

A Style Language for Family Lifestyle

RYOHEI SUZUKI, Faculty of Policy Management, Keio University

KAZUKI TOBA, Faculty of Policy Management, Keio University

NOBUKO YOSHIDA, Lifestyle Research Center, Kao Corporation

SEIKO MIYAKAWA, Lifestyle Research Center, Kao Corporation

TAKASHI IBA, Faculty of Policy Management, Keio University

Abstract

In this paper, we present "A Style Language for Family Lifestyle" which visualizes various ways of family lifestyle. A Style Language for Family Lifestyle has 390 styles of living from 130 people. Style language is the first type of language that describes various approaches of doing in a specific field or subject. There are unique ways of living that each family has, however they are not to be visualized into a language, and people have less opportunities to aware of their own styles of living in their daily lives or other families' styles of living. In order to create A Style Language for Family Lifestyle, we took 6 steps; Dialogical Interview, Selecting Styles, Style Writing, Style Naming, Categorizing in Themes, and Visualizing with Cards, and found how other families around us are making the quality of family lifestyle. We interviewed 130 families with different backgrounds, such as family composition and origin, and describing them through the method of style language. By collecting, organizing, and describing a number of styles, it will be easier for people to talk about styles and to gain new ideas beyond their personal experience. A Style Language can be utilized through The Chatting Workshop. It is a workshop that utilizes a Style Language and encourages people generating ideas from chatting. Through using A Style Language for Family Lifestyle, people will be able to know other families' ways of living, to reflect their ways of living, and to generate their own unique family lifestyle.

Categories and Subject Descriptors: **[Social and professional topics]**: Professional topics— Project and people management

General Terms: Human Factors

Key words: Family, Lifestyle, Style Language

ACM Reference Format:

Suzuki, R., Toba, K., et al. 2018. A Style Language for Family Lifestyle. HILLSIDE Proc. of Conf. on Pattern Lang. of Prog. 25 (October 2018), 14 pages.

1. INTRODUCTION

Family is a concept that almost everyone can relate to and has an understanding of, however each family has its own way of living. In the past, Russian novelist Leo Tolstoy said that "All happy families are alike; each unhappy family is unhappy in its own way," in the beginning of his book (Tolstoy, L., 1877). In this context, what is the common point among all the happy families? We guessed that the quality of happiness was the common point and there are some patterns to generate the quality. On the other hand, there are a lot of practical way to generate the quality of happiness and each family has different styles. Even, many families design their own lifestyles, they do not know how the other families are, and it is difficult to know what kind of lifestyles exist. In order to learn how other families are making the quality of family lifestyle, we interviewed people with different backgrounds, such as family composition and origin. We also found that there are various family lifestyles that we have never heard of. We assume that we can help people to reflect their past and to find the specific approach for creating their families' lifestyles by visualizing many types of family lifestyle. In order to visualize them and give ideas to help people generating the quality, we, Iba laboratory, created "A Style Language for Family Lifestyle" with Lifestyle Research Center at Kao corporation, and this is the style language created for the first time. In this paper, we introduce A Style Language for Family Lifestyle, explain the creating process, and share the ways of utilizing this style language.

Author's address: R. Suzuki, Endo 5322, Fujisawa city, Kanagawa prefecture, Japan; email: s16472rs@sfc.keio.ac.jp; K. Toba, Endo 5322, Fujisawa city, Kanagawa prefecture, Japan; email: s16591kt@sfc.keio.ac.jp; S. Miyakawa, Lifestyle Research Center, Kao Corporation, 2-1-3, Bunka, Sumida-ku, Tokyo, Japan, email: miyakawa.seiko@kao.com; N. Yoshida, Lifestyle Research Center, Kao Corporation, 2-1-3, Bunka, Sumida-ku, Tokyo, Japan, email: yoshida.nobuko@kao.com; T. Iba, Endo 5322, Fujisawa city, Kanagawa prefecture, Japan; email: iba@sfc.keio.ac.jp;

Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. To copy otherwise, to republish, to post on servers or to redistribute to lists, requires prior specific permission. A preliminary version of this paper was presented in a writers' workshop at the 25th Conference on Pattern Languages of Programs (PLoP). PLoP'18, OCTOBER 24-26, Portland Oregon. Copyright 2018 is held by the author(s). HILLSIDE 978-1-941652-09-1

2. CONCEPT OF A STYLE LANGUAGE FOR FAMILY LIFESTYLE

In this chapter, we explain the concept of style language and introduce A Style Language for Family Lifestyle.

2.1 About style language

Style language is a language that describes various approaches of doing in a specific field or subject. The concept was developed through the inspiration from A Pattern Language (Alexander, et al., 1977). Although both languages support the creative acts as a vocabulary, their functions and goals are quite different. Pattern languages shares practical knowledge and enhance the *quality* of the creative act, whereas style languages support giving recognition to the *diverse possibilities* (Figure 1). In other words, a style language is a language which expresses and provides insights into the *diversity* of approaches (Iba, et al., 2018).

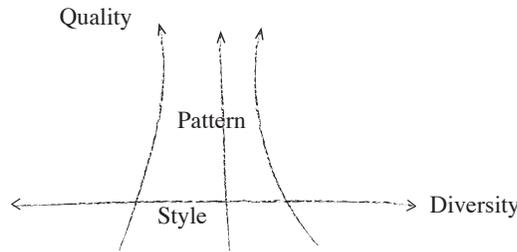


Figure 1: Style Language Describes Various Approaches to Improve the Quality

Style language consists of elements called “Style,” and each “Style” visualizes one good approach that a certain person practices. This language describes the content of ways of doing, which is “style content.” The name of the each style, “style word,” represents each style's feature and this name becomes part of the vocabulary, to be recognized, remembered and discussed.

2.2 A Style Language for Family Lifestyle

A Style Language for Family Lifestyle describes various families’ ways of living, such as family rules, habits, routines, and roles in 390 styles. For instance, there are many ways of creating unity of the family, and every single family has different way to achieve. One family eats breakfast together for making time to gathering up. Another family practices running together for participating in a marathon competition. As examples in the above, every single family has unique approach to create the sense of unity. However, they have less opportunities to aware of their own styles daily, and they become difficult to aware other families’ styles of living, and to include new ways of living without any knowledge.

A Style Language for Family Lifestyle was created through the collaboration of Iba Laboratory and Lifestyle Research Center at Kao Corporation. The collaborative research project’s purpose was to realize the support for designing family environment where children grow up fast and healthily. (Ogo, et al., 201). In order to achieve, we created “Ways of Everyday World-Making: Living well with Working and Parenting” in 2016, and it focuses on people who are working and parenting. This time, we interviewed people with different background, look them back on their childhood and tell something about memories or actions that their parents did or that their families did to find diverse ways of making family lifestyle. Thus, A Style Language for Family Lifestyle was aimed to create for visualizing ways of living those were told by diverse families and for supporting to make their own ways of living.

We assumed that through the use of A Style Language for Family Lifestyle, people can reconsider their families’ lifestyles, become easier to introduce about their families, and gain hints for creating their own styles of living. People can also recognize that their thoughts, and approaches are one of various styles by visualizing many other types of styles in style language. Furthermore, people can discuss about their styles with others, and they will also be able to know other people’s styles. Therefore, through using style language and gaining various styles, people can generate hints for new ideas and approaches that become to the quality of family lifestyle.

3. EXAMPLES OF A STYLE LANGUAGE FOR FAMILY LIFESTYLE

Currently, A Style Language for Family Lifestyle includes 390 styles of living under 14 themes. Each style consists of a sentence describing the style word, the style content, and the theme. Some examples of styles are shown below. Style Word symbolizes its content on the upper left with bold letters. Style of the family, Style Content, is written as an episode in the middle. Style Theme which style aims to achieve is written in the right bottom (Figure 2).



Figure 2: The Format of A Style Language for Family Lifestyle

3.1 Welcome Home Hug

We give each other “welcome home” hugs when someone comes back home, so we can feel our love for each other everyday. I think it’s great that we can feel the love and warmth within our family so directly. [Family’s World]



3.2 House-Sitting Magic

When my sister and I were waiting for our parents, we would set up tricks to surprise them. Our mom called it “house-sitting magic” and always enjoyed seeing what we did. Even when we built a maze in the house or made a mess. She loved it. We were always having fun thinking how to surprise her. [Cheer Up!!]



3.3 Start with a Prayer

Every weekend, my whole family goes to a shrine and spends the whole day together. We give thanks that we could spend the week peacefully, and pray to have a good nextweek. All of us going together makes us feel closer. [Family Time]



3.4 Respecting Hobbies

My parents don't deny people's' hobbies. This includes me, and so they don't say anything about what I'm interested in. Because this, I was able to find a lot of things I'm interested in and learned to not judge others. [Keep Your Identity]



3.5 Brothers from Another Mother

I go a trip every year with friends living in the same apartment. We spend a lot of time together and feel like one big family. Because I had so many big brother figures growing up, I was able to spend everyday happily. [Warm Connections]



3.6 Bathroom Goal Poster

We had a board on our toilet where everyone wrote their goals for the month. It made it easy to imagine what my dad’s work-life was like, and I was able to share my own goals with my family. Thanks to this, we could all cheer each other on and I was motivated to do my best. [See the Outside World]



3.7 Kickoff Lunchbox

My mom makes a family-sized lunchbox on the weekends without any occasion. We didn’t usually actually have any plans to go somewhere, but she would say “I packed lunch, so let’s go somewhere!” and we all go out together. [Invitation to a Dialogue]



3.8 World Donation Map

On the big world map we have in our living room, we put different color pins on the places that we visited as a family or someone in the family visited. My dad often went abroad for business trips, but I didn’t feel sad when I thought that he was busy expanding our world donation map. [Family Project]



3.9 Appeal Presentation

When I want to start something new or propose something to my parents, I need to give a presentation. Even if it's a vacation with my own money, I have to give a presentation and talk about why I'm going. These presentations taught me how to properly express my thoughts and reasonings to others. [Think Together]



3.10 Mom Appreciation Day

On days when the whole family is home, we don't let my mom do housework. Everyone else makes dinner and splits the housework. We all realize how hard my mom is working for us everyday and are able to appreciate her even more. [Chance to Reflect]



3.11 A Little Mailman

When I had things that were hard to tell my parents face-to-face, I would write it in a letter and give it to my younger sister. She would play "mailman" and deliver it to my dad. Thanks to her, I was able to easily share things with my dad that were hard to say directly. [Speak Honestly]



3.12 Book Concierge

When I was in middle school, my family would introduce the books they recommend to everyone. Even if it was a difficult book, having my family introduce it to me made it easier to read. A lot of conversations were born through books and it was really fun. [Share my Favorites]



3.13 PaPa Pancake

Every Sunday morning, my dad made us pancakes. Even though he's not usually much of a cook. He would try his best to make them into cute shapes. Every Sunday morning was somehow special for me. [Little Pleasures]



3.14 Birthday Pearl

I received one pearl every year as my birthday present. Because it took many years to become a complete present, I was ecstatic when it was finally completed. I was able to learn how to be patient and cherish presents. [How we Keep Memories]



4. THE PROCESS OF CREATING A STYLE LANGUAGE FOR FAMILY LIFESTYLE

In this section, we introduce the creating process of A Style Language for Family Lifestyle. First of all, we interviewed about families' lifestyles and important things for families. During the interview, we conducted "Dialogical Interview" to extract knowledge of practice in a particular field and domain through a dialogue. Next, we organized styles depending on its uniqueness and message. Then, we refined and improved sentences in each style for making it easy to read, and symbolized the content of the style with a name. Lastly, we grouped styles and themes were created, and then put into cards.

4.1 Dialogical Interview

In order to know other families' ways of living, we interviewed a total of 130 people from different background, such as family composition, region of origin and family environment. At this time, we conducted a method called "Dialogical Interview" (Sasabe, et al., 2016). Dialogical Interview is a pattern mining method to gain practical knowledge from practitioners of a certain theme or domain. By conducting Dialogical Interview, it is able to gain the key points of experiences. During the process of the dialogical interview, in order to explore the most important things, we start with asking practitioners, "The most important thing you want to tell" by asking question. Then, the interviewer and the interviewee have a dialogue, and hearing and getting the key points of experiences.

When we created A Style Language for Family Lifestyle, we asked "What is your favorite part of your family?" or "Did you have any rules in your family?" While interviewees and we talked to each other, we heard their families' ways of living and wrote them down on sticky notes. As a result, we collected a total of 638 unique styles, episodes and rules of 130 families.

For instance, we heard stories, "Every Sunday Morning, my dad made us pancakes. Even though he's not usually much of a cook, he would try his best to make them into cute shapes. Every Sunday morning was somehow special for me." and "We kept in our mind to take pictures of our daily life. Then, at the end of the year, my whole family made an album together. By making albums, we were able to preserve our memories every year."

4.2 Organizing Styles

Once 638 episodes were collected, we organized by examining each episode's uniqueness, easiness to image the practical scene, and the attention to readers to practice. We removed styles that would give a negative image, have too much instructive styles that take children's independence away, and describe exactly the same content. During this process, multiple members organized styles with this criterion, and finally 390 styles were visualized as A Style Language for Family Lifestyle.

4.3 Style Writing

We wrote down about the content told in the dialogical interview, what kind of action, what kind of result in what kind of situation. In this case, we focused on not only improving sentences to read easily, but also keeping the atmosphere and texture which were told in the dialogical interview by keeping the phrases. (Iba, et al., 2016). For example, as in the sentence below, the content which was talked during the dialogical interview was refined to like this (Figure 3).

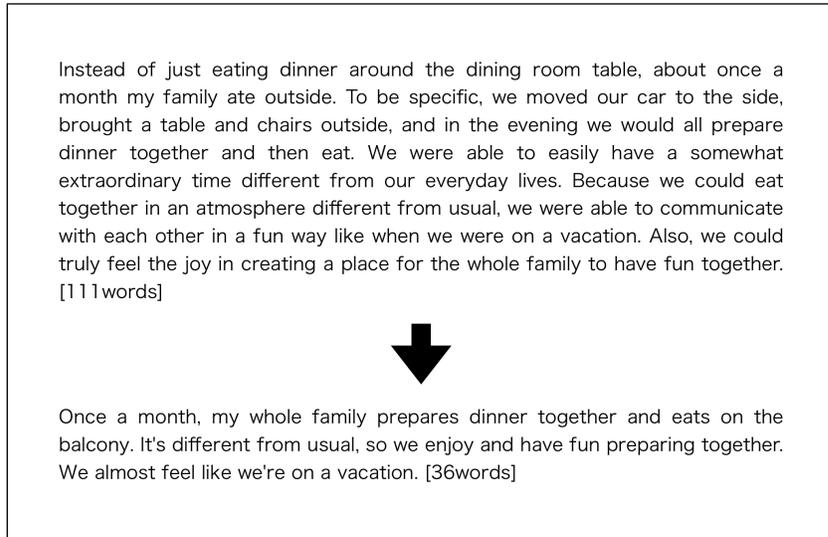


Figure 3: One Example of Refining the Content of Style

4.4 Style Naming

At the same time, we also named the style word for each style. We used “Pattern Naming Pattern” (Shibata, et al., 2016) which describes the tips on naming patterns as a reference. A style word was named to become “the expression that captured the essence” of its content, and gave a name to “a word that can be used everyday” for everyone. By symbolizing and naming each style, the following 390 style words were created (Figure 4).

Family's World	House-Sitting Magic	One on One Time	Help from Grandmother	Bragging a Bit	Review our Growth
The feel for a new year	Papa Coach	Dad Tutor	Mom on Leave	Father's Back	A Journey to Collect Memories
Family Tennis Match	Long Distance Reassurance	Individual Time to Enjoy	Make Up Meal	Photo Talk	Memories of the Seasons
Our Way to Decide	Quote of Relief	Dinner Communication Time	Eldert Awareness	Bathroom Goal Board	Matching Goods
Anti-Oversleeping Plan	Adventure Guardian	Pre-Dinner Lesson	New Year, New Feelings	Work Report	Out for Birthdays
Breakfast from the Garden	Line of Freedom	Men and Ladies' Day	Make Up Letter	Memories in the Workplace	New Year's Promise
Step to Adulthood	Backed up Enthusiasm	Morning Review	Our Little Mailman	See the Real World	Growth Album
My family's Norm	Hidden Love	Express the Will	Share Our Worries	Touring Workplaces	Birthday Charms
Travel if Together	Unseeable Caring	Activity Report Dinners	Family Supported Connection	Work for Praise	Little Pleasures
Just us Kids	Backed up Wish	Start with a Prayer	Speak our Flaws	Exciting Work Talk	
Learning Manners	Unlimited Support	Everyday Breakfast	Story of Family History	Raising While Playing	Leftover Arrangement
Our Own Chores	Supporting Spirit of Inquiry	Sampling Hobbies	Feeling Love in My Heart	Hangout for Moms	The Best Meals
Welcome Home Hug	Freedom to Start	Meal Request		Mom-to-Mom Advice	Word Chain Schedule Board
Frustration Extinguisher	Loving Lunchbox	Keep Your Identity	Warm Connections	Share the Fun	Bonus Challenge
The Family Picture	All Out Encouragement		Sweet Home Town		BBQ Day
Like Father, Like Son	Appropriate Interference	Grown-Up Trust	Lessons from Grandma	Family Project	Our Movies
Unchanging Lunchbox	Hidden Backup Team	On Equal Footing	Life with Two Moms	Shared Household	Late Saturday Night Show
Moge Moge Language	\$30 Rule	Inspire Responsibility	Neighborhood Connections	Serious Planning	No Plan Camping
Secret Nickname	Pursue What Like	Entrance to Adulthood	Grandma Day-Care	Knock out Tennis Competition	Foreign Meals at Home
Weekend Siesta	Decisive Independent	Priorize Passion	Neighborhood Family	Family Marathon	Road-Trip Vacation
Smiley Project	My First Adventure	Freedom of Choice	Countryside Network	Habits of Making Habits	End of the Week Refreshment
Day off Princess	Flip the Switch	Equal Nickname	Relatives' Party	Family Cycling Time	Birthday Party at Home
Embarrassing Song	Gift of Options	Early Adulthood	Relatives for Motivation	Family Skiing Time	Unique Holiday Events
Youngest Kid's Privilege	Accepting Freedom	Expand Possibilities	Adult Connections	Cultural Exchange Opportunity	Silly Dad
Safe Enough to Sleep	Supporting Enthusiasm	Trip for Courage	Wide Communities	Garden Activity	Papa's Kitchen
Original Handshake	Encouraging the Will	Equal First Name Calling	Waiting at Grandma's	Party Decorators	Beloved Family Pets
Role of Saying Grace	Family Time	Respect What I Want	Never Alone for Dinner	Family BBQ	My Unique Embroidery
Non-Picky Role Model		Up to Me	Grandma's Caffe	Exciting Cooking	Cleaning Race
Appearance Coordinator	On Our Way Home	Respecting Hobbies	Master of Games	Piggy Bank Dream	Welcoming Household
Unknown Nickname	Family Study Room	Only What's Needed	Brothers from Another Mother	Apply Specialties	Household Mission
Cheering Meal	Together in the Morning	Signal to Start	Families' Camp	Huge Secret Surprise	Family Anniversary Day
Jump into the World	Saturday Spouse Stroll	Free to Have Fun		World Domination Map	Every Day Connections
Affection Relay	Guy Time	Identity as Individuals	Invitation to a Dialogue	New Challenge Mission	Unique Questions
Habit of Respect	4 Generation Girls Talk	Decision Making Training	Message and a Chat	Unity Marathon	Dress Up Dinner
Scolding Duty	Everyone's Individual Plans	Time to Find Myself	Morning Walk	A Trip Leader	Family Recital
Caring for Objects	Visit and Vacation in One	Freedom of Decision	Shareed Attire	Sharing the Same Passion	Chore Games
Division of Teaching	8 PM Assembly	Chance to Reflect	Practice Mate	The Unity for Welcoming	Guess the Footsteps
Copy the Youngest	Boy Time/Girl Time		3 Generation Girls	Team Work for Celebration	Special Fridays
Calling "Jim"	Husband and Wife Time	Chore Duty	Daily Sharing	Garden Dinner	Bed-Time Chorus
Living with Nature	Brothers' Bond	Yearly Reflection Meeting	TV Topics	Planners for a Trip	Cooking Challenge
Pochi Pochi Language	Golf Talk Time	Day for Silence	Door of Connection	Our Own Destination	Hidden Bunny
Good Luck Charm	Time for Chilling	Life-Sized Dad	Reconciliation Soccer	Original Travel	At-Home Vacation
Worry Free with Mom	Papa Bonding Time	Say It's Delicious!	TV Talk Time		Dinner Seat Change
	Train Connections	Long-Distance Bond	Artistic Chats	Share my Favorites	Our Mascot Dog
Cheer Up!!	Gratitude for the Meals	Study Abroad at Grandma's	Our Gathering Room	Book Concierge	Spouse Meal
Sibling Bond	My Desired Trip	Mom Appreciation Day	Our Little Sunshine	Group Practice	Post-Dinner Chat Time
Heartfelt Letters	Drinks with the Family	My Family Awards	Massage Negotiation	Show Housework	The Only One Gift in the World
Family Cheering Squad	Unplanned Gathering	Mother's Day	Honest Message	Outdoor Classroom	Mom-Made Patch
Connection Making Diary	Individual Connections	Daily Chore Experience	Connected Through Cooking	Castle Viewing Course	Take Care Message
Hanging on Friday Night	Unforced Connections	Extracurricular Support	Bonding Lessons	"Outdoor" Family	Message from Dad
Curiosity Buddy	Separate yet Together	Think Together	Home with Dad	Share What I Like	Memorable Game Time
My Guardian Secretary	Mom is a Friend		Family Bookshelf	Home-Grown Meal	Hang Out for Homework
Silent Love	Heartwarming Dishes	Mama Coach	Kickoff Lunchbox	Concert Persuasion	Only on the Weekends
Smile of Encouragement	Living Room Slumber Party	Academic Partner	Bake to Make Up	Show the Fun	Connecting with Games
Father's Responsibility	Our Living Room	Constructively Critical Feedback	Serving Meals	Share our Knowledge	Balcony Party
Seeds of a Dream	Invitation for Dinner	Talk, Don't Scold	Learn from Seasons	Before Bed Book	Sunday Break
Accept Everything	Open Hobbies	Switch to Serious	Learn as Equals	Meet Art	Every Night Test of Luck
Investment for Interest	Thankful Taste of Home	Place to Decide	Decorated with Memories	Book-Worm Origin	Dad's Skits
Hiking for a Change	Together with Games	Open Wallet Into	Let Me Know Note	Weekend Hobbies	Papa Pancake
Anything Adviser	6 A.M. Fun	Life Meeting	Differently Paced Living	Showcased Hobbies	Firefly Signal
Pursue My Interests	Birthday Party Ticket	Independent Decisions	Business Trip Story	Book Exposure	Skill Making
Daily Seeing off	Secret Shared Notebook	Deepen the Dream	After School Chat	Exposure to Nature	Gift from the Kids
Support My Passion	Combine Hobbies	Apical Presentation	Gamer Talk	Welcome the New Chef	Child-Parent Ensemble
Follow-up Curiosity	Shopping Separately	Speak Honestly		A Great Adventure with Grandpa	Good Night Gum
Stay By My Side	Post-Breakfast Talking Time		See the Outside World	Outdoor Papa	Multi-Household Party
Relative Cheer Squad	Time to Gather	Open Secret	At Home Role Model	Hobby Follower	Trip Routine
Stress Relief Snacks	After-Meal Game Time	Consultation in the Car	Workplace Field Trip		
One Question a Day	Living-Class Room	Refreshing Grandparents	Seeing the Contribution	How we Keep Memories	
Coping Smile	Vacation Freetime	No Holding Back	Use All Names	Day to Day Memory Album	
Stuffed with Love	Days to Taste the Season	Safety Messenger	Daily Work Report	Birthday Pearl	

Figure 4: 390 Style Words of A Style Language for Family Lifestyle

4.5 Categorizing in Themes

Then, we organized and grouped the style contents by spreading them out and bringing similar styles closer (Kawakita, J., 1967). As a result, we could find that 390 styles can be created 14 themes. For each theme, we put a symbolic name that can represent contents of styles. For instance, the collection of styles for creating family’s own way of living is the theme of “Family’s World” and the collection of style for ideas to have a lively conversation is the theme of “Invitation to a Dialogue” (Figure 5).



Figure 5: Categorizing 390 Style Seeds and Created 14 Themes

Styles in A Style Language for Family Lifestyle created 14 themes and the classification was depending on what the styles aim for (Table 1).

Table 1: 14 Themes of A Style Language for Family Lifestyle

Theme	Contents	Number of Styles
Family’s World	What our families are like and the ways of families.	43
Cheer Up!!	How the people around us support my family.	51
Family Time	How my family lives our daily lives and routines.	55
Keep Your Identity	Accept and respect everyone in the family.	21
Warm Connections	Connect with relatives and neighbors.	17
See the Outside World	See our family members outside lives.	19
Invitation to a Dialogue	Ways to trigger communication within the family.	30
Family Project	Work with our family and create events.	25
Think Together	Discuss together the serious issues or the important decision.	11
Chance to Reflect	An opportunity to express gratitude for our family.	12
Speak Honestly	Efforts to understand each other.	17
Share my Favorites	Involve the kids in our parents’ hobbies and enjoy them together.	22
Little Pleasures	The little bits of joy in everyday life.	57
How We Keep Memories	Unique approaches to keep our memories.	10
		390

4.6 Cards of A Style Language for Family Lifestyle

Finally, we created cards of A Style Language for Family Lifestyle so that we can use it in the workshop. In each card, the style word and the style content are described in about the half space of the card so that participants of workshop can read, pick up and understand easily and quickly. In other half space of the card, there is a photo and it supports participants to imagine its style content (Figure 6).



Figure 6: The Layout of the Style Card

By putting 14 different colors in the cards depending on the themes, that makes participants to recognize each theme easily. In addition, 390 cards with 14 colors are mixed and fill on the table, we assumed that this colorful table will demonstrate and symbolize diversity (Figure7).

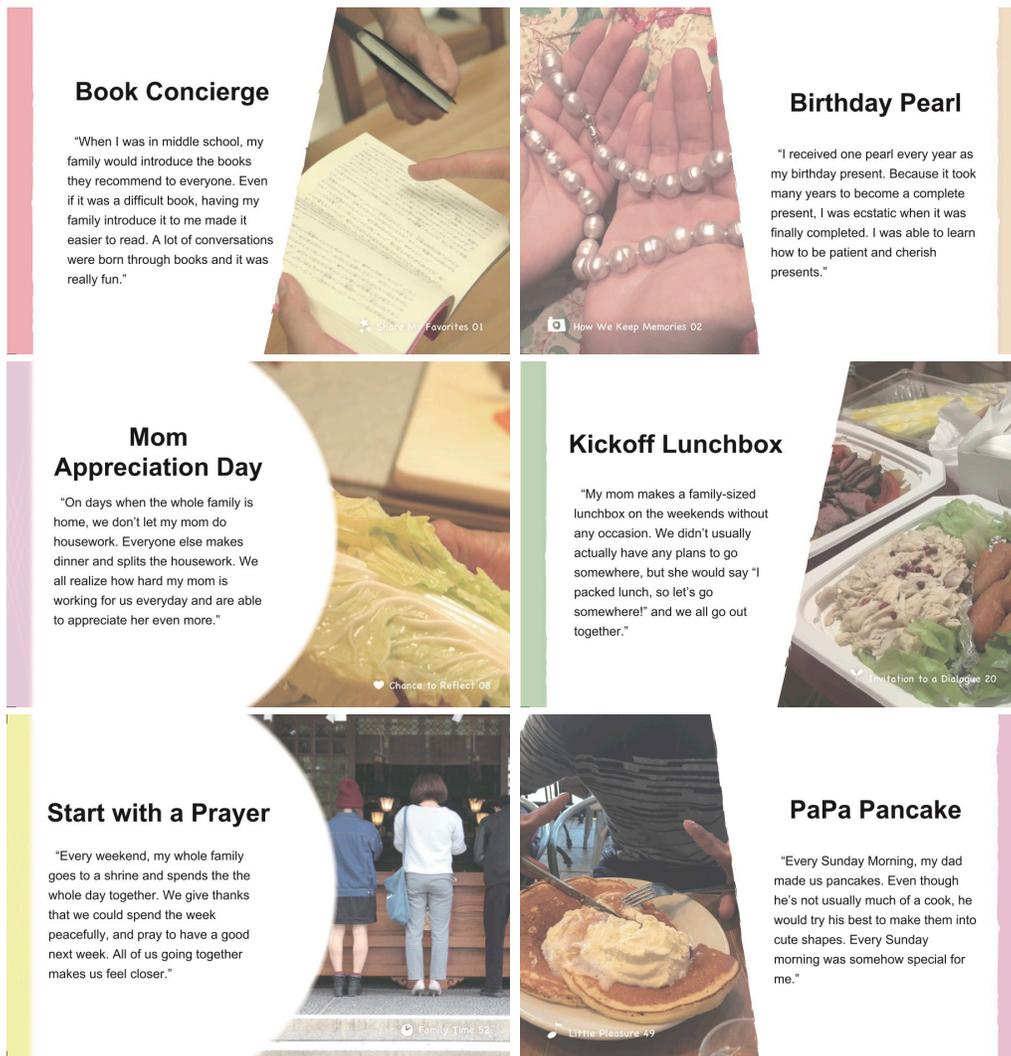


Figure 7: Example Style Cards of A Style Language for Family Lifestyle

5. CHATTING WORKSHOP WITH USING A STYLE LANGUAGE FOR FAMILY LIFESTYLE

We assume that we can support generating the quality of family lifestyle by holding a “Chatting Workshop.” In this section, we introduce the Chatting Workshop with using A Style Language of Family Lifestyle.

The Chatting Workshop is a workshop that encourages participants to chat about their families’ episodes, their thoughts, and the style that they like or that they want to practice in their families with other participants while exploring A Style Language for Family Lifestyle on the table. By holding the Chatting Workshop, people will be able to know other families’ styles of living, and gains hints that they want to practice in their families. The feature of the Chatting Workshop is that it does not recommend participants to discuss about style card, and it encourages them to express what they just feel and share with others with a relaxed atmosphere. This workshop also helps participants to recall their memories, gives opportunities to bring back a new style to practice and makes them easy finding differences and their uniqueness among other families (Figure8). We held the Chatting Workshop at the Open Research Forum 2017, and announced this research outcomes broadly.



Figure 8: The Chatting Workshop with using A Style Language for Family Lifestyle at Open Research Forum 2017

After holding the Chatting Workshop, participants said these of following:

- I want to try some styles in my family.
- I could find many styles which I want to try when I have children. Especially, for “Invest in a Fun”
- I found that there is a no correct answer for family.
- I was able to enjoy sharing experiences with others while admiring the different styles of each family's events even they seem to be similar.
- I was able to understand the experience of other family's styles and organize my thoughts through using the style language.

In this workshop, there were many positive impressions and comments. For instance, there were comments about ambition to practice styles in their home. “There are so many styles that I want to use when I have a baby.” and “I want to practice in my home right now.” In addition, one of the participants in the workshop practiced styles in their home, referring to the style word of “My Family Awards” in the style theme of “Chance to Reflect.” The summary for “My family Award” is:

“Around the end of the year, my family presents each other with awards. There's usually no opportunity to express our appreciation for each other, so it's a good chance to say “Thank you,” and the event itself is very exciting. It also makes me happy that everyone is actually paying close attention to me throughout the year.”

We received the comment that, “I made a message book of my family award on New Year's Eve. When I said to write the 2017's Awards to each family on the left, and write the 2018's resolution on the right side, unexpectedly everyone wrote them smoothly with no hesitation. I was surprised. My family does not stay together usually, so it was a little wandering.”

Therefore, the Chatting Workshop with using A Style Language for Family Lifestyle can be a great opportunity to share various styles of family that cannot be usually learned, and supporting to generate hints on creating their families' lifestyles.

6. CONCLUSION

In this paper, we presented A Style Language for Family Lifestyle, a language that visualizes various ways of family lifestyle and introduced a part of 390 styles. We also introduced the utilizing method of A Style Language for Family Lifestyle. By holding the Chatting Workshop with using A Style Language for Family Lifestyle, it was suggested that the style language can be a tool to support people reconsidering about their families, gives hints on creating a quality of family lifestyle, and introduce various ways of family lifestyle. For this research project, we just visualized the Japanese common family. However, family lifestyles are all different depend on the culture, country and the family composition. By incorporating those different family lifestyles, we guess that we will be able to understand the diversity and respect different culture and people with different background. Every single family is unique. It is important for us to keep that uniqueness, and generate the quality of family lifestyle. Therefore, we would like to continue the further research on creating ways to support even more practical or a long term method for generating the quality of family lifestyle through the Chatting Workshop and the other new utilizing method with A Style Language for Family Lifestyle.

ACKNOWLEDGEMENT

We would like to express our thank to project members from Lifestyle Research Center at Kao Corporation: Chie Akita, Kimie Ito, Mika Tabeta, and Kiyomi Yamahiro, for collaborating with Iba Laboratory to study style language. We would also thank project members of A Style Language for Family Lifestyle in Iba Laboratory: Tomoki Kaneko, Shuichiro Ando, Konomi Munakata, Kotomi Nozaki, Miwane Umewaka, Yusuke Shimoda, Ozaki Yuma. Finally, we would like to express our gratitude to Aimi Burgoyne and Rioha Kuroda for translating style words into English.

We would like to thank our shepherd G Priyalakshmi for valuable comments and feedback during the PLoP 2018 shepherding process. We would also like to thank the participants of the Writer's Workshop in PLoP 2018, especially Mary Tedeschi, and Robin Knot. We appreciate Pini Reznik for giving us wonderful feedback about A Style Language for Family Lifestyle. Finally, we would like to thank Joseph Yoder for valuable support to write this paper.

REFERENCES

- Alexander, C., Ishikawa, S., and Silverstein, M., Jacobson, M., Fiksdahi-King, I. and Angel, S. (1977). *A Pattern Language: Towns, Buildings, Construction*, Oxford University Press.
- Iba, T., and Isaku, T. (2016) "Creating a Pattern Language for Creating Pattern Languages: 364 Patterns for Pattern Mining, Writing, and Symbolizing," 23rd Conference on Pattern Languages of Programs (PLoP2016).
- Iba, T., Toba, K., Nozaki, K., Yamakage, M., and Namiki, S. (2018) "Style Language: Creating Words for Sharing Diverse Ways of Doing," 25th Conference on Pattern Languages of Programs (PLoP2018).
- Kawakita, J. (1967) *HassouHou* [The Abduction Method: For Creativity Development], in Japanese, Chuo-Koron.
- Ogo, I., Iba, T., Ito, K., Miyakawa, S. (2017) *Ways of Everyday World-Making: Living well with Working and Parenting. Pursuit of Pattern Languages for Social Change.*
- Sasabe, A., Kaneko, T., Takahashi, K. and Iba, T. (2016) *Pattern Mining Patterns: A Search for the Seeds of Patterns. HILLSIDE Proc. of Conf. on Pattern Lang. of Prog. 23* (October 2016).
- Shiori, S., Sakurako, K., Hitomi, S. and Takashi, I. (2016) *Pattern Naming Patterns; Symbolizing the content and value by expressions to facilitate intuitive comprehension. HILLSIDE Proc. of Conf. on Pattern Lang. of Prog. 23* (October 2016).
- Tolstoy, L. (1877) *Анна Каренина (Anna Karenina)*, The Russian Messenger.