36 - 45
 - 46 - 55

- 56 and older
- Q2. What gender are you? (Radio Button / Write-in)
 - Male
 - Female
 - Other: _____
- Q3. What is your ethnicity? (Open-Ended)

- Q4. What's your relationship to the patient? (Radio Button)
 - Spouse
 - Child
 - Professional caregiver
 - Other: Family
 - Other: Non-family
- Q5. What's the environment the patient is in? (Radio Button / Write-in)
 - Nursing home
 - Hospital
 - Patient's home
 - Other: _____
- Q6. If you are not living with the patient, how far away do you live from the patient's residence? (Radio Button)
 - 1 - 20 miles
 - 21 - 40 mile
 - 41 - 60 miles
 - 61+ miles
- Q7. How many hours a day do you dedicate to providing care for your patient? (Radio Button)
 - 0-5
 - 6-10
 - 11-15

- 16-20
- 21+
- Q8. How often do you provide care to the patient? (Radio Button)
 - Daily
 - Weekly
 - Monthly
- Q9. Which of the following tasks do you assist with? (Checkbox)
 - Personal Care
 - Homemaker Tasks
 - Transportation
 - Health Care
 - Supervision
 - Other:_____
- Q10. Have you ever received professional training? (Radio Button)
 - Yes
 - No
- Q11. How long have you worked as a caregiver? (Radio Button)
 - 1 - 5 years
 - 6 - 15 years
 - 16 - 25 years
 - 26+ years
- Q12. How many patients are you currently caring for? (Radio Button)
 - 1
 - 2-3
 - 4-5
 - 6+
- Q13. Do you feel knowledgeable about the caregiver's condition? (Likert Scale)
(Not Very) 1 2 3 4 5 (Very)
- Q14. Is your job stressful? (Radio Button)

- Yes
- No
- If yes, what would you rate your average stress level at your job as? (Likert Scale)
(Not Stressed) 1 2 3 4 5 6 7 8 9 10 (Very Stressed)
- Q15. In the past week, how often have you felt agitated or irritated? (Likert Scale)
 - Never
 - Rarely
 - Sometimes
 - Often
 - Always
- Q16. Do you currently use any smartphone apps to help you at your job? (Radio Button)
 - Yes
 - No
- Q17. What features would you enjoy seeing in a smartphone app that could help you with caregiving? (Checkbox)
 - Monitoring status
 - Memory enhancing games and challenges
 - Caregiver's community
 - Educational resources about caregiving
 - Other: _____

Contributions:

Introduction Questions: Anchalee

Topic 1 Interview Questions: Yuhui - improved and reviewed by Anchalee and Kelly

Topic 2 Interview Questions: Anchalee- Improved and Reviewed: Yuhui, Kelly

Topic 3 Interview Questions: Kelly - Improved and Reviewed: Anchalee, Yuhui

Survey Questions: As a team during class