

Reducing cognitive impairment among dementia users through mobile application

ABSTRACT

Cognitive impairment includes the lacking ability to remember things, disorientation in remembering the current location, and the struggle to find the correct word. People with dementia (PwD) are often involved in this impairment. With that being said, this project proposes the use of a mobile application to help in improving their cognitive issues. To tackle this problem, features and functionality of a mobile application specifically for dementia users are identified which contributes to the development of a diary application. Identifying and gathering features from previous studies was the initial method. Development of the diary application followed the software development life cycle (SDLC) waterfall method and evaluation of the application was experimented with identified dementia users. The findings of this project are the application set of guidelines gathered from literature into the diary application. Four verified dementia people were involved in the evaluation of the effectiveness of the application. The evaluation of the application includes some good points. Some parts of the application are pointed out for their unsuitable design and suggestions are given to improve the application in the later future.