



*combining reminiscence and music therapy
to create personalized entertainment for people with dementia*

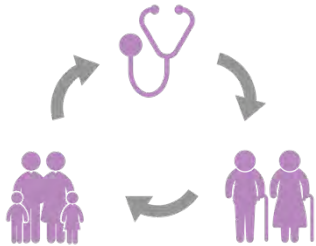
Cindy Fan | Reggie Jones | Saloni Parikh | Tiffany Lin

Dementia is estimated to have affected nearly 15% of Americans over the age of 70 in 2010

PROBLEMS



gap in personalized entertainment



complex stakeholder relationships

PROVEN TECHNIQUES



reminiscence therapy



music therapy

DESIGN QUESTION

How do we balance caretaker responsibility and family interest to provide personalized entertainment for people with dementia?

FIELD WORK



volunteering at
Briarwood
Health Center

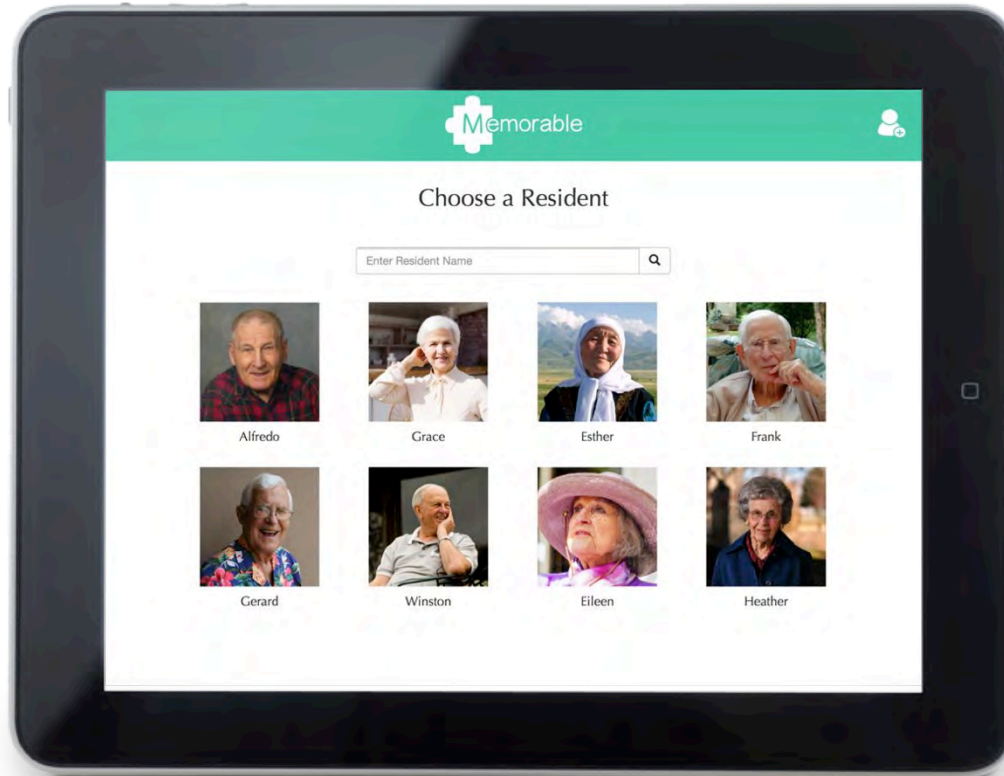


interviews with
caretakers and
family members

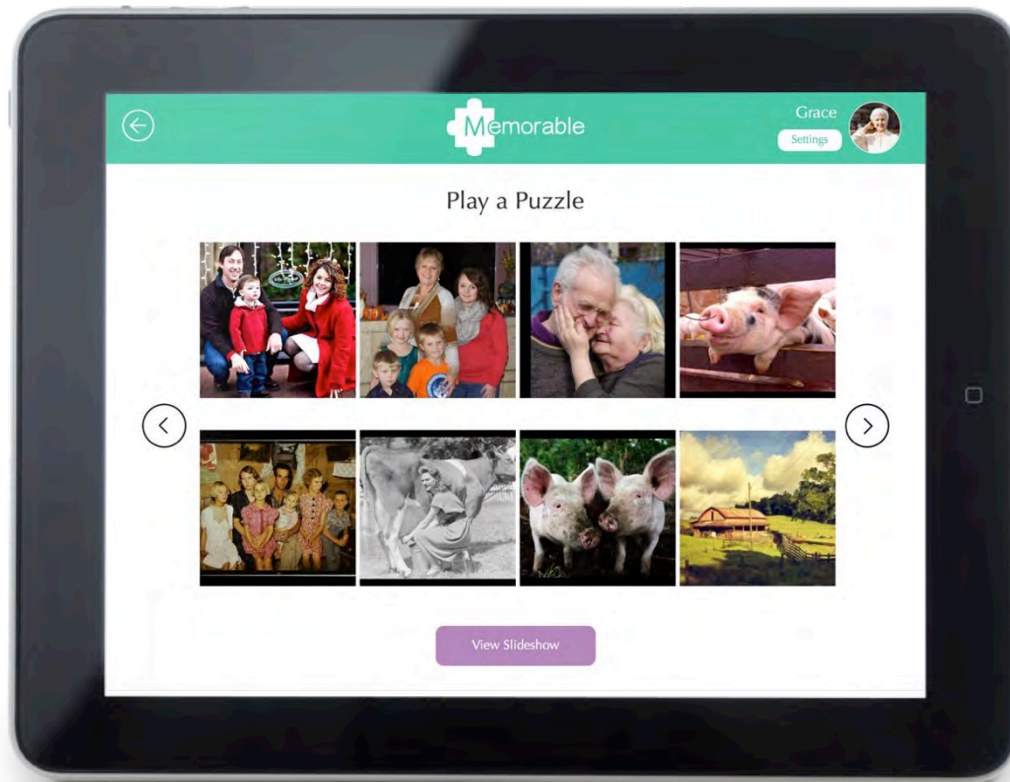


interview with a
BHI researcher

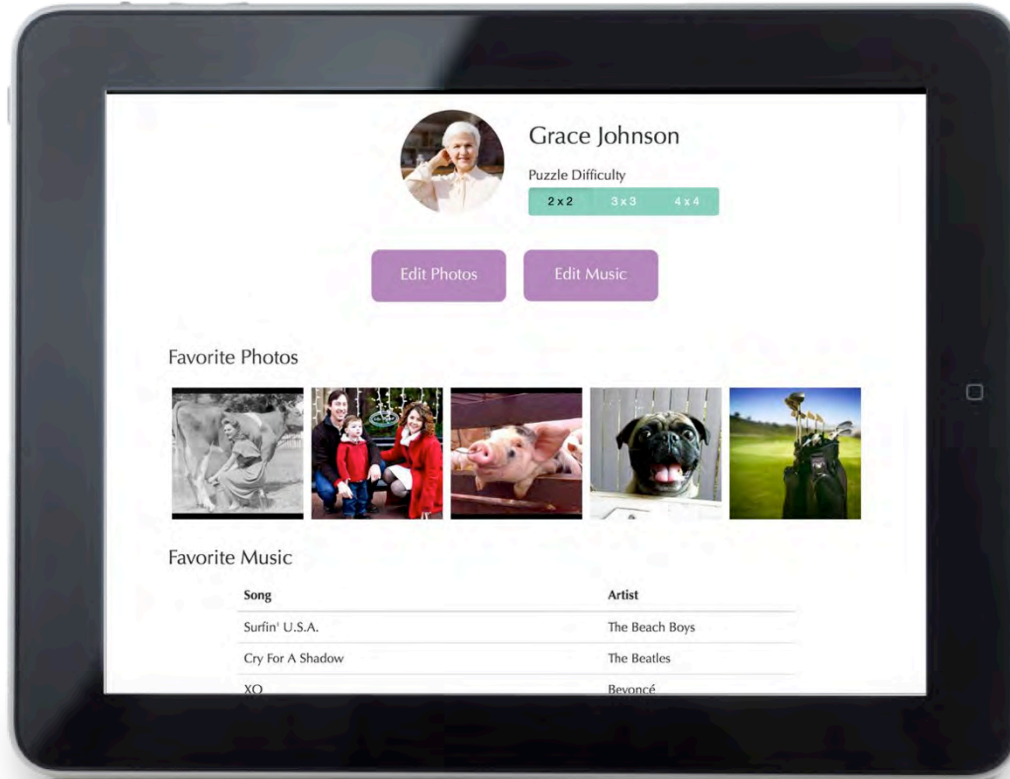
RESIDENT PORTALS



ENRICHMENT ACTIVITIES

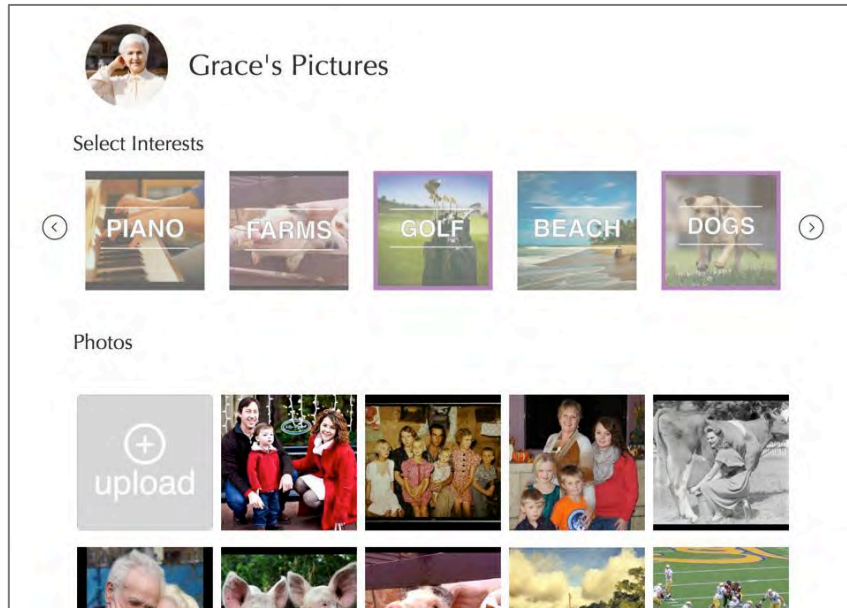


FAMILY VIEWS



DESIGN INSIGHTS

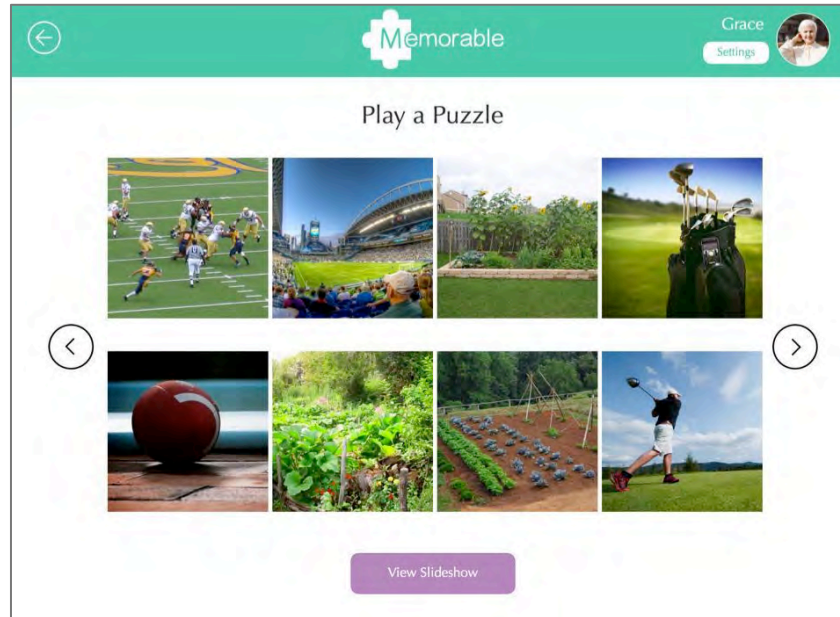
personalization | familiarity | family interest | repetition | constraints



family members manage content

DESIGN INSIGHTS

personalization | familiarity | family interest | repetition | constraints




residents enjoy engaging with familiar content

DESIGN INSIGHTS

personalization | familiarity | family interest | repetition | constraints

Favorite Photos



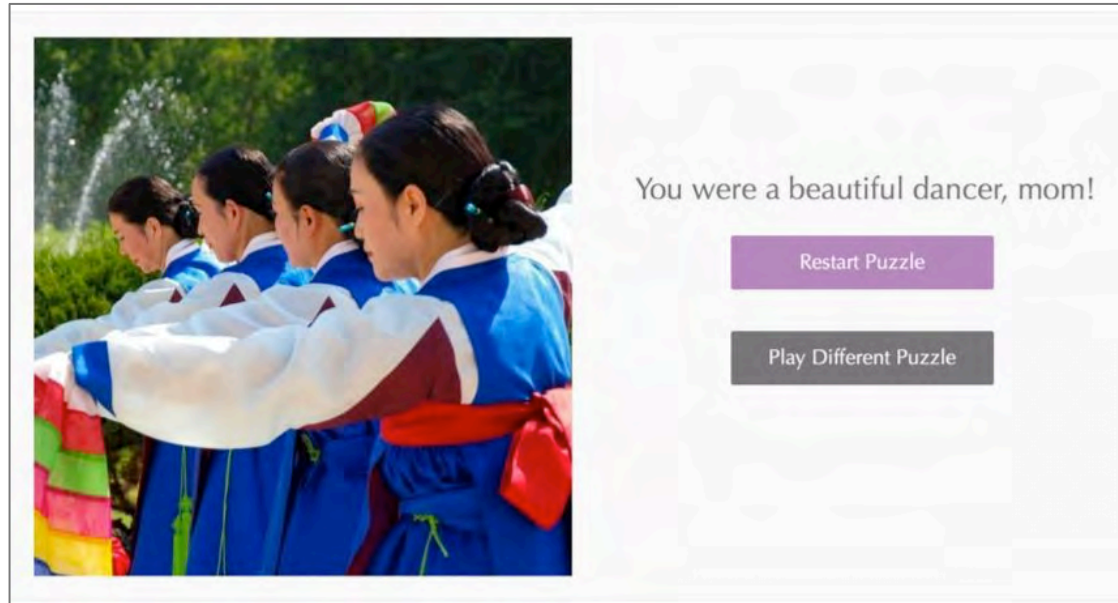
Favorite Music

Song	Artist
Surfin' U.S.A.	The Beach Boys
Cry For A Shadow	The Beatles
XO	Beyoncé

families are curious about how their loved ones are doing

DESIGN INSIGHTS

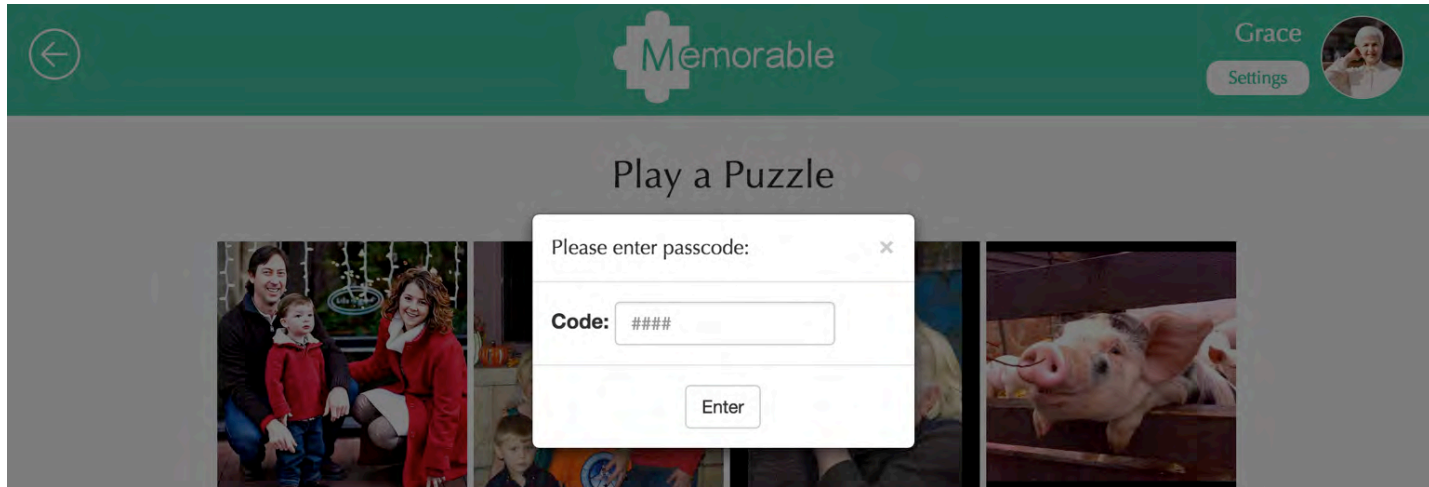
personalization | familiarity | family interest | **repetition** | constraints



residents replay the same puzzles

DESIGN INSIGHTS

personalization | familiarity | family interest | repetition | **constraints**



need simple navigation and limitations

SCENARIO

Esther plays puzzles and views slideshow



Choose a Resident

Enter Resident Name



Alfredo



Grace



Esther



Frank



Gerard



Winston



Eileen



Heather

SCENARIO

Anne visits her mother, Grace, at the care home



Choose a Resident

Enter Resident Name



Alfredo



Grace



Esther



Frank



Gerard



Winston



Eileen



Heather



thanks!

any questions?