Alzheimer’s disease is one of common illness that many elderly people suffering from. Actually, many cognitive training programs are provided for them to avoid getting worse in this illness. The current training programs are paper-made and handled by therapists or social workers. Moreover, they may resist the training because they may be discriminated or even labeled as weak people.

Introduction

Reviewing photo is a main part in cognitive training. Also photo transition effects make photo displaying interesting and fantasy. Therefore, we embedded those cognitive training programs into our digital photo frame. Elderly people can get to the game mode by their cards where games were designed as cognitive training. Also, RFID (the similar technology used in Octopus card) was implemented for easy accessing the training. When players complete each game, performance is recorded automatically and a progress report about their recovering process is then generated for further analyzing.

Aims and Objective

The aim of the project is to provide effective and systematic cognitive training programs without labeling effects. With the interesting photo transition effects in photo displaying, a platform is provided for memory recalling of the elderly.

We hope that our product can help the elderly people and contribute our society.

Evaluation

Whether the games we designed are suitable for those elderly people is a critical issue in the project. In order to have an objective evaluation, we went to two elderly centers for testing our products. We found that the elderly people could play the games easily and they felt interested. Moreover, the social workers and nurses in the centers said that the product was a useful cognitive training tool for the elderly.

Conclusion

- It transforms paper-made cognitive therapy into digitized format.
- It generates an electronic report for professionals accessing / monitoring progress of the patient.
- It could improve the atmospheres of the center and the communication between the elderly people.
- It is recognized by the social workers and nurses as useful and practical.
- It is possible to implement this product in elderly people caring centers.
- It provides an environmental friendly product for photo displaying.