

# Assignment 3

## 1: Writing your problem definition

Who has the problem?

- people who don't live alone
- people who like to exercise
- people who have someone to avoid disturbing while asleep

What is the problem?

- user can't exercise freely to avoid waking a baby
- user takes pains to open closet, change clothes as well as other activities

What are relevant context factors?

- size of house especially bedroom
- cultural stereotypes like baby should sleep with mom
- electricity consumption
- noise generation

What side effects need to be avoided?

- baby, wife, & personal safety
- baby's health, including allergy skin irritation, auditory problems, etc.
- energy overconsumption

Which actions are admissible?

What are the constraints that you need to work within?

- baby should sleep with parents
- for indoor use design noise, smell, harmful gases should be avoided
- time since design would only be useful for 2-3 months per new baby

## 2: Formulating a design challenge

“I want

*parents*

(target users)

to

*stop worrying about the noise they*

(effect you want to accomplish)

*make around their newborn during*

*the first months of their baby*

because

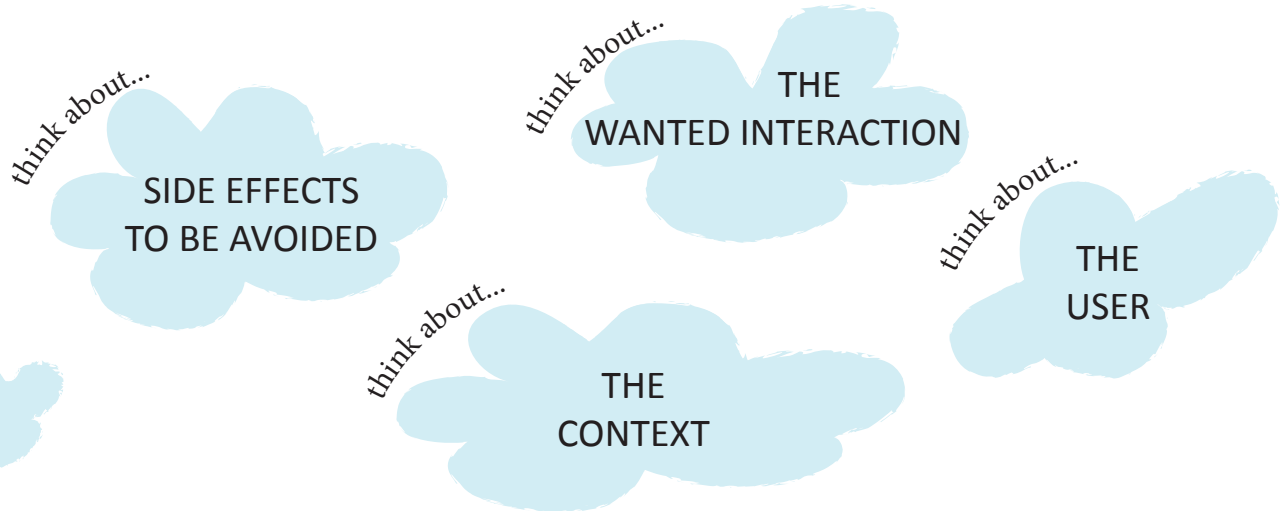
*part of their ritual gets prolonged or*

(reason(s) why this effect is relevant for your user in this context)

*eliminated to keep the baby asleep*

”

### 3: Writing a preliminary list of requirements



#### Preliminary requirements

- quiet
- reliable
- portable
- practical
- lasting
- simple
- convenient
- aesthetic
- slick
- streamlined
- indoor
- compact
- energy efficient
- baby friendly
- affordable
- quaint
- ergonomic
- soothing
- neat
- empowering
- righteous
- excellent
- inspiring
- energetic
- creative
- innovative
- ingenious
- likable
- interesting
- environmentally friendly
- recyclable
- sanitary
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