Unit Design of New Silver Town

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Abstract: The development of industrial society brought about the highly-aged society, facilitated urbanization and nuclear families and changed conventional society and even the values. The increased silver family in which an aged person lives due to nuclear family orientation created another issue that a solitary aged person should live in a house solely. And the desires from the aged who live in a better economic situation are diversified, which requires various residential environments and services provisions, not just special care for them. In line with the above situation, this study aims at considering the characteristics of a unit residence plan to accept residents’ needs according to changed life style of the aged.

This study analyzed the meaning of life style, changing trends and factors of changed residential culture and extracted the needs of users, making them as fundamental data for designs in the future. The method in the study is to review the previous studies thoroughly and to collect user interview results by researches to theoretically establish them. Thus, the study first analyzed the changes of life style and the factors to change society. Then, based on the above analyses, it extracted needs of inhabitants and combined them with the smart space concept, presenting a unit residence of smart silver town, which is corresponding to the current technology of digital era.

1. Introduction

The development of industrial society brought about the highly-aged society, facilitated urbanization and nuclear families and changed conventional society and even the values. The increased silver family in which an aged person lives due to nuclear family orientation created another issue that a solitary aged person should live in a house solely. And the desires from the aged who live in a better economic situation are diversified, which requires various residential environments and services provisions, not just special care for them. In line with the above situation, this study aims at considering the characteristics of a unit residence plan to accept residents’ needs according to changed life style of the aged.

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2. Consideration of the aged residence by life style changes

2.1 Fundamental design directions for the aged people

The residential place for the aged differs from ordinary house in view of spatial configuration and size and is equipped with safety facilities to prevent safety accident. Facilities for the aged and service systems should be able to support the desires of the aged who requires special needs and necessity. The residential environment for the aged shall not consider the special environment only for supplementing their reduced physical and mental ability and more importantly, it should reflect the characteristics and needs of the aged people.

2.2 Changes of a life style by new social environment

Changes of life style acts on a main cause to change housing environment. This paper suggests new silver unit with adaptability to accomplish the changed life style which are comfortable, convenience and smart environment. The resident units provide space that consider variability, multipurpose, adaptation and intelligence.

2.3 Needs based on changed life style

As the recent studies on the aged showed, it was proven that most of them did not wish to live depending on their offspring.

In addition, a tendency to regard levels of pleasantness, convenience, environment and information-oriented importantly, which reflects the changed life style, appeared as well. Therefore, information-oriented and the state-of-the-art orientation for residential space techniques requires to make a residential space convenient, highly efficient and functional, and flexible division of a space with variability.

2.4 New design principles of residential unit for aged

The modern society has an issue concerning health control due to the highly aged society, so recently, healthcare and smart
3. Conclusion

This study is to suggest residential space design principles of aged people with corresponding to changed life style. It should provide an environment that they could avoid any risky situation by using many sensors to detect physical conditions and psychological characteristics and anticipate coming situations, and to provide directions of methods to secure their lives comfortably. Therefore, it has the significance to extract the needs of the inhabitants of aged people and find out components suitable for a unit design of smart silver town, based on changes in the current residential culture. Changes of life style acts on a main reason to change housing environment. New silver unit should provide space with adaptability to accomplish the comfortable, convenience and smart environment that consider variableness, multipurpose, adaptation and intelligence.

For further studies, it shall need the detail architectural plan and detail smart system to be a foundation for the aged in the 21st century reflecting the architectural directions and the stream of future residential culture for a smart silver town to accept inhabitants’ needs as a new space embodied spatially the availability and values through theoretical and technical analyses.

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