

## Assignment 1b - Project Proposal

CSE 440  
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### Problem & Motivation

An increase in life expectancy causes the aging of populations. As aging starts, problems start to reveal. Most of the seniors have certain diseases caused by invertible aging process and those diseases not only cause the pain on seniors but also, more significantly, resulting in inconveniences in their daily life. Age-related memory loss is the most common inconvenience suffered by seniors. Memory loss usually begins gradually, worsens over time and impairs a person's abilities in work, social interactions and relationships. More importantly, loss of memory will result in dementia and cause safety-related issues. Hence, it is necessary to focus on senior's memory loss issue.



### Analysis

To live with the increasing memory loss situation, most of the seniors choose to take notes on calendar or writing on paper materials. However, there are some major concerns with those ordinary methods: 1) A long-time usage of eyes is not encouraged, which might lead to the vision problem, especially seniors who are wearing glasses; 2) A major number of seniors has assistive devices such as walker or cane. When seniors using those devices, it is not convenient for them to write or take notes to memory things at the same time. 3) There are chances that seniors forget where to store their materials of memory since they can not remember the location very clear. Thus, by providing a hassle-free and intuitive approach to keep track of daily routines and memory, senior people can live more efficiently with more time to enjoy their life.

### References

<http://www.ascseniorcare.com/wp-content/uploads/2016/08/bigstock-Confused-Senior-Man-With-Demen-116523626-300x200.jpg>

[http://media.beliefnet.com/~media/photos/health/healthy-living/aging/galleries/graceful-end-of-life-planning/shutterstock\\_7095022.jpg?h=318](http://media.beliefnet.com/~media/photos/health/healthy-living/aging/galleries/graceful-end-of-life-planning/shutterstock_7095022.jpg?h=318)