UXG2570 - USER RESEARCH I

FALL 2022

Assignment 2: User Research

Behaviour Correction In A 5 Year-Old



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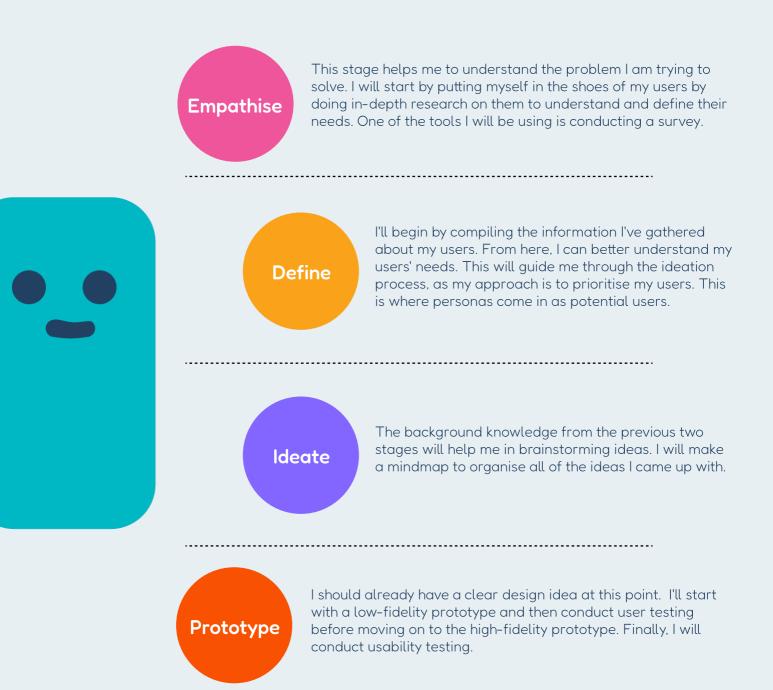
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Design Thinking Process

This project will be completed using the Design Thinking Process. The Design Thinking Process is user-centered and focuses on seeing things through the eyes of the users. Therefore facilitating creative problem solving and redefining problems to create a design that serves to cater to the users' needs. The Design Thinking Process consists of 4 main stages. The stages are as follows:



01 Empathise



UXG 2570 Assignment 2

Overview

Chosen Task

Behaviour correction in 5-year old.

Main Users

5-year old and their parents.

Challenges for 5-years old

At this stage, A 5-year old's motor skils are developing. They will be able to tie shoelaces, use zips and buttons, and brush their hair. Although they enjoys independence, they still require their parents' love and attention. According to an article titled '4-to 5-Year-Olds: Developmental Milestones' a 5 year-old understands and obeys rules; however, they will be demanding and uncooperative at times.

They do not take critiscm or discipline well. As a result, it is common for children aged 5 to misbehave and refuse to listen to their parents or caregivers as part of their social development.

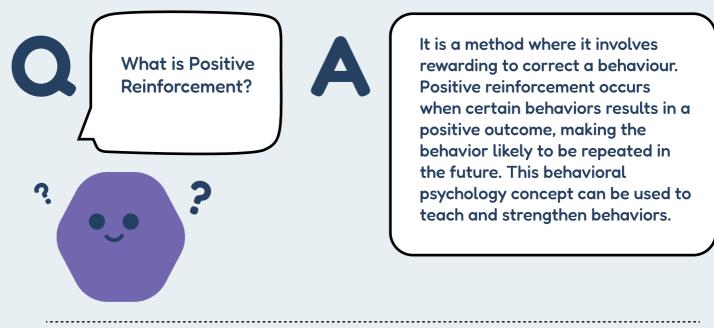
Challenges for parents with 5 - years old

It is common for parents to feel tired and frustrated while caring for their children. The responsibility of raising healthy, happy, welladjusted children can be overwhelming for parents at times. Parents are often afraid to say no to their children, according to an article titled 'The Evolution of Parenting: Five Biggest Challenges Faced by Parents Today.' They don't want to be known as the bad parent.

It is common for children to not listen to their parents as part of their social development. As early as the toddlers years, some children may deliberately misbehave to see how parents and caregivers react. So what can parents do to get their kids to listen to them without having to scold, nag or say no all the time?

Background Research

Positive Reinforcement



Parents using Positive Reinforcement in their child

Positive reinforcement involves parents recognizing their child's good behavior, either with verbal praise, loving touch or other rewards. It's a way of parents proactively giving their child positive recognition, rather than only giving them feedback when they have done something wrong. Kids as young as 5 years old loves getting attention from their parents. Positive reinforcement helps fill that need to be noticed and cared for while parents teach their toddler which behaviors they should engage in more often.

For example, when a child puts the dishes to the sink, parents praise them for putting the dishes before being told to do so. Or being kind to other people, parents reward them with rewards such as an ice cream.

Survey

The purpose of this survey is to better understand what are some of the challenges parents face when raising up their 5-year old.

Target Users

Parents with kids that are 5-year old.

Mode

Surveys (Via Google Forms)

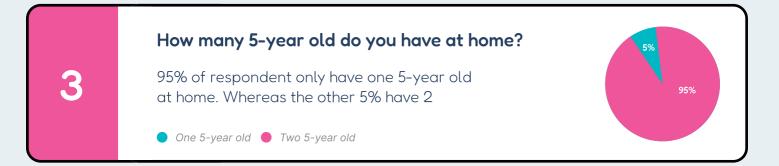
Survey - Findings

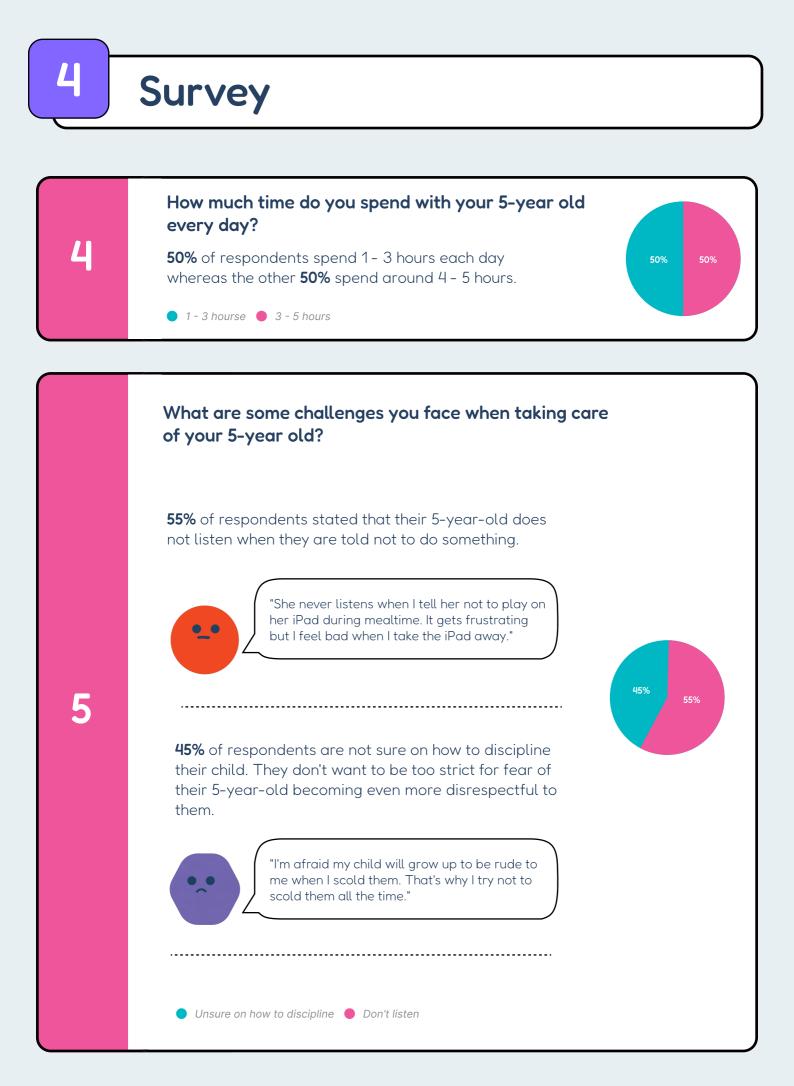
This section will include the results of the online survey, which were done by 10 people.

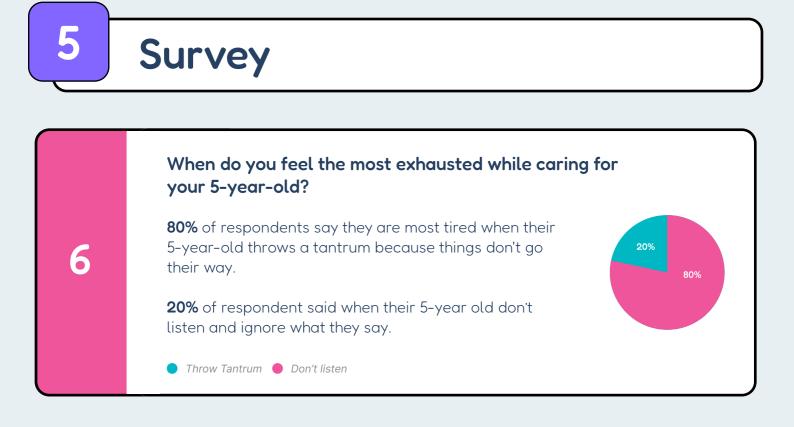
A. Demographics

Age Group The respondents are ranged from 24 - 35 years old.

Occupation	10%
Most respondents are stay-at-home parent (60%) followed by those that are working (30%) and caregivers (10%) • Working • Stay-at-home parent • Caregivers	40% 60%







Positive reinforcement is a method of correcting behavior by rewarding. Praising your 5-year-old for cleaning their toys is an example. Have you tried this method while caring for your five-year-old? If yes, describe the results of using this method.

All respondents mentioned that they use this method at times and the outcome is always good.



"Whenever I reward my son with toys or ice cream, he repeats his good behavior, such as brushing his teeth before going to bed. However, I realise that constantly rewarding him may not always be beneficial because he now has way too many toys."

"I promised my daughter that if she behaved while I was at home for my online meeting, I would take her to the playground." I fulfilled my promise. The next day, she brought up the playground, while I was preparing for another online meeting. She was hoping I would bring her there if she behaved." 6

Survey - Summary Analysis & Conclusion

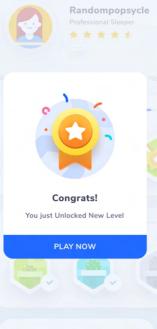
Common Behaviour	It is evident that throwing tantrums and refusing to listen to their parents or caregivers is common for a 5-year old when things don't go their way. This is just one of the many things that can exhaust and frustrate any parent, both stay-at-home and working.
Positive Reinforcement	Almost all respondents are aware that they use Positive reinforcement when teaching their 5-year old. from the survey results it is obvious that they receive positive outcome from using the method. However there are quite a number who mentioned that rewarding all the time may not be that beneficial.
Discipline	According to the results of the survey, most parents or caregivers are unsure of how to discipline their child. As a result, many of them are reluctant to say no. it is obvious that not everyone knows the best way to teach and discipline a 5-year-old.

Conclusion

Being a 5-year-old is difficult because they are at the stage where they are learning a lot about the world around them. Such as comprehending and adhering to rules and fully understanding their own emotions. As a result, when things don't go their way, they may come across as misbehaving and rude to their parents. So, how do they change this behavior? They require the assistance of their parents. Praise, loving touch, and rewards will help a 5-year-old correct their behavior in a positive way.

Heuristic Evaluation











Help and Documentation:

The User Interface shown does not require a need of additional explanation. It is easy to understand as they use words that are familiar and accepted worldwide. This is one of the things that I will mostly look out for as my users are 5-year old and adults.

Match Between System and Real World:

The design speaks the users language as the colour choices and icons used are something that a 5-year old would be familiar with.

02 Define

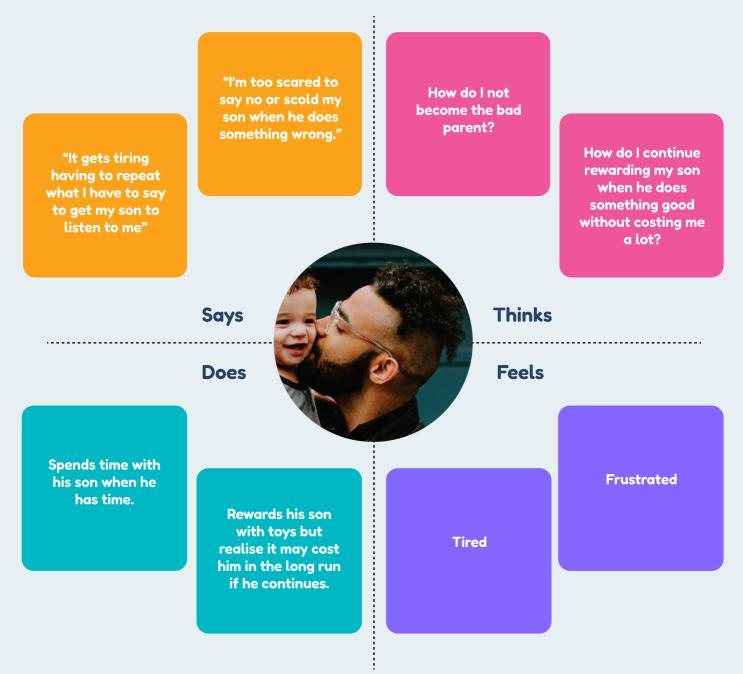


UXG 2570 Assignment 2

Empathy Map

Persona 1: Danial (Parent)

This highlights information and observations from the survey that capture the persona's perspective, Danial.



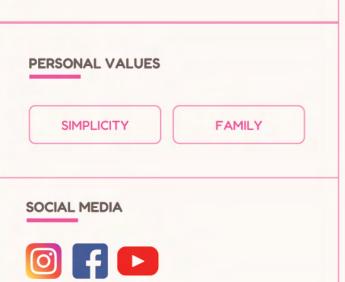


DEMOGRAPHIC

Age: 27 Family: Married, 2 kids Occupation: Software Engineer

BIOGRAPHY

Danial is married to his wife, and they raised their beautiful child, Mikael, together. When Danial returned home from work, he spent the majority of his time caring for Mikael. He is a busy man, but he still wants to play an important role in Mikael's life and be there for him.



QUOTE

"I want to be able to control my child when he misbehave and let him be more mindful of his action.

CORE NEEDS

- An app that allows me to set goals for my child.
- An app that allows me to incentivise my child's good behaviour, while penalising poor behaviour.

PAIN POINTS

- Simple UI for me to quickly check my kid's progress.
- When my child behaves well, I like to reward him with toys. However, it can be costly in the long run.

BEHAVIOURS

- I prefer an app that allows me to easily track my child's behavior.
- I like apps that has simple UI but still colourful and entertaining.
- Because I am a busy person, setting up the account should be simple and seamless.

MOTIVATIONS



User Journey (Danial)

Scenario

Danial returns home from work to find his son, Mikael, not helping his mother in cleaning up his toys after playtime. Danial felt that his son should help clean and decided to reward him if he helped his mother clean his toys. Danial promises to buy him a new toy if his son helps out. Mikael was overjoyed and promised to help. Mikael helped his mother clean up his toys after playtime the next day, hoping to get the new toy and have his father notice his good behavior. After A few weeks, Danial fulfilled his promised and bought his son a new toy.

User Journey Map

An overview of the steps taken by Danial to correct Mikael's behaviour by rewarding him with a new toy.



Empathy Map

Persona 1: Rosie (5-year old)

This highlights information from the user and background research that capture the persona's perspective, Rosie





DEMOGRAPHIC

Age: 5 Family: Lives with Mum and Dad Occupation: Student

BIOGRAPHY

Rosie is an adventurous kid who loves playing around. She is mischievous and laughs a lot. She can be a handful at times, but when praised, she listens and behaves well.

PERSONAL VALUES

TOYS

KINDNESS

SOCIAL MEDIA

QUOTE

I dislike learning, but when there are rewards involved, I am motivated to do the right thing and correct my behavior.

CORE NEEDS

- I enjoy using apps that has vibrant colours
- I want to be able to set rewards to goals
 I set for myself in an app.
- I need to have a lot of images and icons in an app to grab my attention

PAIN POINTS

- The app contains numerous and unfamiliar words.
- Too simple design that does not catch my eyes.

BEHAVIOURS

- When I open an app, I expect to see images because I am still learning new words and vocabulary.
- Cute animated characters attract me.
- I like colourful designs.

MOTIVATIONS



User Journey (Rosie)

Scenario

It is lunch time and Rosie does not like the food cooked by her mother. She refuses to eat and demands to eat cereal. Her father scolded her and told her to stop whining. Rosie dislikes it when her father scolds her, so she refuses to listen and begins to tantrum. Her mother said that if she eats the food, she will be rewarded with ice cream after lunch. Rosie was motivated to get the ice cream, so she starts behaving well and ate her food.

User Journey Map

An overview of the steps taken for Rosie to correct her behaviour after positive reinforcement is involved.



Empathy Map

Persona 1: Ruben (5-year old)

This highlights information from the user and background research that capture the persona's perspective, Ruben





DEMOGRAPHIC

Age: 5 Family: Lives with Mum and Dad Occupation: Student

BIOGRAPHY

Ruben is a well-behaved kid. He likes spending time with his family and friends. He uses his ipad often to play games but still set some time to help his parents around with the house chore.

PERSONAL VALUES

IPAD

FAMILY AND FRIENDSHIP

SOCIAL MEDIA

QUOTE

I listen to my parents well, but at times I get tired trying to always obey their rules if they don't notice it.

CORE NEEDS

- I want to be able to have an app where I can set goals for myself.
- I want mum and dad to notice my hardwork through the app
- I want to see my progress in the app.

PAIN POINTS

- Too much information in an app.
- Boring app with not much engagement.

BEHAVIOURS

- I like playing games on my ipad. At times, I don't realise how much time I have spent. I wish I could track how long I play.
- I have a tendency to do things to impress my parents.

MOTIVATIONS



3

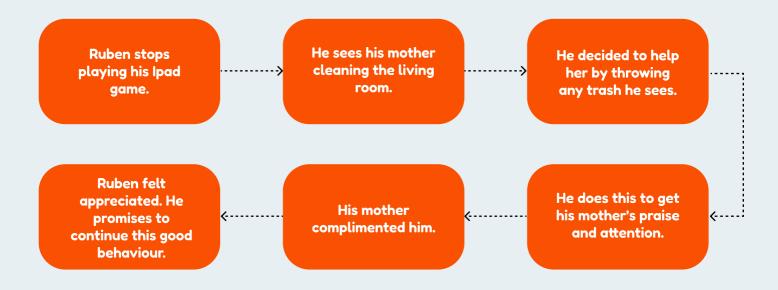
User Journey (Ruben)

Scenario

Ruben stops playing his Ipad game when he notices his mother cleaning the living room. He decided to help her by throwing any trash he saw on the floor. He does this in the hopes of getting his mother's praise and attention. He felt appreciated and loved when his mother said, "Good job." He promises himself that the next time he sees his mother cleaning, he will help her.

User Journey Map

An overview of the steps taken by Danial to correct Mikael's behaviour by rewarding him with a new toy.



03 Ideate



UXG 2570 Assignment 2

Final Idea

Victory Smile



This app sets up a system for parents and children to discuss, manage, and encourage good behavior. The app creates a reward system based on performance and behavior, allowing parents to award smiley faces to their children when they are on good behavior, complete tasks, or finish chores. Positive reinforcement helps children of all ages develop self-esteem and confidence. When a child knows that their parents noticed and acknowledged their good behavior with a smiley face, the effect is even greater.

For example, the parent could offer "more playtime" in exchange for ten smiley faces, or a "new toy" in exchange for thirty. This app teaches children to be aware of their behavior and what is expected of them, as well as the rewards and consequences of their actions.

The app allows children to actively track their progress, allowing them to see where they need to improve their behaviour. Children can even see which good behaviour are most important to adopt by looking at the number of smiley faces awarded for each goal, which gives them a better idea of which good habits to adopt.

04 Prototype



UXG 2570 Assignment 2

1 Sign-up Page

This is the sign-up page where new users are able to create a new account.

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Sign Up	Sign Up
Email	Emailarmiras24Agmail.com
Password (Password *******
SIGN UP	SIGN UP
Orsignupwith	Or sign up with
Already a User? <u>LOGIN</u>	Already a User? <u>LOGIN</u>



This is the sign-in page where users can sign in to their existing account.

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Forgot	Password?		Forgot Password?
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3

Welcome Page

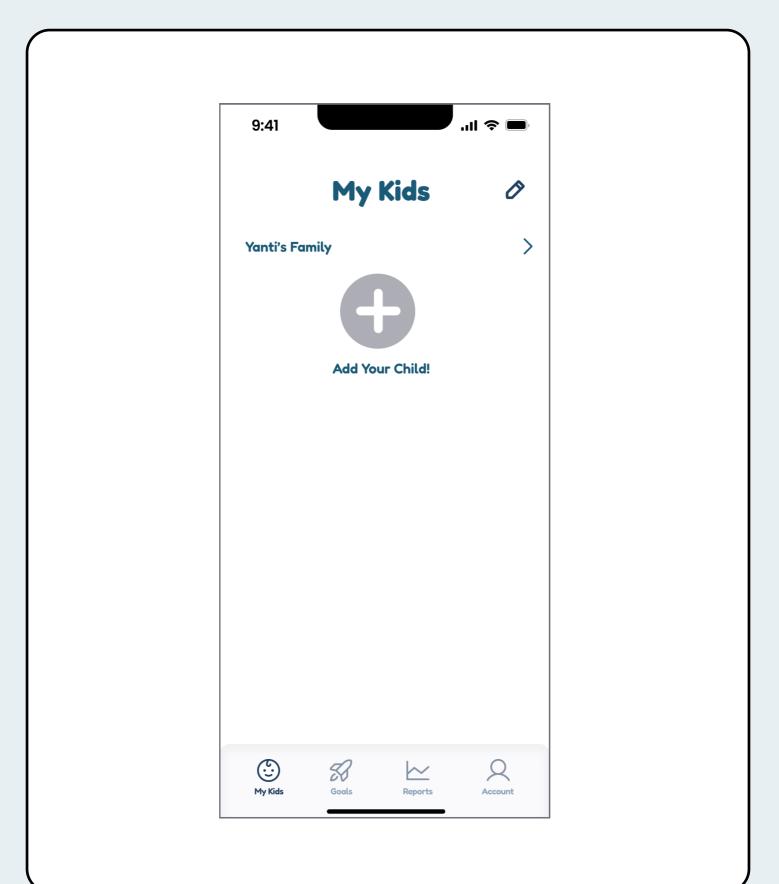
Users get started with a welcome page that instructs the user to write down their family name.

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	Logo		Logo	
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	Continue		Continue	

My Kids Page

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This is the "My Kids" page where users can add in their child into the system.



"Add Your Child" Page

5

After clicking on the "Add Your Child!" button. Users will be led to this page. Where they will have to input their child's name and gender.

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Next		Nex	t
What's their gender?		What's their gender?	
		Female	
Next		Ne×	t

6

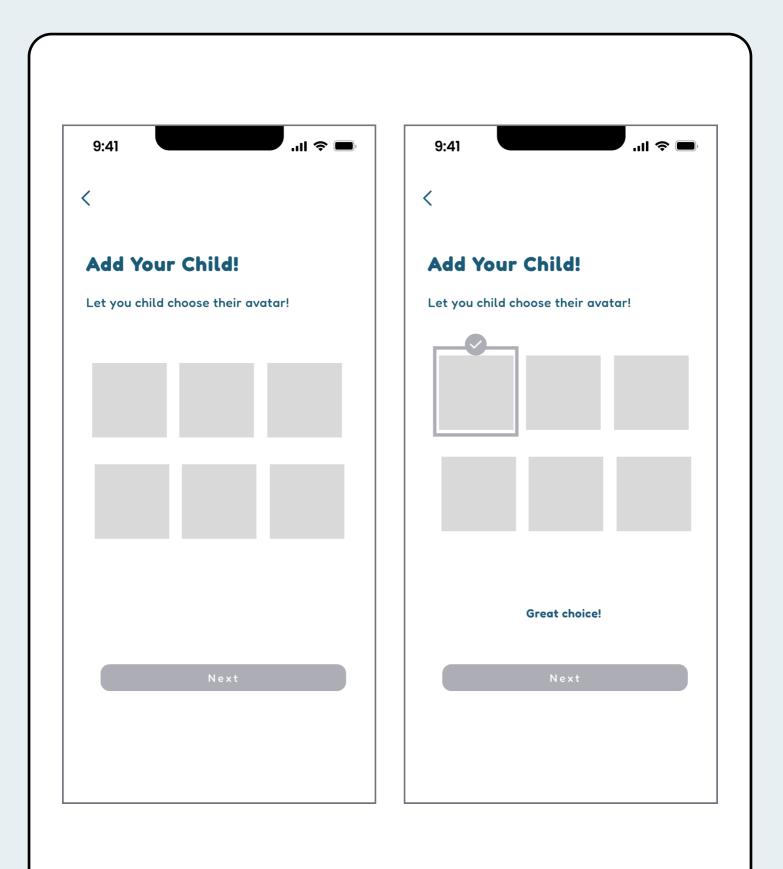
"Add Your Child" Page

After inputting the child's name and gender, parents will then have to select their child's birthdate.

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"Add Your Child" Page

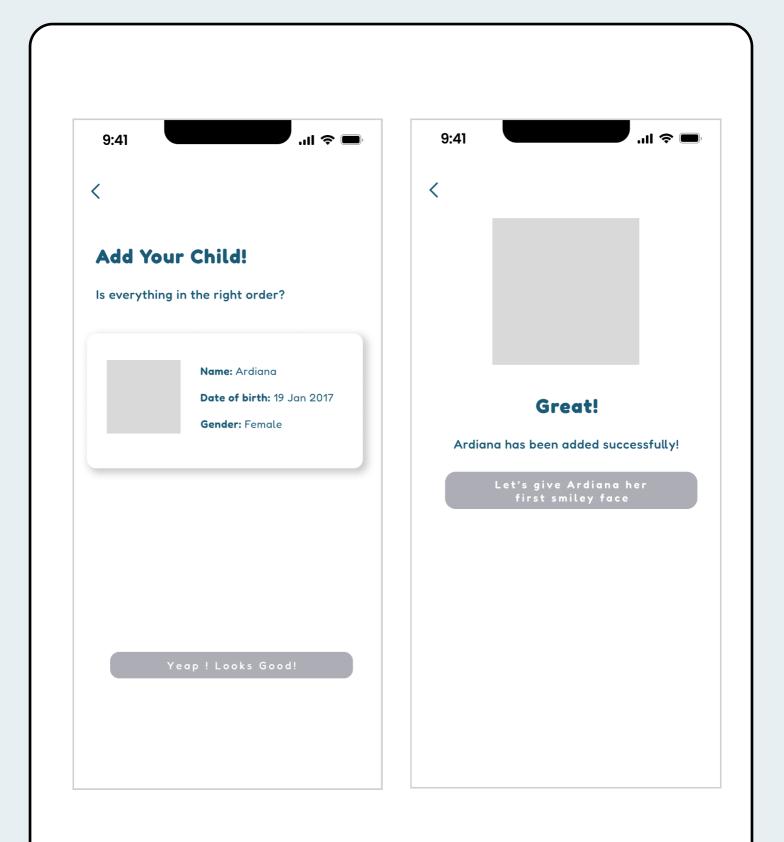
Then users can select the child's avatar. Parents can let their child choose the avatar if they want to.



8

"Add Your Child" Page

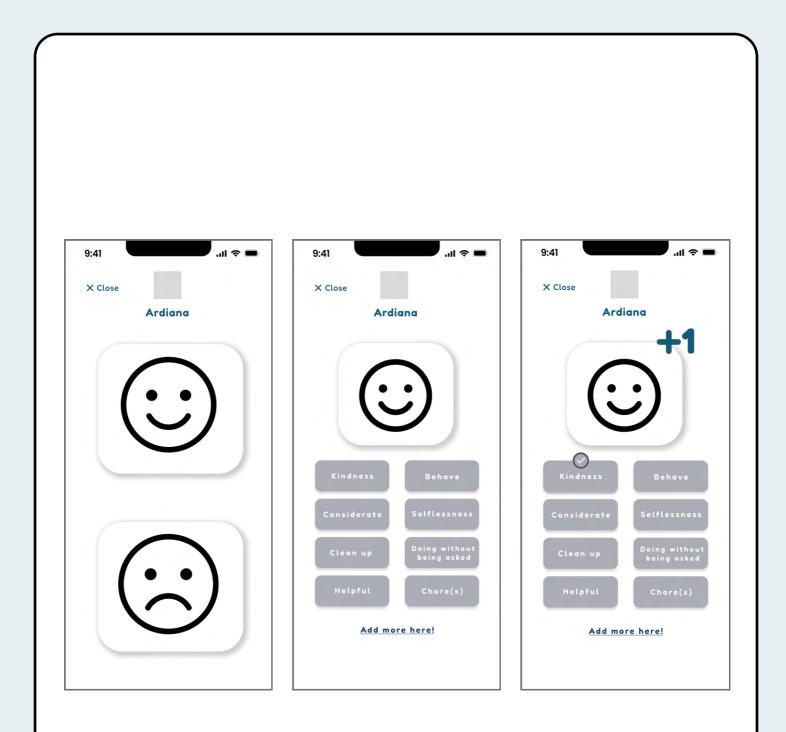
After everything is complete the app will confirm the details with the users. Once everything is confirmed, a pop up will appear to indicate that the child has been successfully added into the system.



Adding Smiley Face

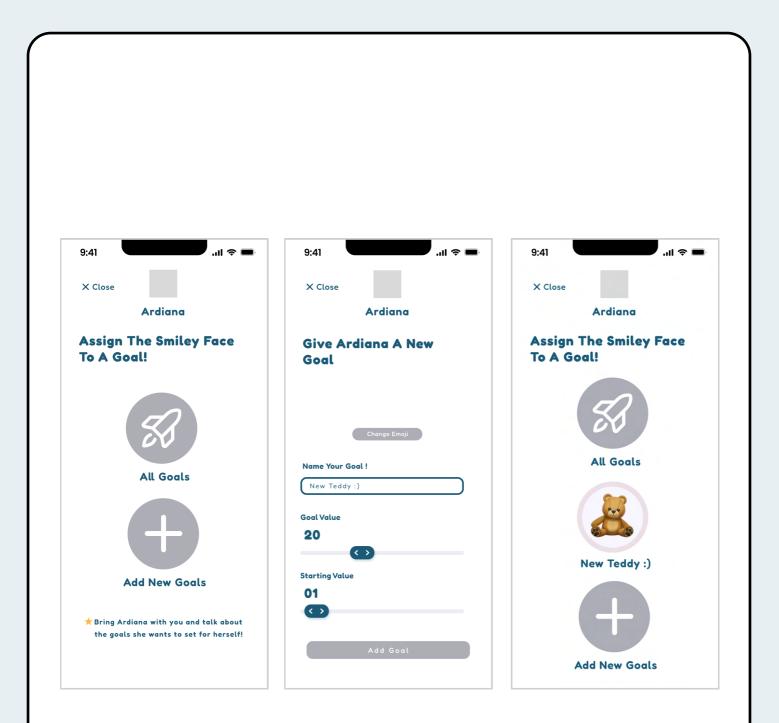
9

After successfully adding their child, users can add a smiley face in this page.



Assign Smiley face to a goal

After selecting the Smiley face, users will then need to assign a goal to the smiley face. They can add a new goal using the button indicated with a "Add New Goals".



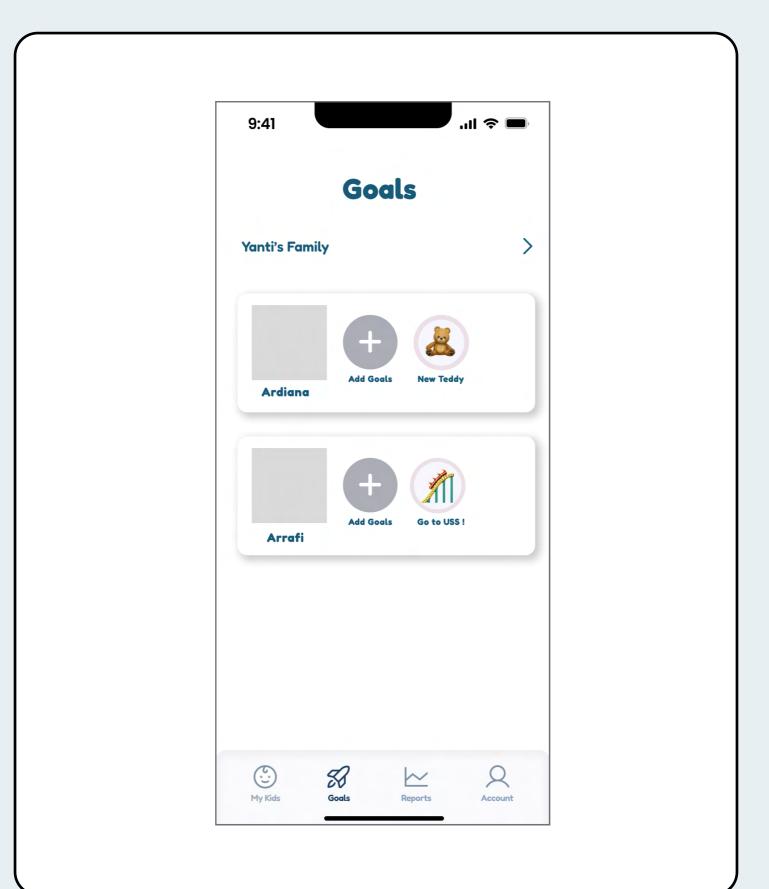
1 My Kids Page

After everything is completed, the "My Kids" page will be updated as shown below.





All the goals assigned to each child is shown here.



High-Fidelity Mockup

This section will contain the high-fidelity screens that has been created and asjusted accordingly based on my research findings and surveys.

Figma Prototype

A. Link to Figma File

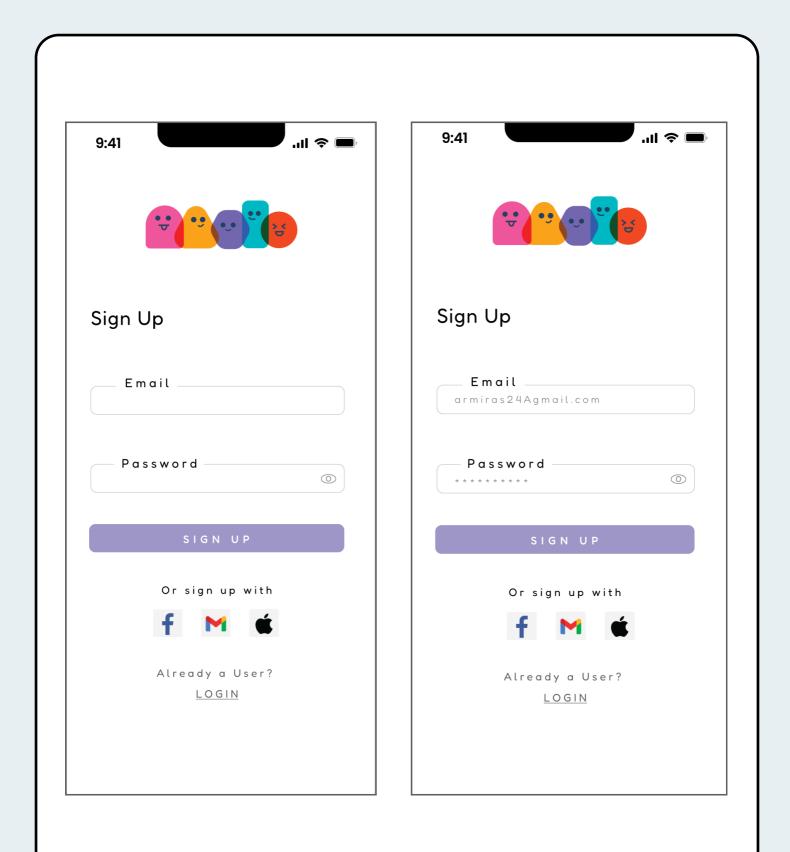
Click here

B. Link to High-Fidelity Prototype

Click Here

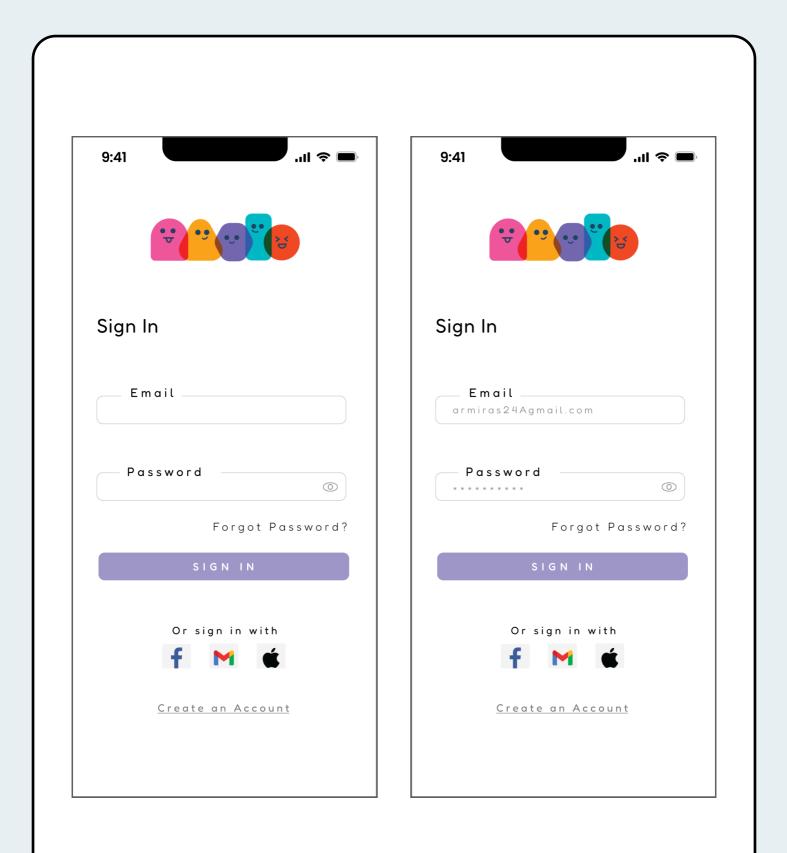


This is the sign-up page where new users are able to create a new account.





This is the sign-in page where users can sign in to their existing account.



Welcome Page

4

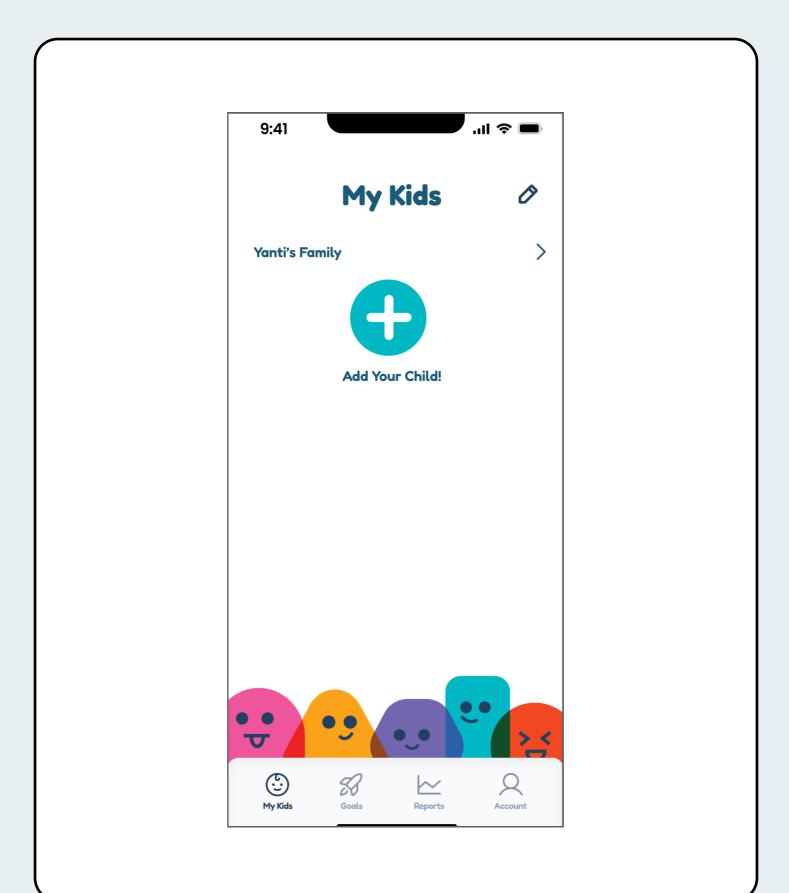
Users get started with a welcome page that instructs the user to write down their family name.

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	e To	Welcome To	
VICTORY SMILE What's your family name?		What's your family no	
Continue		Yanti	inue
Continue			

My Kids Page

5

This is the "My Kids" page where users can add in their child into the system.



"Add Your Child" Page

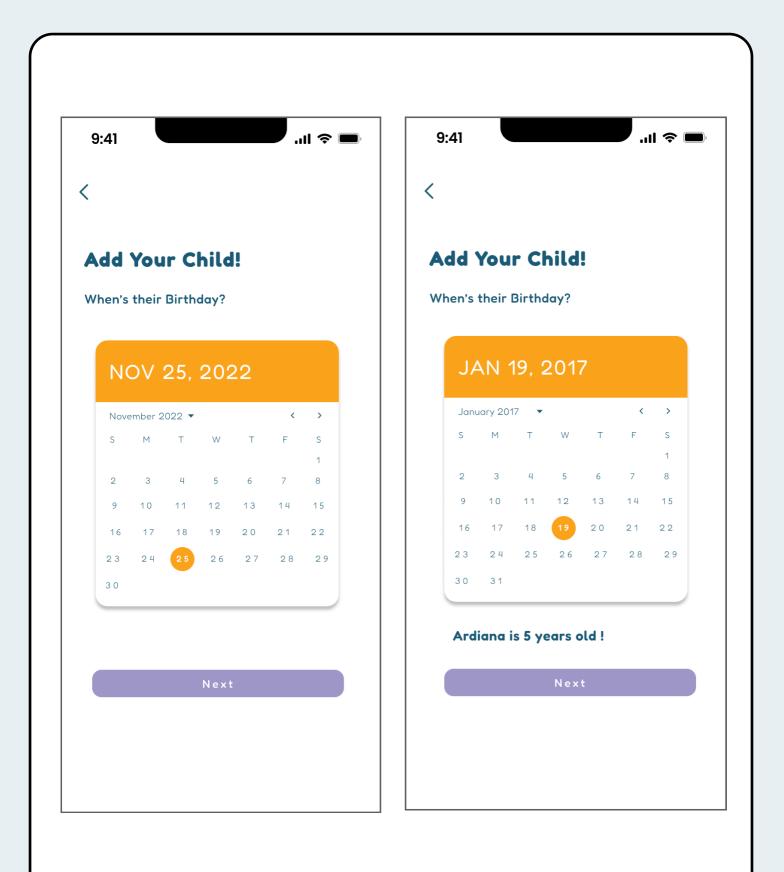
6

After clicking on the "Add Your Child!" button. Users will be led to this page. Where they will have to input their child's name and gender.

9:41 . l ຈົ	9:41 .ul 🗢 🗖
<	<
Add Your Child!	Add Your Child!
What's their name?	What's their name?
	Ardiana
What's their gender?	What's their gender?
	Female
Next	Next

"Add Your Child" Page

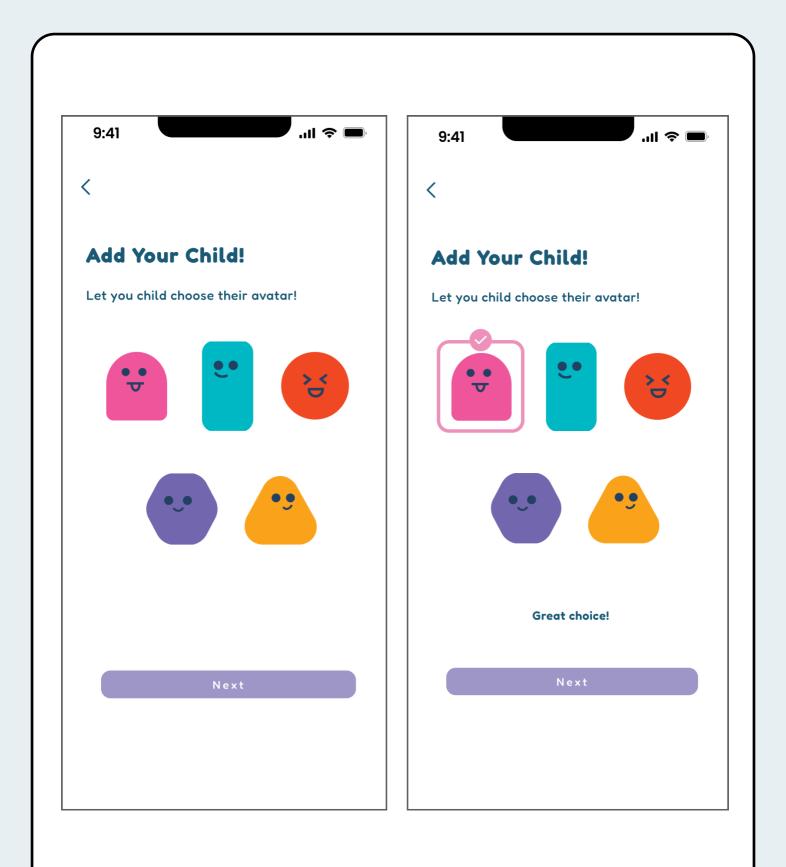
After inputting the child's name and gender, parents will then have to select their child's birthdate.



"Add Your Child" Page

8

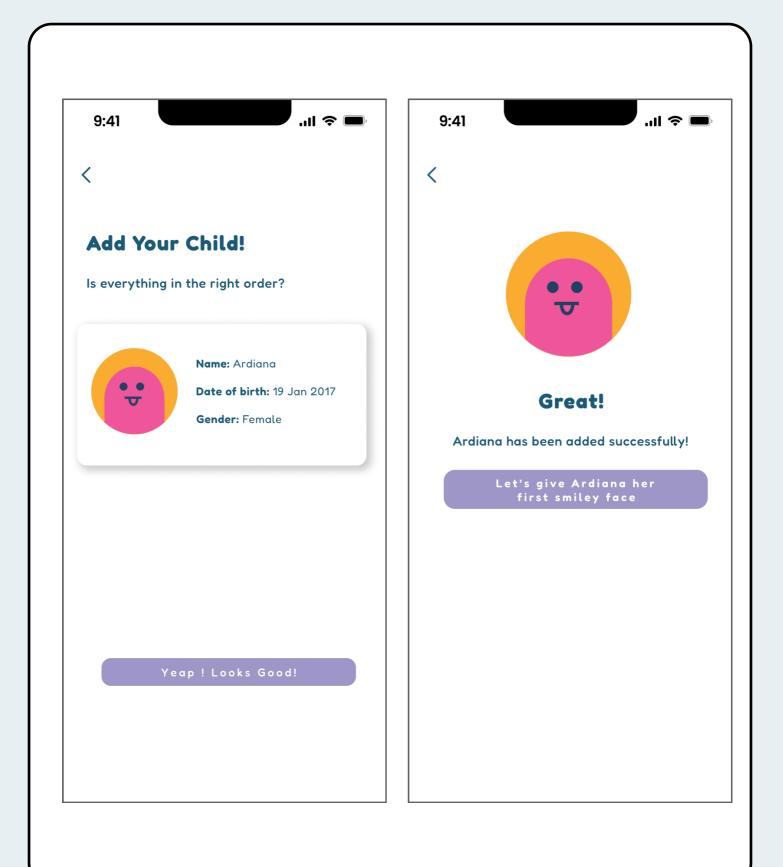
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9

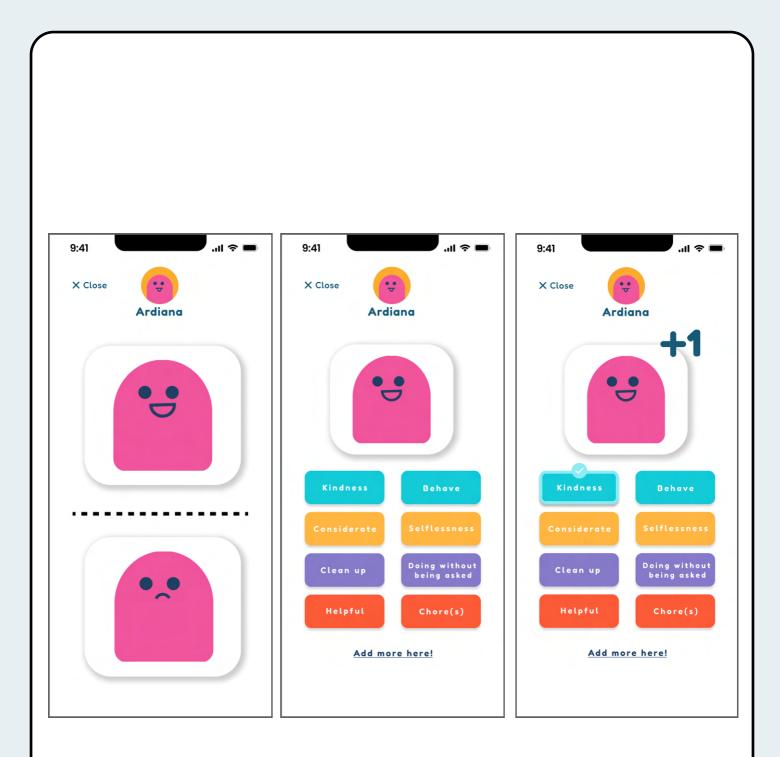
"Add Your Child" Page

After everything is complete the app will confirm the details with the users. Once everything is confirmed, a pop up will appear to indicate that the child has been successfully added into the system.



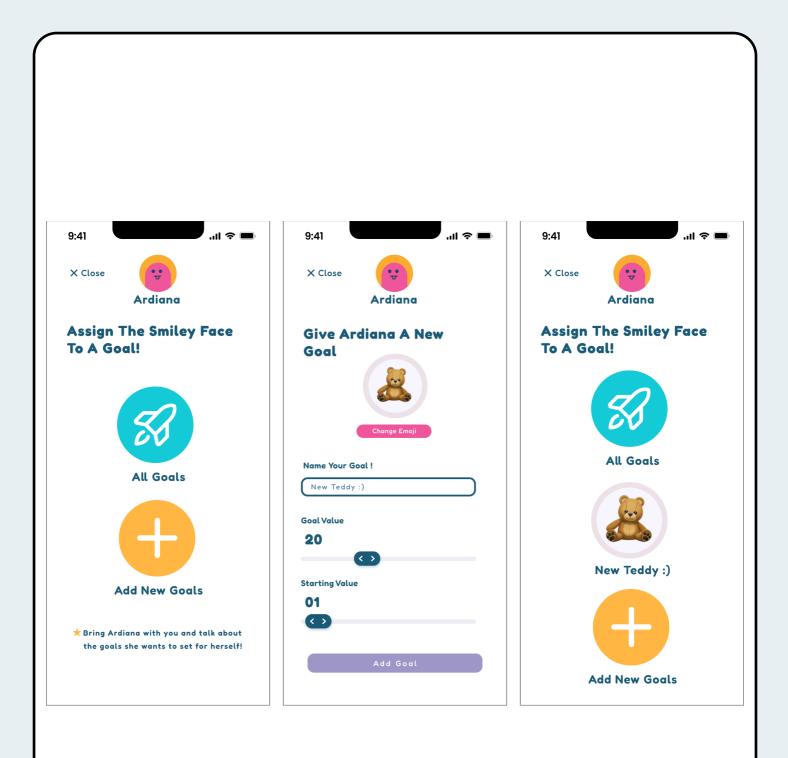
Adding Smiley Face

After successfully adding their child, users can add a smiley face in this page.



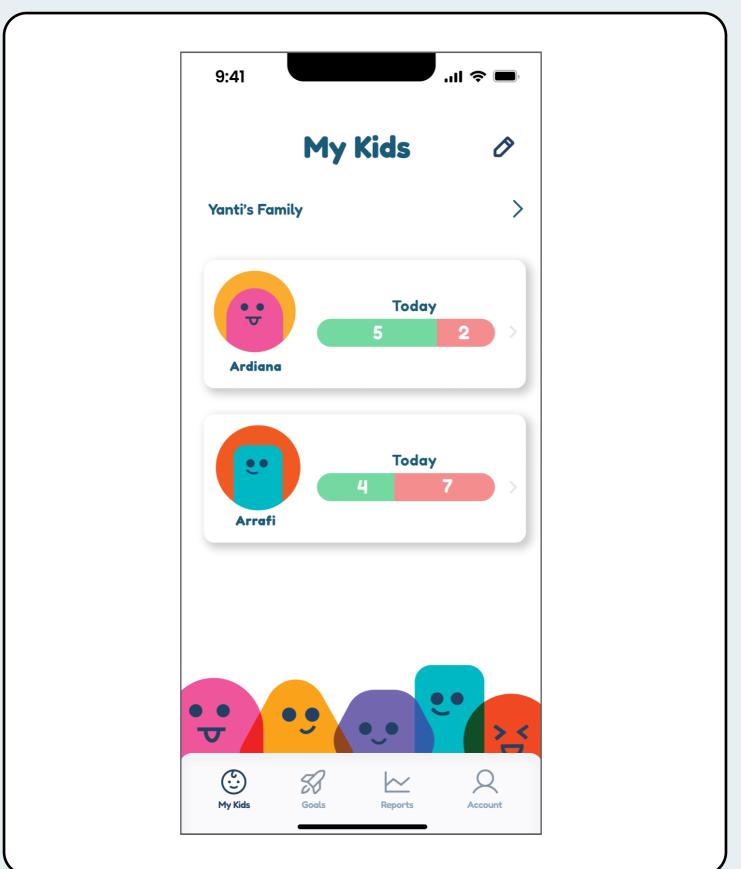
Assign Smiley face to a goal

After selecting the Smiley face, users will then need to assign a goal to the smiley face. They can add a new goal using the button indicated with a "Add New Goals".



12 My Kids Page

After everything is completed, the "My Kids" page will be updated as shown below.





All the goals assigned to each child is shown here.

