



# Memorable

*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

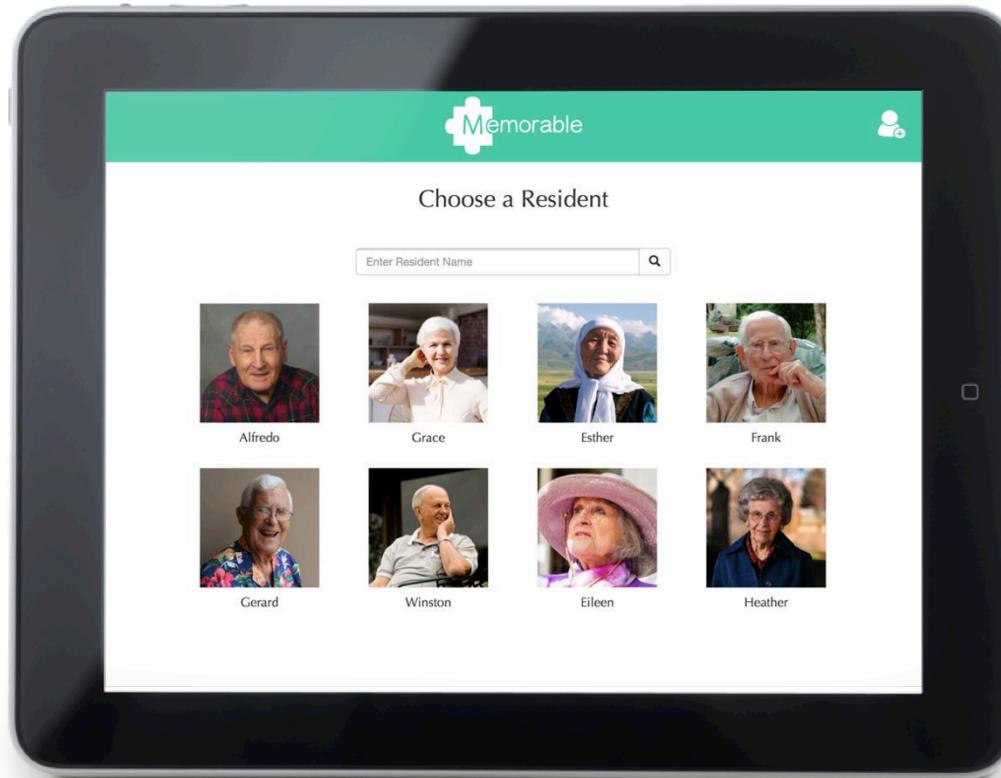


interviews with  
caretakers and  
family members

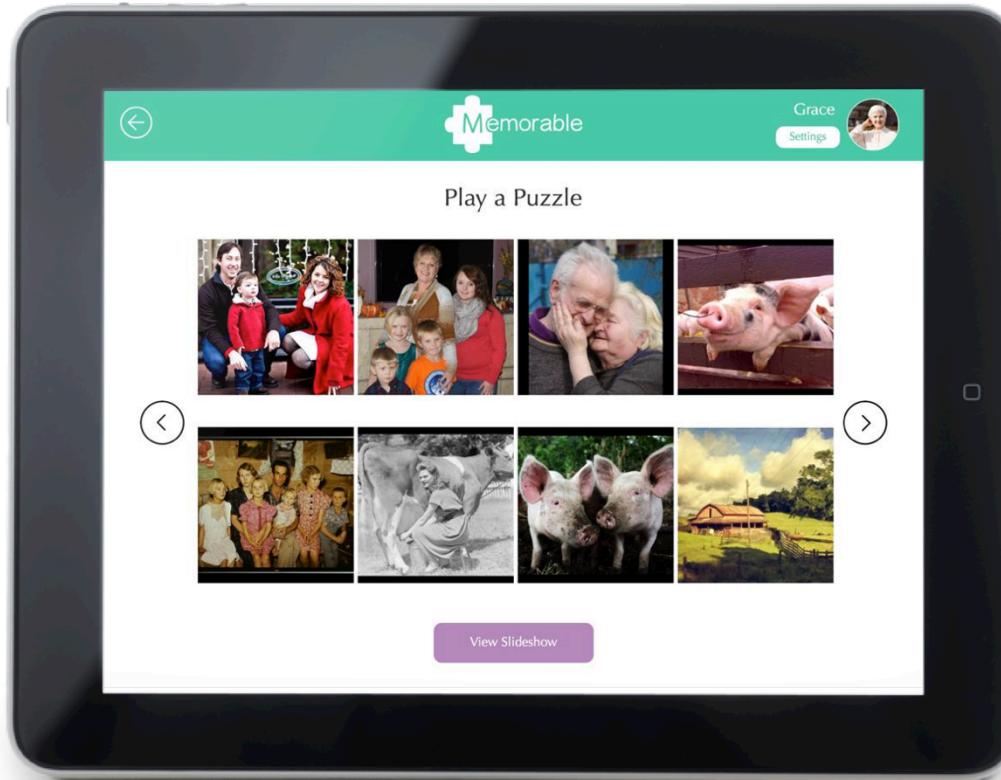


interview with a  
BHI researcher

# RESIDENT PORTALS



# ENRICHMENT ACTIVITIES



# FAMILY VIEWS

Grace Johnson

Puzzle Difficulty

2 x 2    3 x 3    4 x 4

Edit Photos    Edit Music

**Favorite Photos**



**Favorite Music**

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

# DESIGN INSIGHTS

personalization | familiarity | family interest | repetition | constraints

Grace's Pictures



Select Interests

PIANO FARMS GOLF BEACH DOGS

Photos

upload



Grace Johnson



Puzzle Difficulty

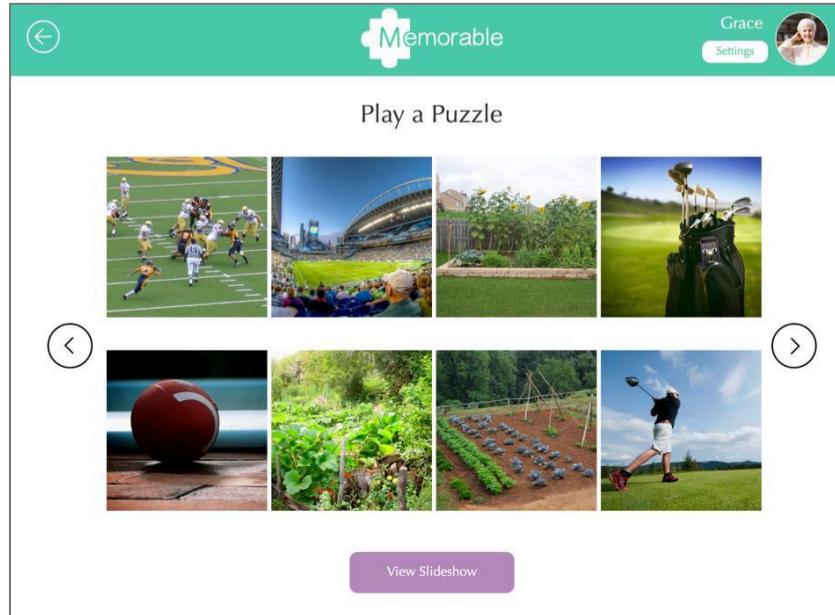
2 x 2 3 x 3 4 x 4

Edit Photos Edit Music

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
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families are curious about how their loved ones are doing

# DESIGN INSIGHTS

personalization | familiarity | family interest | repetition | constraints



You were a beautiful dancer, mom!

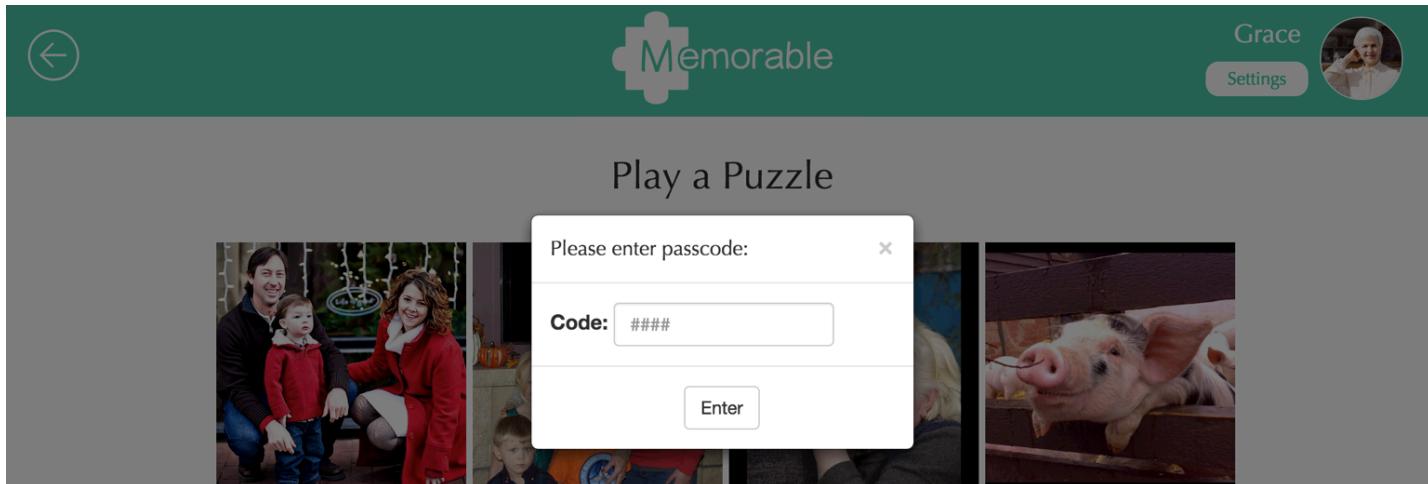
[Restart Puzzle](#)

[Play Different Puzzle](#)

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



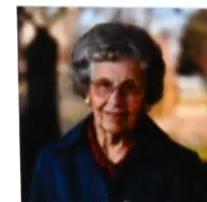
Gerard



Winston



Eileen



Heather

# SCENARIO

Anne visits her mother, Grace, at the care home





Memorable



## Choose a Resident

Enter Resident Name



Alfredo



Grace



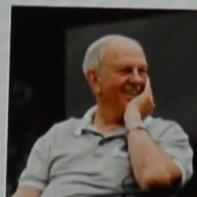
Esther



Frank



Gerard



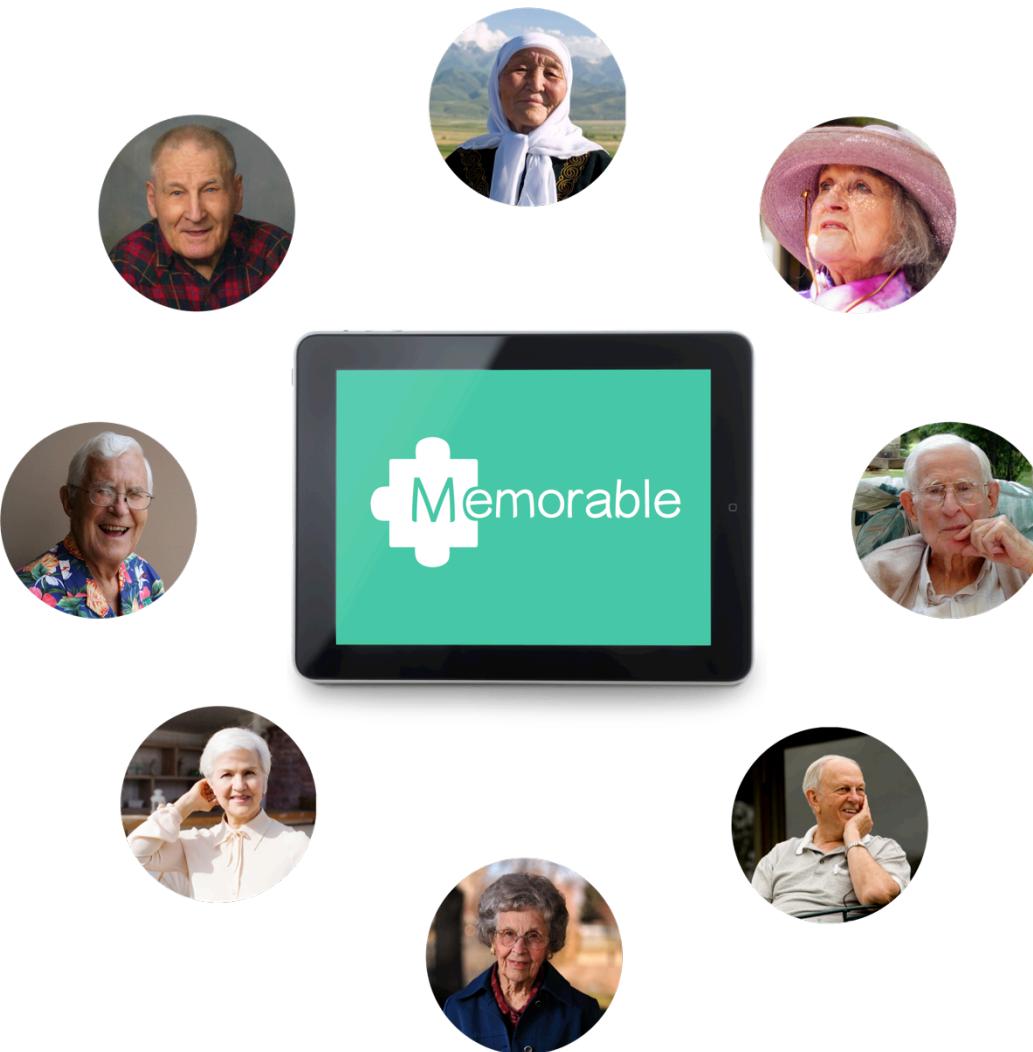
Winston



Eileen



Heather



thanks!

any questions?