

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

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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



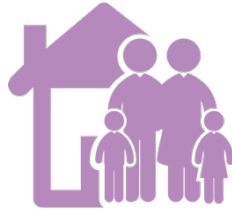
# DESIGN QUESTION

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

# FIELD WORK



volunteering at  
Briarwood  
Health Center

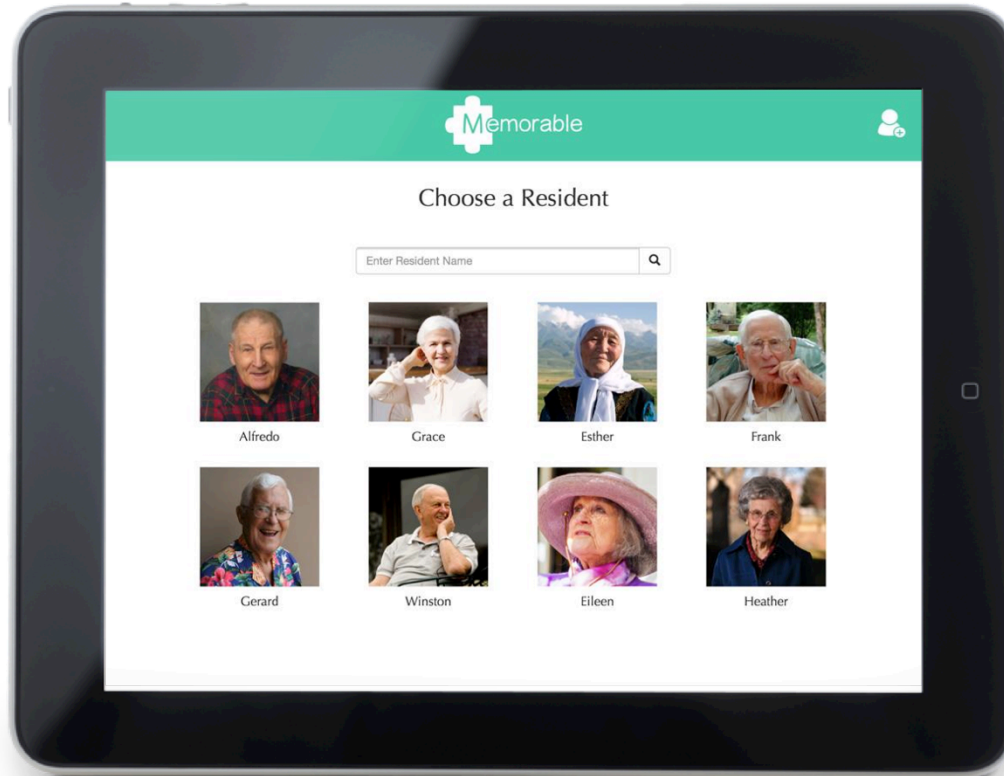


interviews with  
caretakers and  
family members

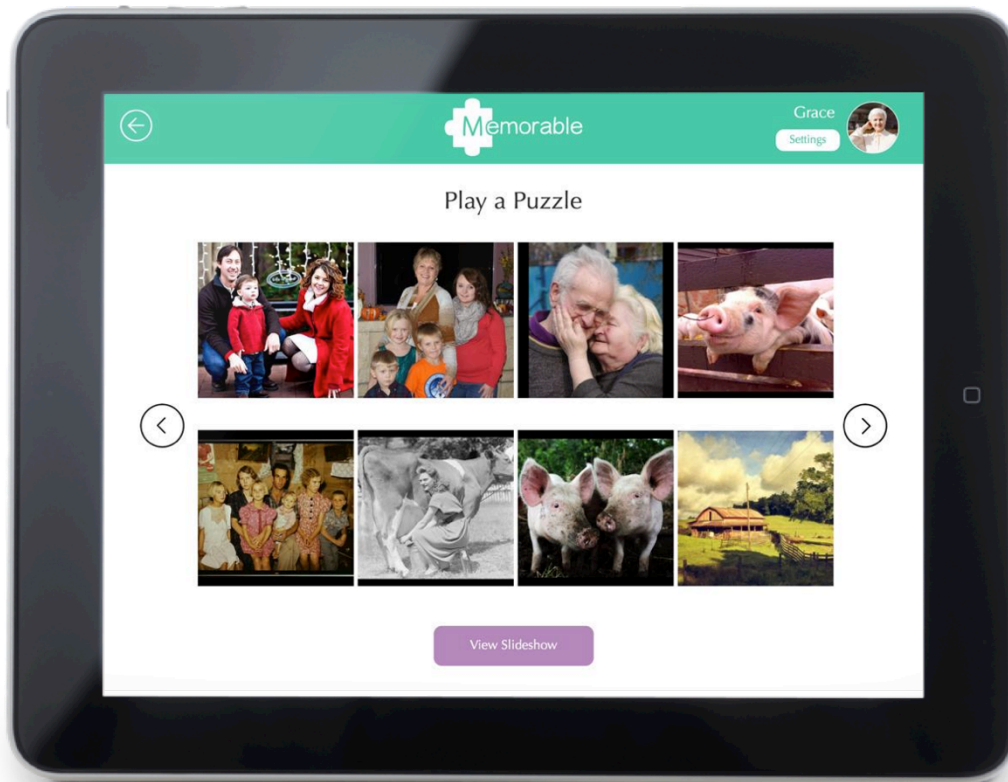


interview with a  
BHI researcher

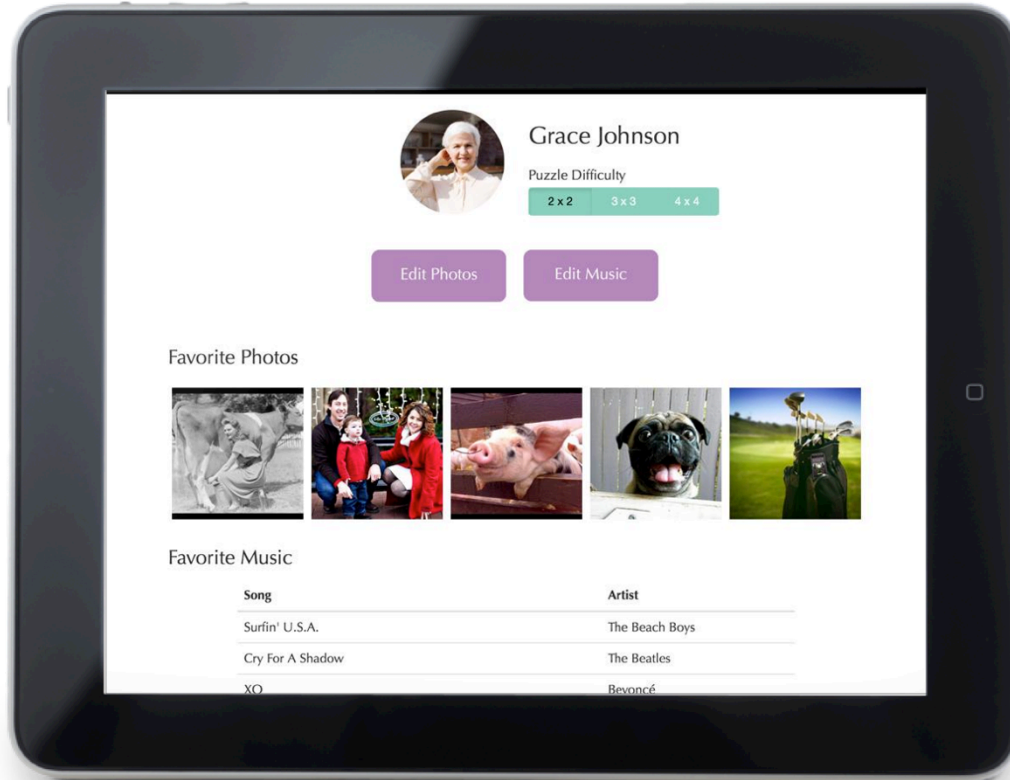
# RESIDENT PORTALS



# ENRICHMENT ACTIVITIES

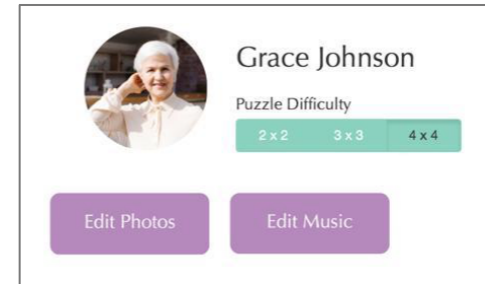
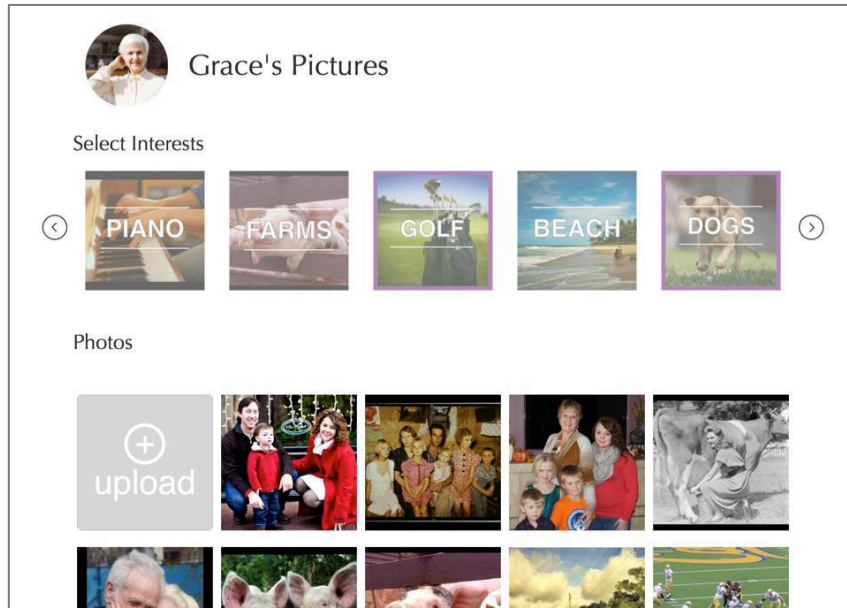


# FAMILY VIEWS



# DESIGN INSIGHTS

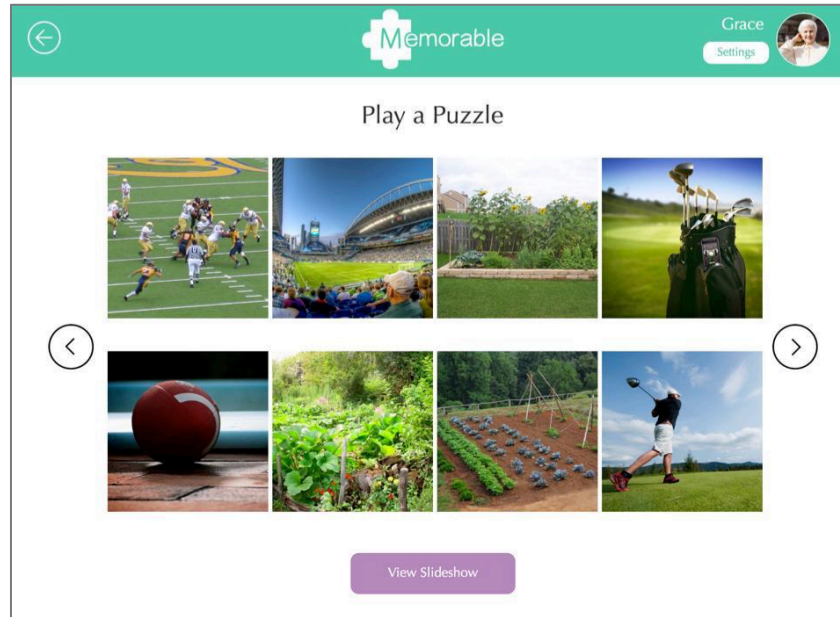
personalization | familiarity | family interest | repetition | constraints



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

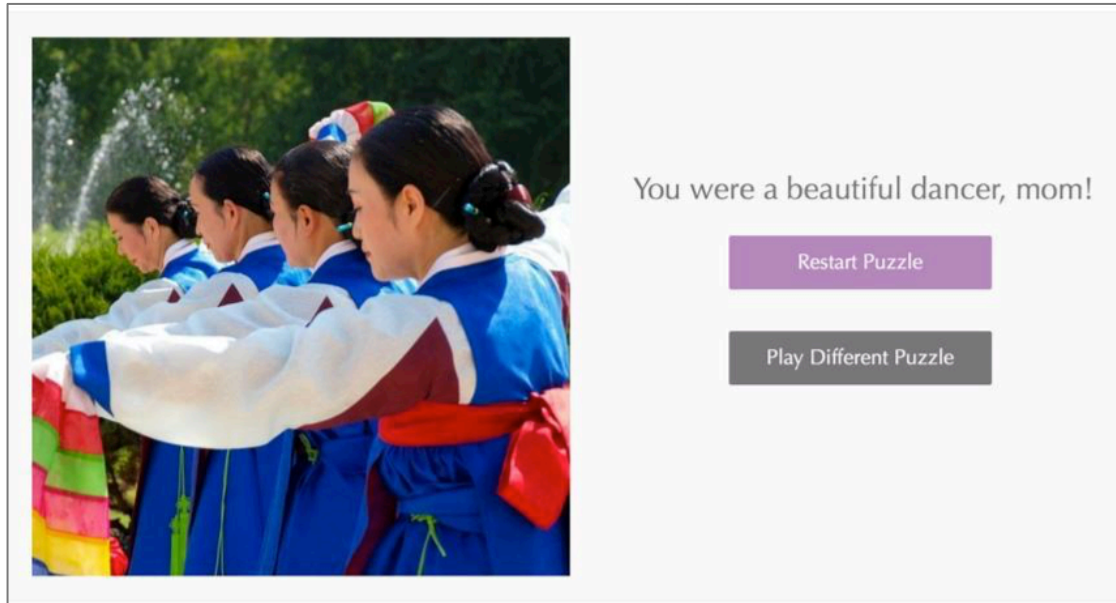
Song	Artist
Surfin' U.S.A.	The Beach Boys
Cry For A Shadow	The Beatles
XO	Beyoncé

families are curious about how their loved ones are doing



# DESIGN INSIGHTS

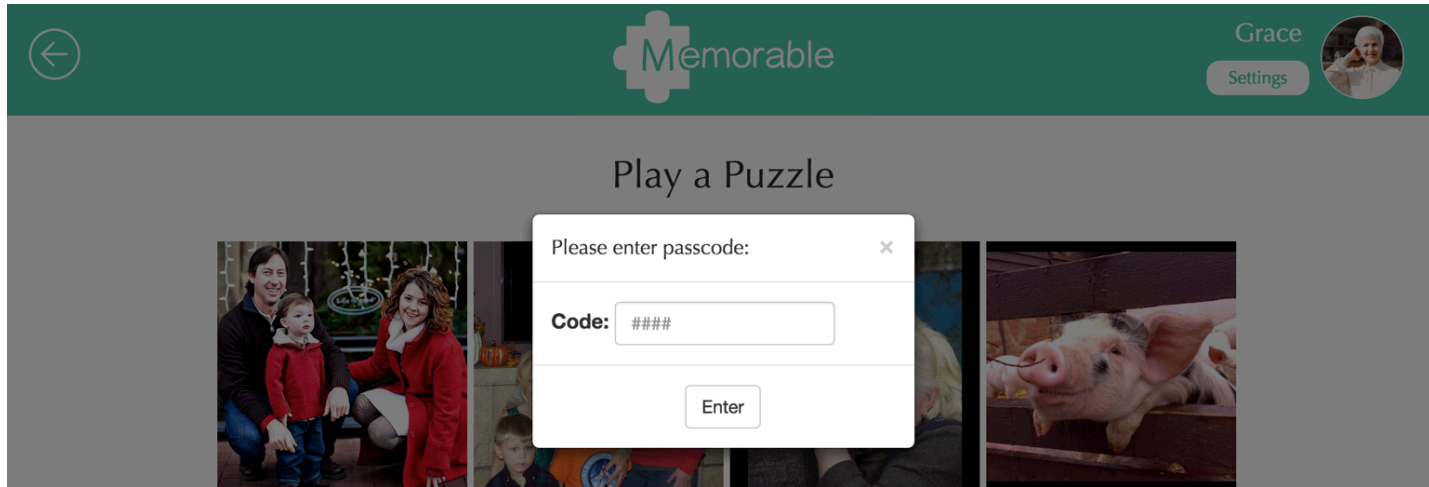
personalization | familiarity | family interest | **repetition** | constraints



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



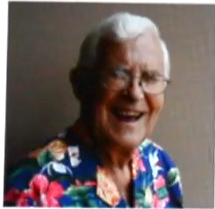
Grace



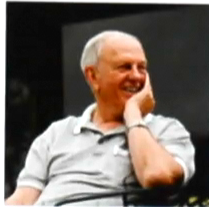
Esther



Frank



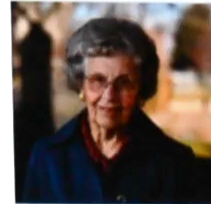
Gerard



Winston



Eileen



Heather

# SCENARIO

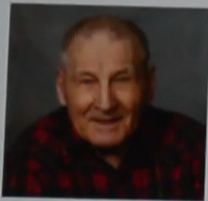
Anne visits her mother, Grace, at the care home





## Choose a Resident

Enter Resident Name



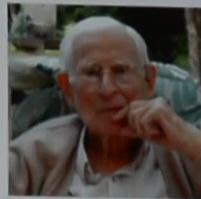
Alfredo



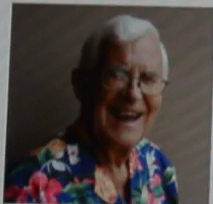
Grace



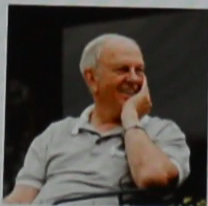
Esther



Frank



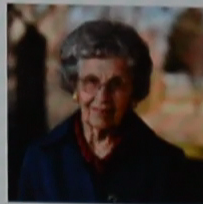
Gerard



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Eileen



Heather



thanks!

any questions?