

Reminiscence Therapy for Patients with Dementia

Nafis Mobassher

Sakib (Mohammad) Shahriyar

Muhtasim Chowdhury

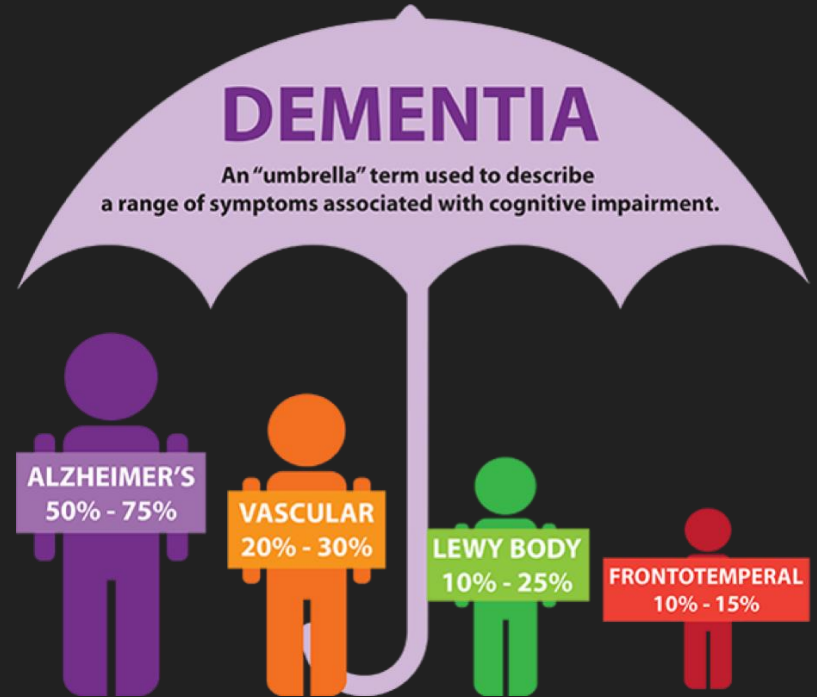
Problem Statement

Dementia is a term that is used for conditions where human beings have a decline in memory. This affects one's ability to deal with problem solving, languages and day to day activities. Dementia is progressive and symptoms will get worse and worse and more brain cells will be damaged which can lead to death.

The goal of this project is to create an application for Ontario Shores to help people with dementia practice reminiscence therapy via the use of our software applications. Our software application is a cloud based system where stakeholders are able to upload media files that will help patients with their reminiscence therapy.

Stakeholder

- Ontario Shores Center for Mental Health Sciences
- Dr. Ramiro Liscano
- Ontario Tech University



Existing Solutions

- Ontario Shores uses albums and iPads of the patients to show media
- Other apps only show generic pictures from the web
- They include frequently asked questions about the patient such as age and how they are feeling
- Also includes games to test their memory
- Not customized to the way Ontario Shores wants it
- Not hosted in Canada, thus privacy concerns

Requirements and Objectives

- Main focus is the ability to upload media files for each patient
- Each patient can view their own files only
- Questions and answers section for each patient that can be modified
- Caregiver user
- Staff user
- Admin user

User Roles

	Caregiver	Staff	Admin
Upload Media	Yes	Yes	Yes
Edit Questions and Answers	Yes	Yes	Yes
Adding New Patients	No	Yes	Yes
Viewing Patients	No	Yes	Yes
Adding caregiver for specific patients	No	Yes	Yes
Deleting Patient	No	Yes	Yes
Adding new staff account	No	No	Yes
Adding new admin account	No	No	Yes

Design Analysis

- Requirement gathering
- Goal setting
- Research
- Design concept
- Simulation
- Problem solving
- Prototyping

Testing Approach

- Manual testing
- Unit testing
- Acceptance testing
- Usability testing

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