

# Brainstorming Process

Physical Communication Board;  
Individuals with autism



User feedback 1:

- Cost ineffective compared to other present alternatives
- Already in the market

Digital Communication Board  
with interactive games ;  
Individuals with autism

User feedback 2:

- Difficult to test on the children
- Need to be highly suited for each individual

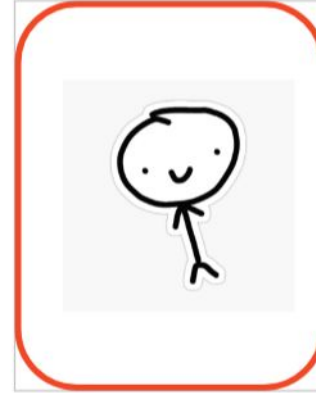
Application : Teaching aid ;  
Educators in special needs

Research:

- Narrowed down to social stories

Application : Social story  
maker;  
Educators in special  
needs

# User Personas



Name: Edward

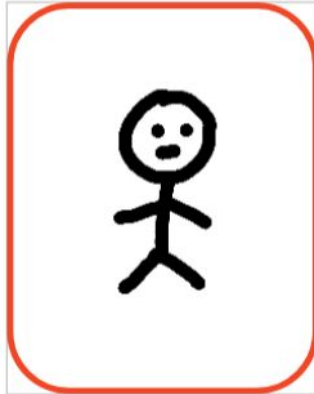
Age: 7

Occupation: student

Key Characteristics:

- unable to verbalise thoughts
- parents find it difficult to understand him
- tends to be misunderstood
- doesn't see the need to communicate
- sits and plays by himself
- had been advised to learn to communicate using the communication board

Behaviour Patterns, Goals, Needs, Frustrations, Motivations



Name: Frank

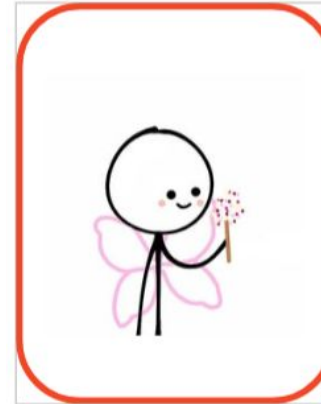
Age: 37

Occupation: behind the scene cleaning staff

Key Characteristics:

- Relies on family for support (financially, emotionally)
- Unintentionally hurts family members and feels bad for doing so
- wants to be seen as a reliable elder brother
- Is able to manage his meltdowns most of the times, but sometimes, under high pressure and massive environmental changes, his meltdowns include destroying things around him.

Behaviour Patterns, Goals, Needs, Frustrations, Motivations



Name: Kayla

Age: 10

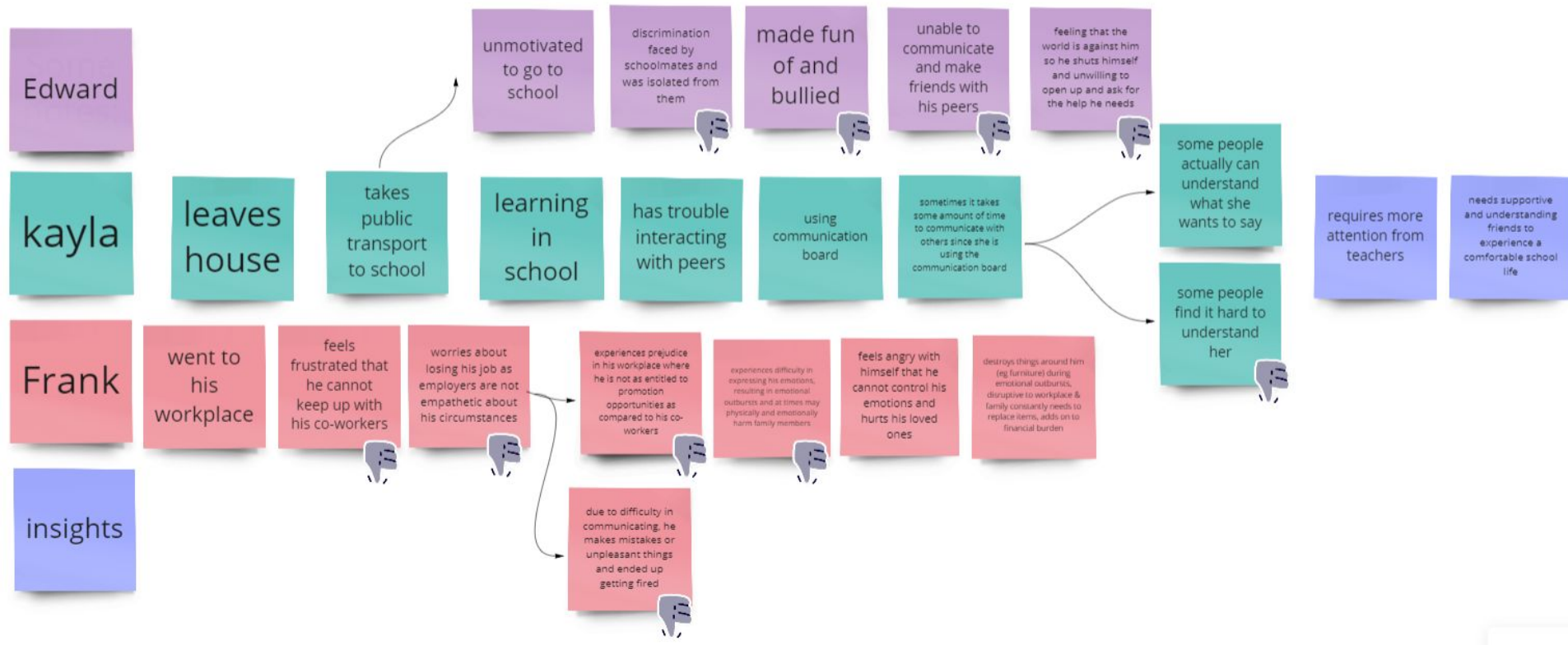
Occupation: student

Key Characteristics:

- enjoys attending school for special needs
- is able to use a smaller version of the comms board to talk to her family members
- currently learning how to order food in school

Behaviour Patterns, Goals, Needs, Frustrations, Motivations

# Mapped out potential user interactions with our product



# User Validation

Conduct  
Surveys and  
User  
Interviews

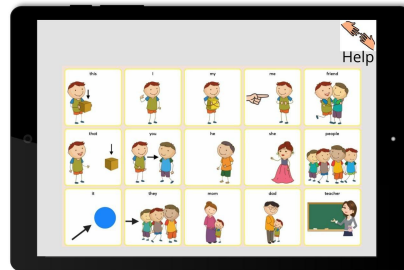
Identify  
user's needs  
and pain  
points

First  
iteration of  
our  
prototype

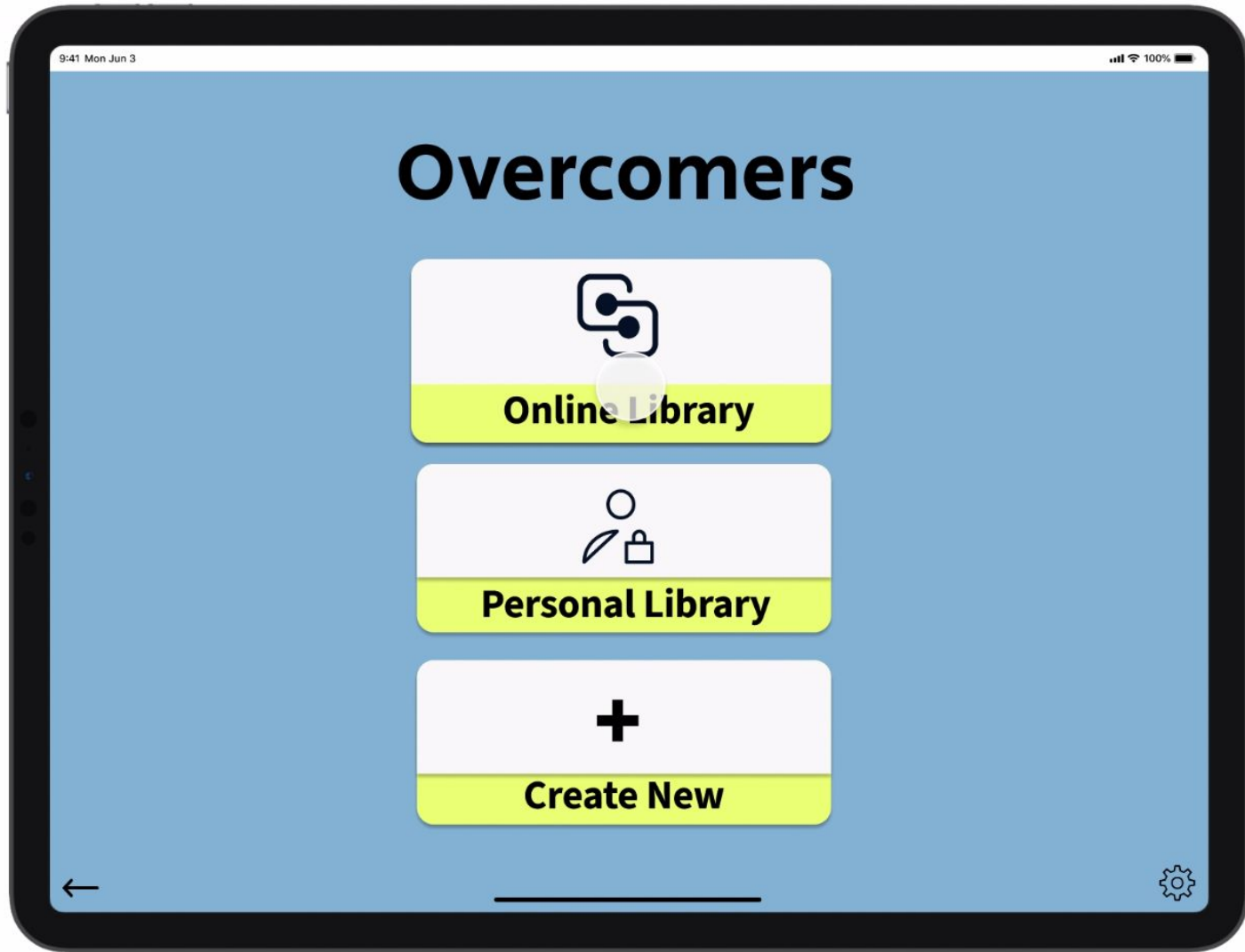
User Testing  
and  
Feedback

Second  
iteration of  
our  
prototype

User Testing  
and Refine  
our  
prototype



# Our Figma Prototype



# Online libraries



# Create your own Social Stories

