

Project Description for Heuristic Evaluation

1. Name (The name of a system):

Ally

2. Team: (Group name with a contact email address):

TechTrio – ap1229@scarletmail.rutgers.edu

3. Goal: What is this app for? (in one sentence)

Ally is a virtual assistant to help dementia caregivers access more tools and resources that will, in turn, indirectly help dementia patients and giving them a better quality of life.

4. Purpose: Explain the purpose of this app (in one short paragraph)

There is a lack of resources for caregivers to learn from and knowledge of methods to utilize, like memory retention exercises like music therapy, memory training games, and repetition. Caregivers also lack better tools to monitor their patients and access to resources to understand and cope with the changes in their patients. A smartphone interface is much more convenient for the caregiver or dementia patient to interact with. Phones are small and portable and can be carried in a caregiver's pocket. A smartwatch interface would also be useful, especially for the actual dementia patients. Many dementia patients are elderly and are more familiar with using a watch than a smartphone. They can easily view information or interact with the smartwatch in this way.

5. User: Who is a target user?

Our target audience is dementia caregivers that want assistance in tracking their daily tasks and schedule while monitoring their patients or loved ones.

6. Tasks: Describe primary functions/tasks of an app (up to four).

- The Monitor is an in-app dashboard that displays the patient's location, heart rate, if the patient is awake, body temperature, and blood pressure.
- The Q&A board is a community in which caregivers can post and answer questions from other caregivers.
- The Daily Dashboard is a feature on the smart watch that will inform the patient of their personal information. The main objective of this feature is to be as simple as possible and intentionally constrain the patient's ability to change this on the display.
- The Patient Queue is a feature that organizes tasks and alerts based on priority. It is dynamically changing to present what is most important to for the caregiver to know.

7. Limitation: Describe current limitations of an app, if any.

- Range is a limitation. Since smart watches connect to phones via Bluetooth, the performance of our monitor feature depends on how close the two devices are.

- Users have to use a smart watch to access some of the features on the app.

8. Prototype: Hyperlink to your hi-fi prototype

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