

Happy Times

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Behavioral and Psychological Symptoms of Dementia (BPSD)

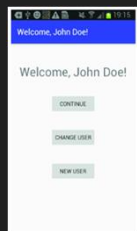
- Common - 80% of dementia patients
- Agitation
- Aggression
- Disruptive vocalizations
- Delusions
- Hallucinations
- Paranoia
- Depressive symptoms
- Apathy
- Sleep disturbances
- Wandering or pacing
- Resistance to personal care (bathing and grooming)
- Associated with worse prognosis, earlier hospitalization, and increased caregiver burden

BPSD Management Options

- Pharmacological options
 - Adverse effects like sedation
- Music therapy
- Reminiscence therapy

Solution - Happy Times

- A multimedia reminiscence therapy application to reduce BPSD in people with Alzheimer's



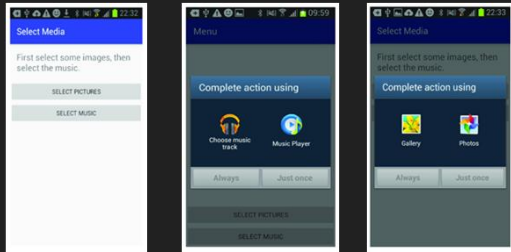
Adding or Creating a New Patient



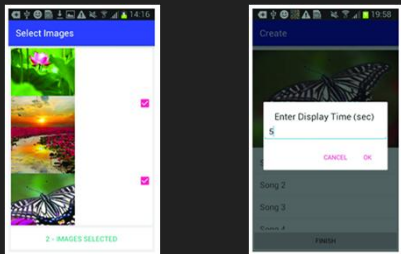
Main Menu



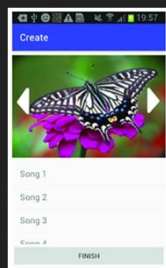
Create a New Show



Select Images



Finalize



Benefits

- Personalized to the user
- Doesn't require group setting
- Mobile and accessible to rural populations
- Will mitigate negative consequences of BPSD
 - Caregiver stress
 - Healthcare costs

Moving Forward

- Integration with Empatica E4 sensor to monitor user when using the application - IRB pending
- Trial with users to see if using the application affects Alzheimer's patients experiencing BPSD
- Ultimate goal is to create physiologic framework to predict onset of BPSD

References

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