LUMA INSTITUTE

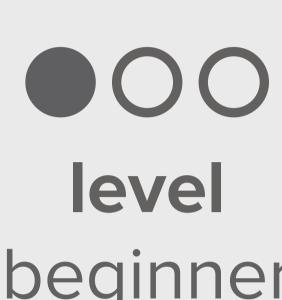
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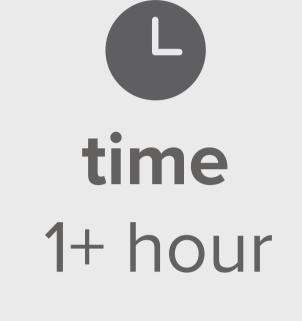
A short document summarizing the key principles and elements of a proposed solution

Ouick Reference Guide









YOU CAME UP with the idea—now is your chance to write the rule book. A Quick Reference Guide ensures that your original design intent is maintained as the idea moves from conception through production and beyond. Since clarity is the goal, a good guide is essential. Everything pertinent to the design—style, form, composition, and conventions—is contained in one document that provides an orientation for those unfamiliar with the concept. Therefore, it must be easy to digest, yet thorough enough to convey necessary information to a wide variety of people.

Begin your Quick Reference Guide as early in the process as you can. This will offer you a chance to clearly articulate your team's design rationale as soon as you begin making decisions. Then the document can evolve along with the project, eventually containing all of the information that defines the design. When completed the document should answer these questions: What is it? What are the elements? How does it work?

Agenda

- 1 Identify the Topic
- 2 Document a Solution
- 3 Document a Research Project
- 4 Document a Project Plan
- 5 Present

Resources



FOR DETAILS

1 Identify the Topic

Personal assistance for senior citizens who are self reliant

2 Document a Solution

To create a IOT device which is beneficial and user friendly for senior citizens who wish to be self-reliant





B Document a Research Project

Personal assistance for senior citizens who are self reliant

Additional Details

Consequences arising from the population aging can be supported by assistive technologies to maintain senior citizens' autonomy. However senior ciitzens' opinions on the assistance of health related technologies and their attitudes toward agingand care largely remain underexplored.

Health enabling technologies are applied, substantial progress can be made toward more patient centered care. Considering the increasing prevalence of chronic diseases and complex medical conditions as well as the growing demand for health care delivery resulting from the population aging, especially the older part of society can considerably benefit from health related assistive technologies in their daily lives. Utilizing such technology may thus prove beneficial not only to senior citizens themselves, but also to their caregivers.

Investigating the seniors' acceptance of technology, there many reasons to involve subjective, mentally driven concepts of aging into the research.

Additional Details

Research questions:

- 1. How do seniors' accept assistive technology in general?
- 2. To what extent are specific technological applications accepted among seniors'? Answer:
- 1. For perceived benefits and barriers and intention to use.
- 2. Prompting system, Frailty monitoring, Support to people with dementia, Activities of daily basis. After a survey analysis on seniors' the following statements are received from them: "I would like to stay in my own four walls as long as possible and be looked after there", "I would like to do things more independently", "I would often feel dependent during care", "I would make arrangements to be more independent", "In my everyday life I would improvise to be able to do things myself".

On the level of the single statements, participants confirmed the usefulness of the assistive technologies and showed a general preparedness to

Additional Details

The concern that the "human attention is replaced by technology" reached the most relevant disadvantage, while the "lack of confidence in technology" was revealed as the least relevant disadvantage of using assistance systems.

The most accepted technical applications were the frailty monitoring and functions supporting people with dementia. The prompting systems that provides remainders for daily procedures or events like washing hands or medication intake, reached a higher acceptance. In addition, respondents positively evaluated apps regarding frailty monitoring, enabling health analyses, speech based communications, observation of body changes an etc. Yet looking at the evaluations of assistive technology, participants readily accepted sensors integrated in smartphones or wrist

In summary, it can be stated that seniors' posed an accepting attitude toward assistive technologies.



Double click to add sticky notes



