

# Project Kin.

Addressing Family Separation in Conflict Zones

Master in Design Engineering

Harvard Graduate School of Design + Harvard John A. Paulson School of Engineering and Applied Sciences



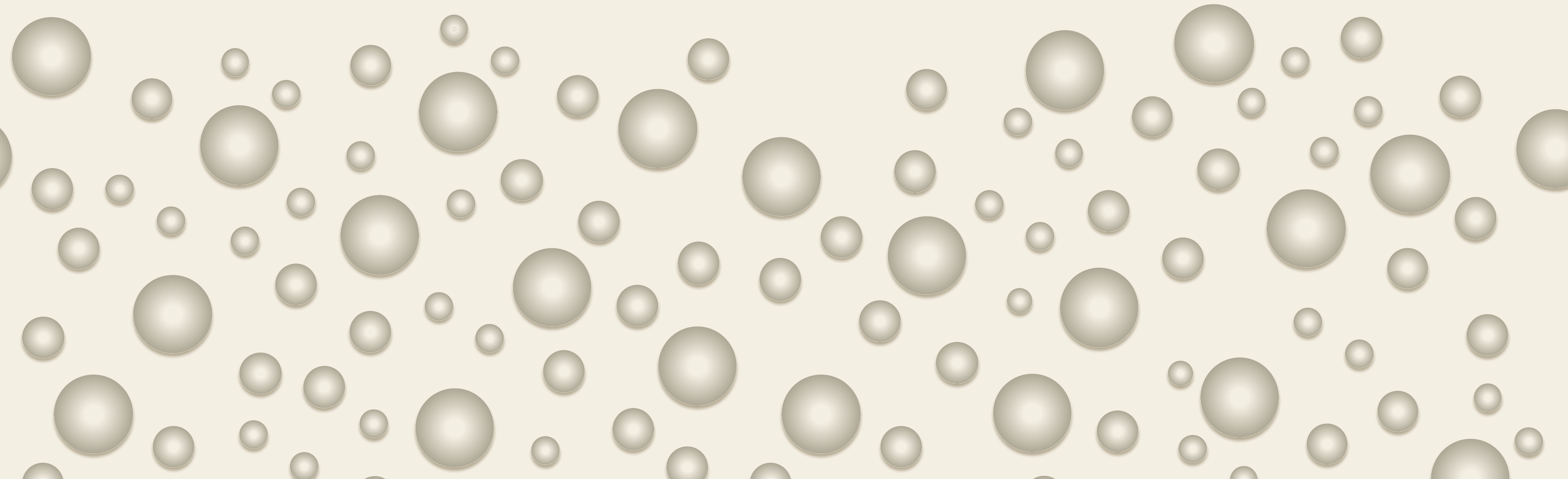
A story from a humanitarian worker in Uganda



**There was this child Nema, a young girl who was separated from her family during an attack in South Sudan.** When we spoke to her in the registration center of the camp, she only held onto two memories: her blue school uniform and a beach that was next to it. Aid workers used these details to search for her family, eventually reuniting Nana with her mother in another camp. I still think about that often. Those two details were enough to find her mother.



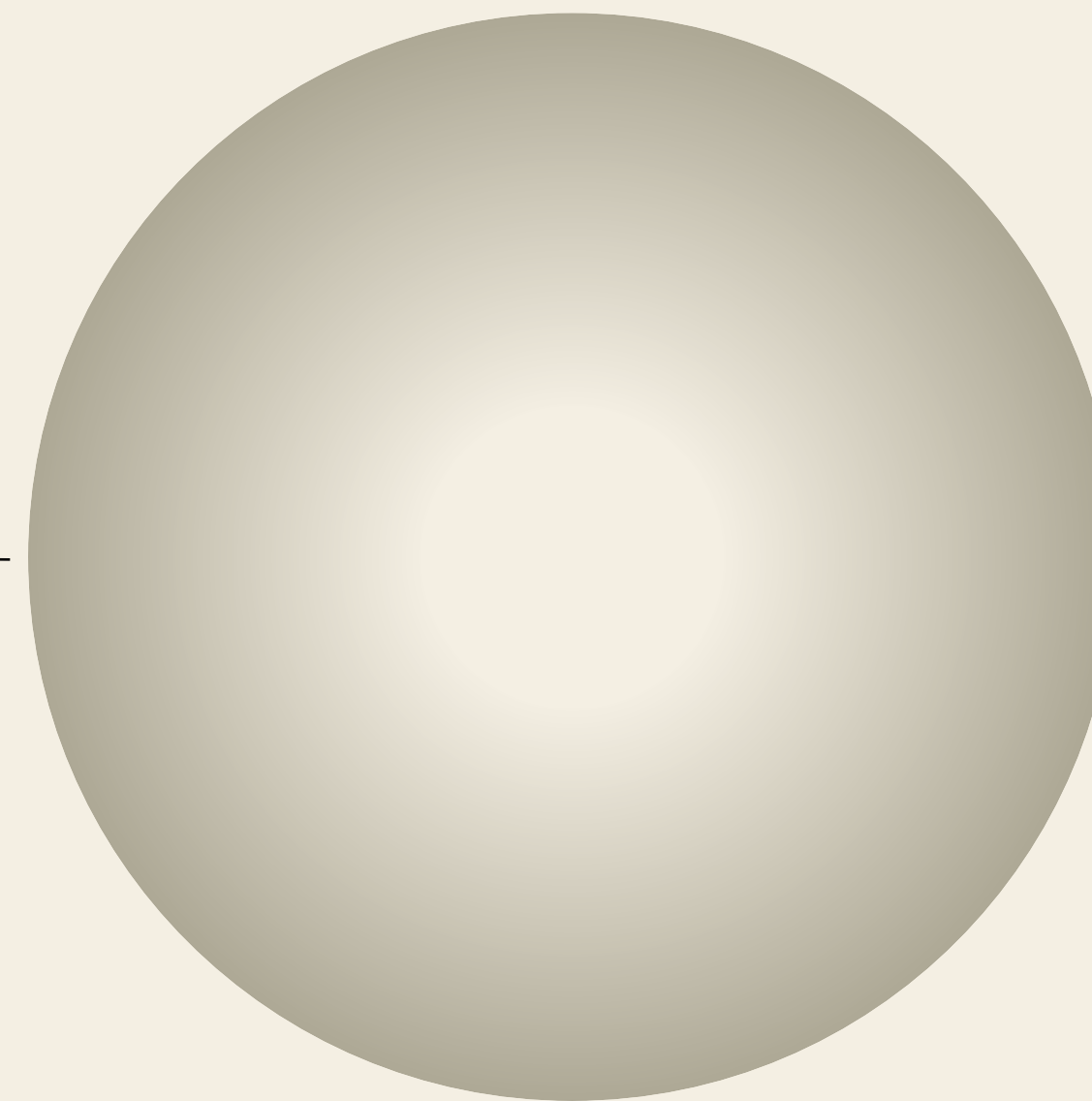
There are approximately **103.7 million** people worldwide currently forcibly displaced due to conflicts, violence, fear of persecution, and human rights violations



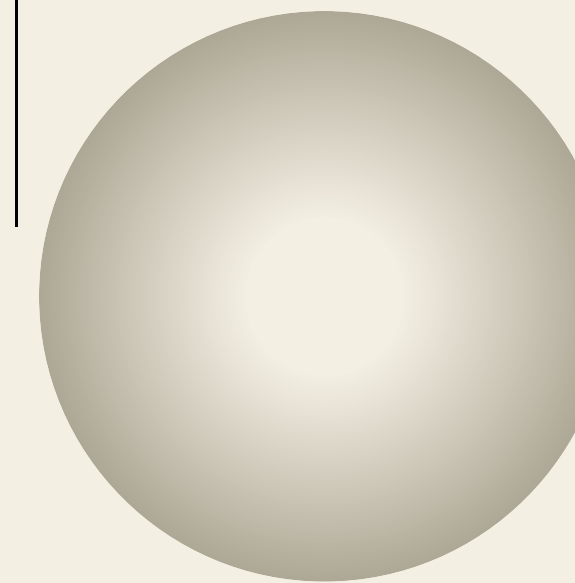


Statistics from **United Nations High Commissioner for Refugees (UNHCR)** that categorize the age demographic divisions

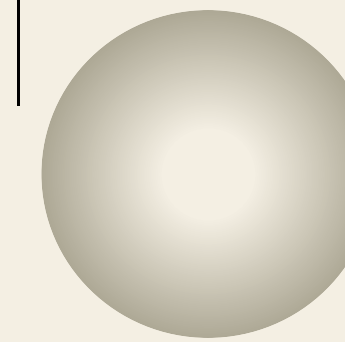
**53%**  
Children under 18 years old



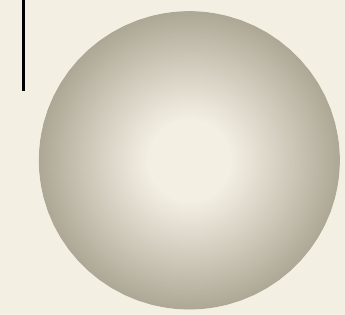
**22%**  
Adult women



**14%**  
Adult men



**11%**  
Elderly women and men over 60




Ongoing Conflicts Fueling Historic Displacement and Family Separation





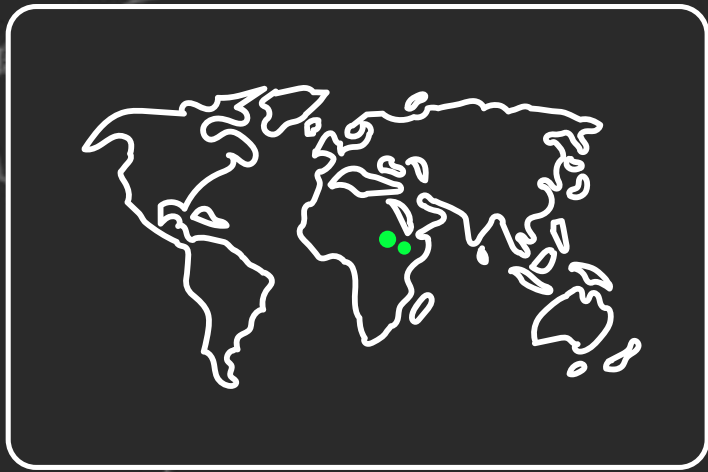
**She belongs to one of these countries that are currently going through similar situations**





Since 2013, **millions of people have been displaced, fleeing from South Sudan** due to the ongoing civil war.





**SOUTH SUDAN**

One of the most common places **they seek refuge is Uganda**, home to the second-largest refugee camp in the world.

**UGANDA**







Let's hear from some of the **refugees themselves who have lost their family members.**

Location: Bidi Bidi Refugee Camp, Uganda



We don't know when the rebels or the government will attack. It suddenly happened - there was a lot of chaos when our village was suddenly attacked. I got separated when my village was attacked while I was in school. There were gunshots, everyone around me started to run; I followed, not knowing where my family was. I looked for my parents, but they weren't at home, so in desperation, I ran to find safety. I was hiding under a truck when I realized I was among strangers, all of us fleeing towards an uncertain safety. We traveled for days, with minimal food and water, trying to reach the Uganda border. My relatives were shot in front of me while we were close to the Uganda border. Crossing into Uganda, I kept hoping I'd find my family at one of the refugee camps. At the camp, I went from one shelter to another, looking for any familiar faces. I was with strangers while coming to Uganda for safety. In the camp, aid workers helped me write down my story, hoping to find any leads on my family's whereabouts. I described the tree near our house and the school I attended, hoping someone would recognize them. I still wear the bracelet my mother gave me. I wanted to find them in the refugee camp, but I didn't know how. I still think I will find them.







## 1. UNCERTAINTY

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*"We don't know when the rebels or the government will attack."*

*"There was a lot of chaos when our village was suddenly attacked."*

*"I was hiding under a truck when I realized I was among strangers, all of us fleeing towards an uncertain safety."*



## 1. UNCERTAINTY



## 2. CHAOS AND DISRUPTION

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*"I got separated when my village was attacked while I was in school."*

*"There were gunshots, everyone around me started to run; I followed, not knowing where my family was."*

*"I looked for my parents, but they weren't at home, so in desperation, I ran to find safety."*



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## 2. CHAOS AND DISRUPTION



## 3. SURVIVAL

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## 1. UNCERTAINTY



## 2. CHAOS AND DISRUPTION



## 3. SURVIVAL



## 4. LONGING AND SEARCHING

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*"I wanted to find them in the refugee camp, but I didn't know how."*



## 1. UNCERTAINTY



## 2. CHAOS AND DISRUPTION



## 3. SURVIVAL



## 4. LONGING AND SEARCHING



## 5. CLINGING TO IDENTITY

*"We don't know when the rebels or the government will attack."*

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*"I still think I will find them."*



How might we empower displaced individuals to reconnect with their separated family members, while **ensuring their safety, privacy, and cultural needs are met?**



# Project Kin as an ecosystem of product to promote family tracing

The image shows a hand holding a tablet displaying the Project Kin dashboard and a smartphone displaying the Project Kin app interface. The dashboard includes a sidebar with navigation options like Reports, Resources, Case Management, Reporting, Support, and Settings. The main content area features an Overview section with filters for Location (Bidi Bidi Camp, Uganda), Timeframe (All-time), and People (All). Below this are Foster Family Metrics (Active Searches: 27/860, New Registrations: 77/7 days, Foster Placements: 2982) and Case Tasks (Review new user profiles, Follow up on pending matches, Verify reunification story). The smartphone shows the Project Kin app with a logo, the name 'Project Kin' in Arabic, and buttons for 'Join' and 'Enter'. A circular inset shows a man talking on a mobile phone.

Picture: Community Space, Bidi Bidi Camp, Uganda





**Nelson, 12**



How did we get here?





## Main Advisors (Harvard, MIT, South Sudan)



**Martha Thompson**, ex-OXFAM, MIT D-Lab, Humanitarian Innovation and Disaster Response Specialist



**Krzysztof Gajos**, Gordon McKay Professor of Computer Science at the Harvard.



**Shuya Gong**, Creative Director, IDEO CoLab Ventures, Harvard SEAS



**Jon Jal Dak**, YSAT Founder in Uganda & South Sudan, UNHCR Advisor for Displaced Individuals, OXFAM Advisor, Obama Fellow

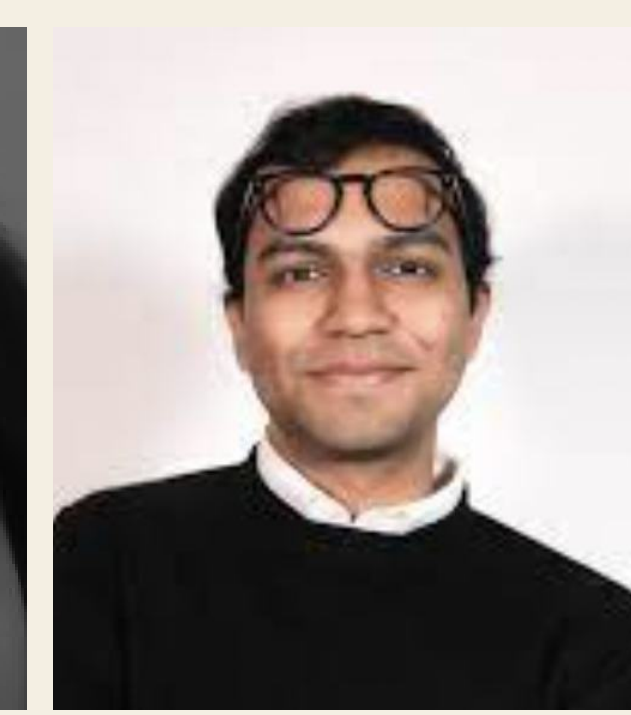
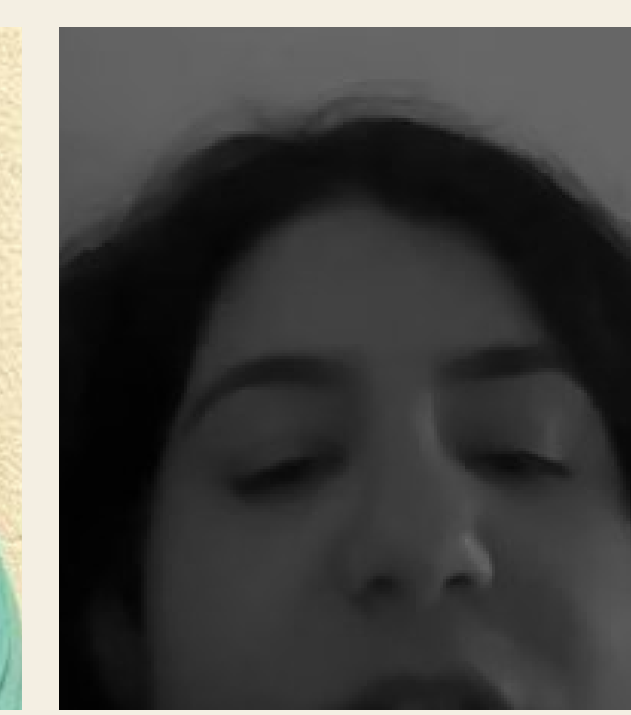
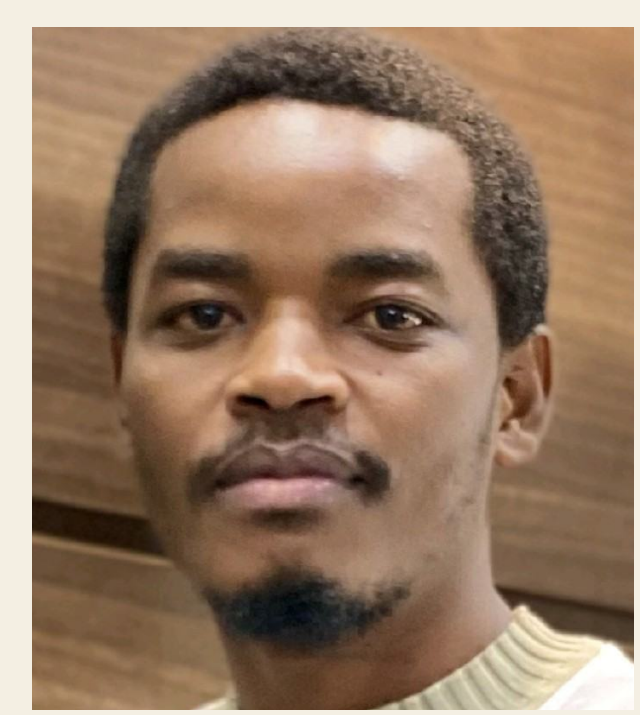
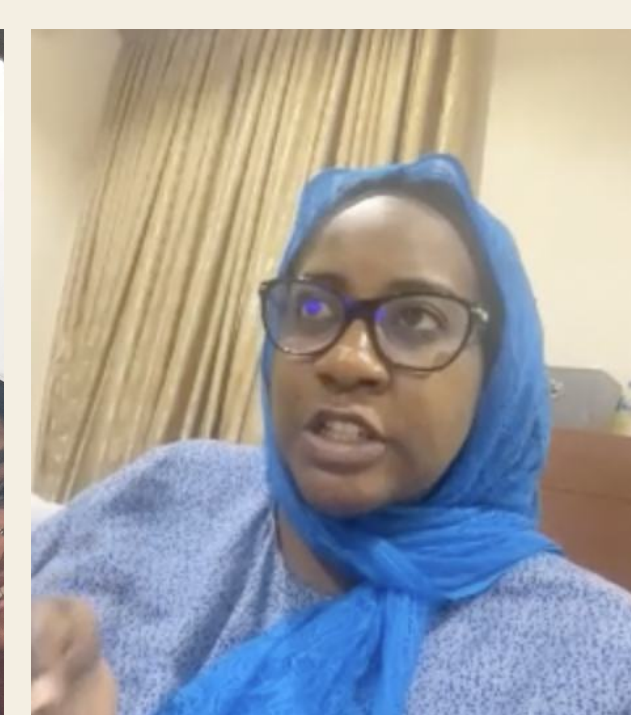
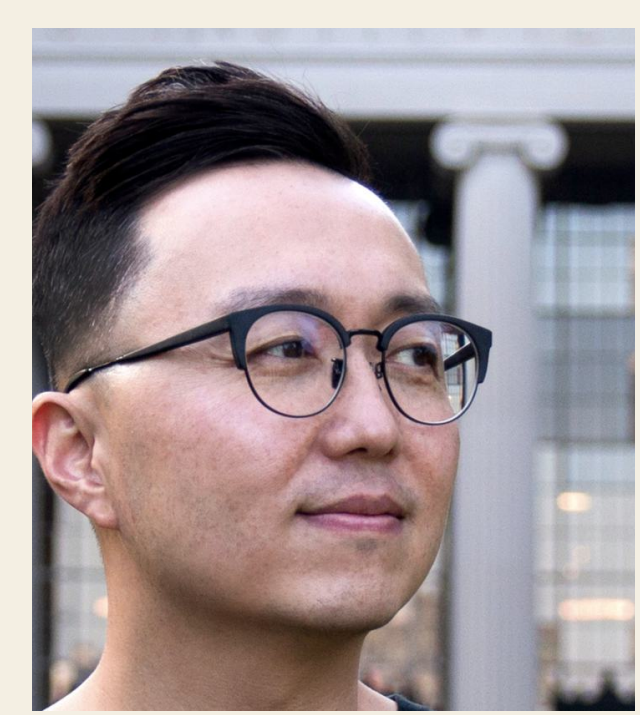


**Kathleen Brandenburg**, Harvard Instructor, Co-Founder IA Collaborative



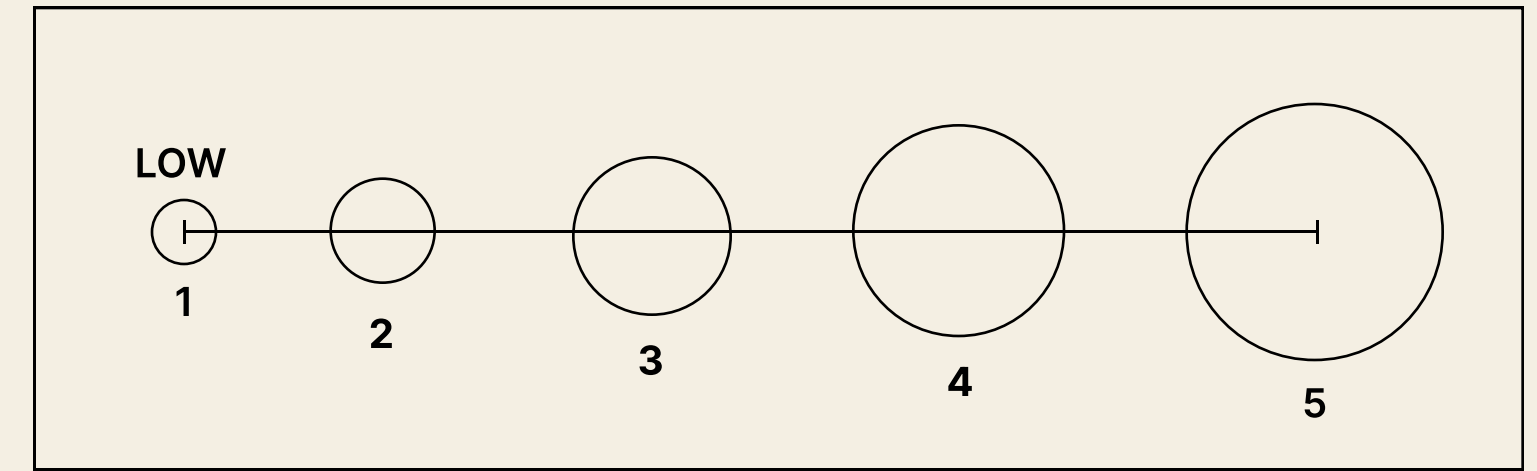
**Karen Reuther**, Harvard Instructor, Previously Creative Director at Reebok and Nike







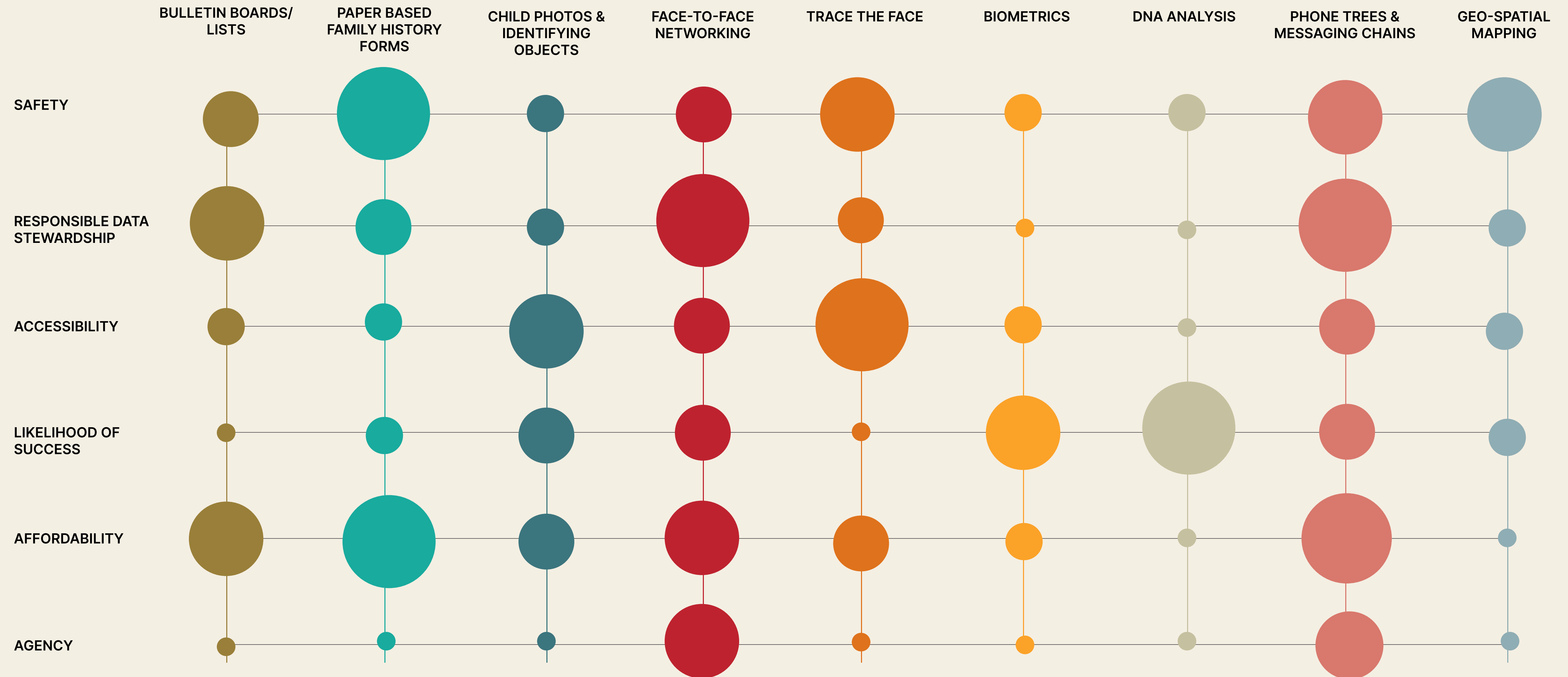
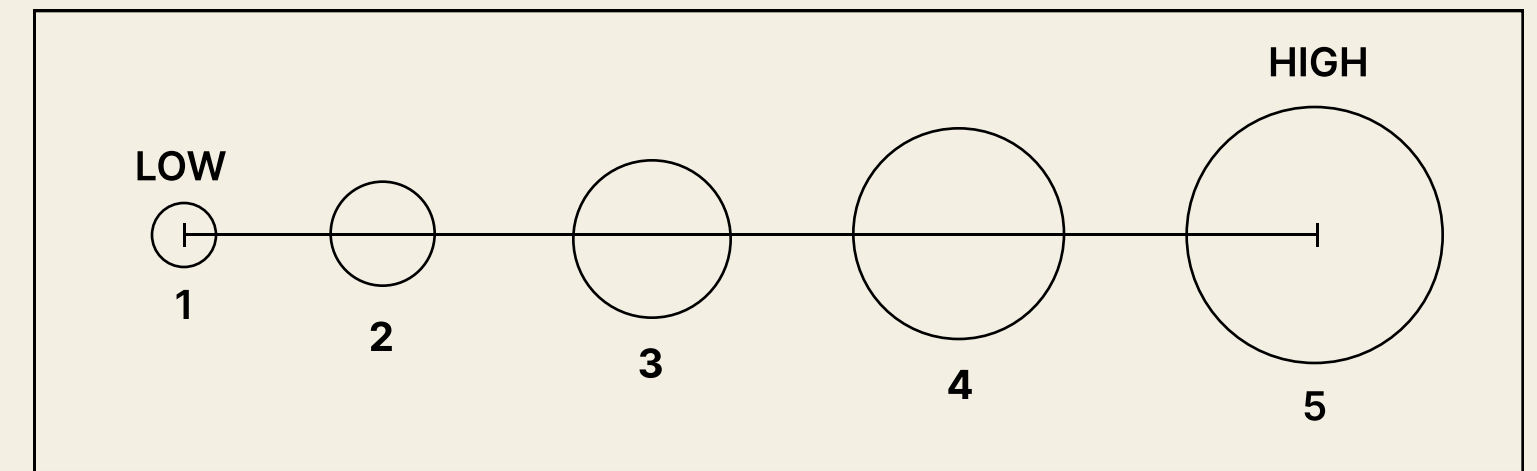
# Analysis of existing methods



- ① SAFETY
- ② RESPONSIBLE DATA STEWARDSHIP
- ③ ACCESSIBILITY
- ④ LIKELIHOOD OF SUCCESS
- ⑤ AFFORDABILITY
- ⑥ AGENCY

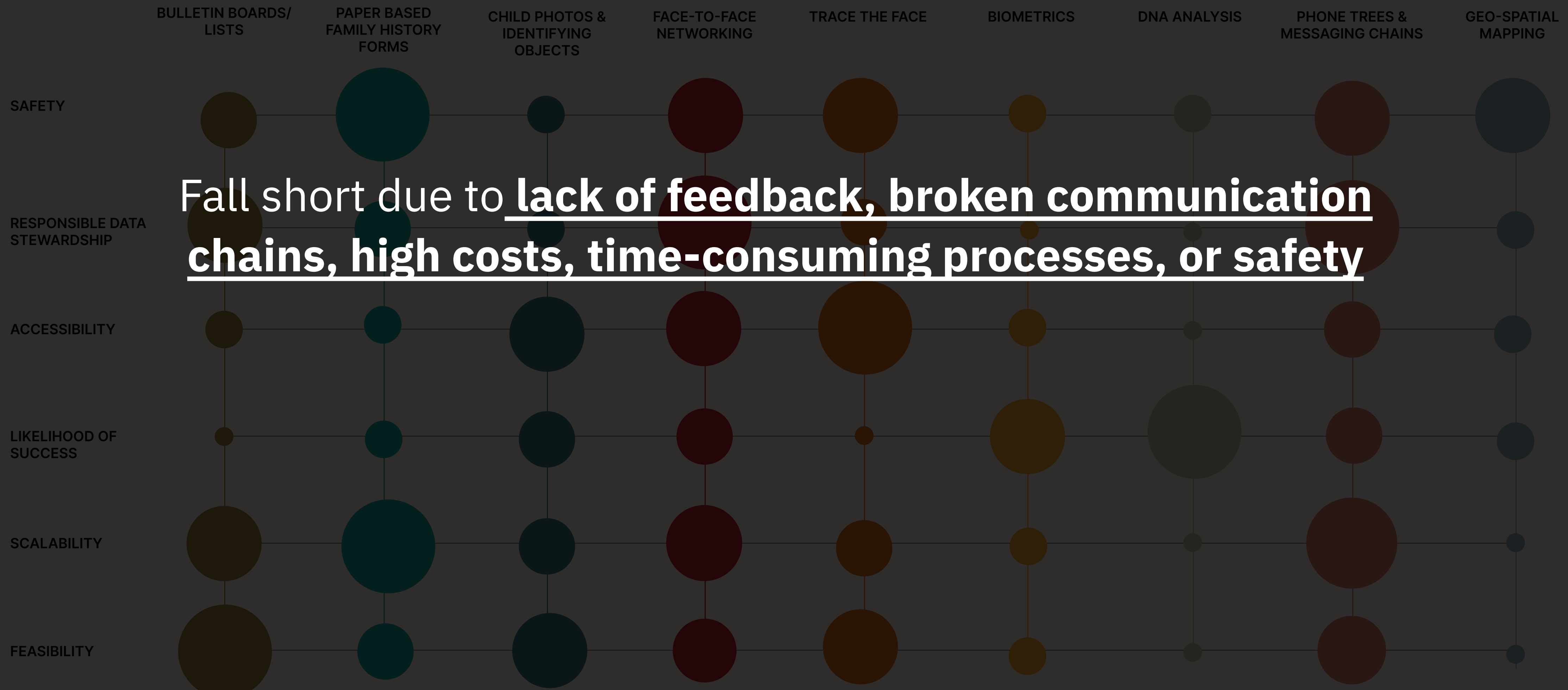
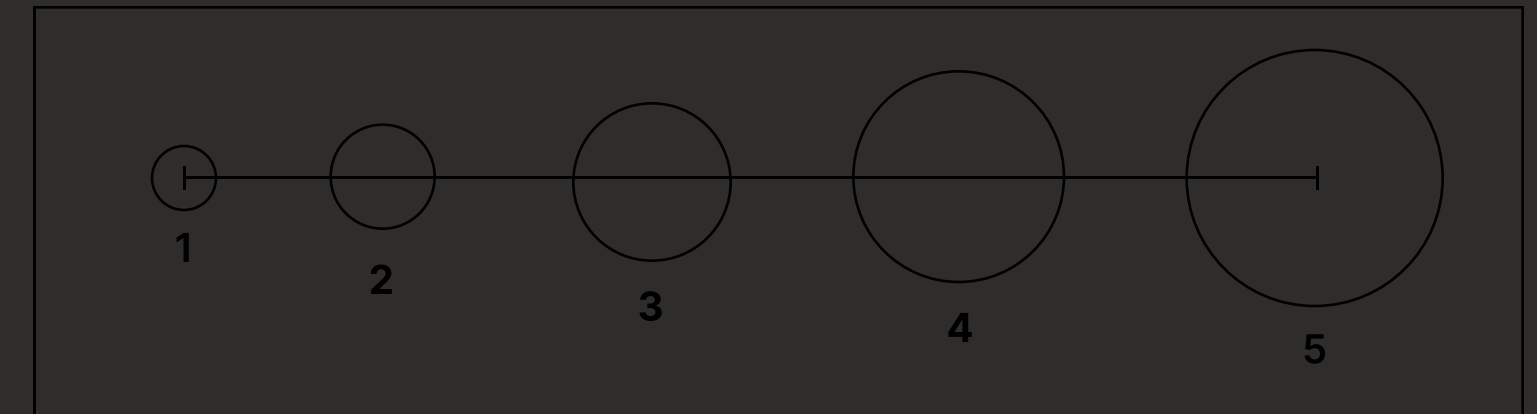


# Analysis of existing methods





# Analysis of existing methods



Fall short due to lack of feedback, broken communication chains, high costs, time-consuming processes, or safety



## Main Findings - Systems level

INTERVENTION

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CONTEXTUAL

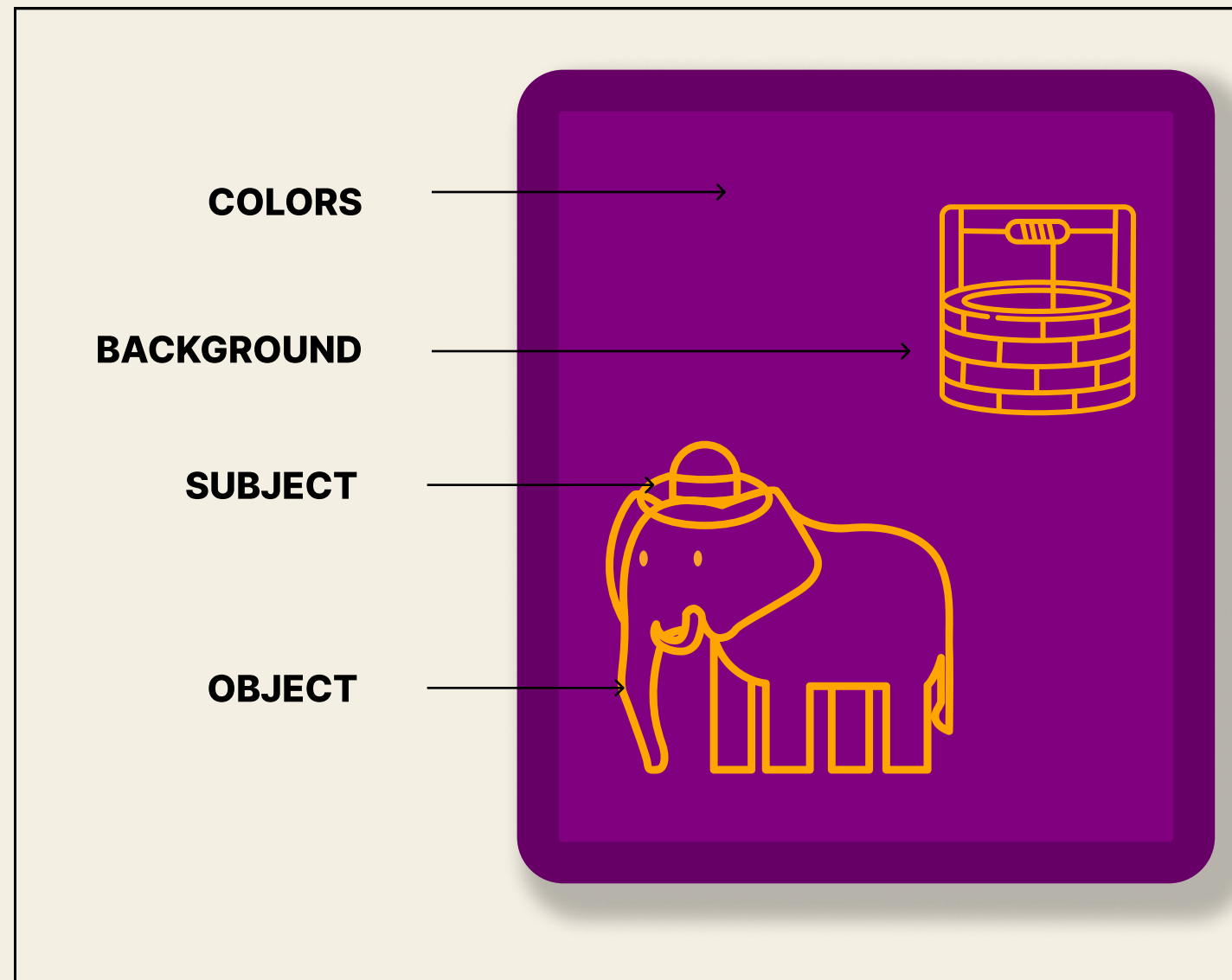
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BASELINE

<b>“Do no harm” principle</b>	<b>Design for redundancy</b>	
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## Initial Ideas



### IDEA 1: FAMILY CREST

Custom visual crests uniquely representing family units through icon combinations self-designed as symbolic markers.

### IDEA 2: RFID PIN

Assign encrypted RFID tags to refugees that securely broadcast coded familial identity markers when scanned voluntarily at aid agency facilities.



## Main Findings - Systems level

INTERVENTION

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CONTEXTUAL

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BASELINE

“Do no harm” principle

Design for redundancy

Co-created with  
communities

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**Jon Jal Dak**, YSAT Founder,  
UNHCR & Oxfam Advisor,  
South Sudanese Refugee







## Bidi Bidi Refugee Camp, Uganda.

Field work (Jan 10th - Jan 21st)





## Bidi Bidi Refugee Camp, Uganda.

Field work (Jan 10th - Jan 21st)





**Agaba Davis**, Kulika International,  
Camp Guide and Translator

**Bidali John**, Project Manager (YSAT),  
South Sudanese Refugee,  
Workshop Co-facilitator and Translator

**Julius Stein and Priyanka Pillai**,  
MDE Students, Harvard University





**Co-creation Workshops with people who have suffered family separation + foster families**  
Women, Children, & Men from South Sudan (ages 18-80)





**Mama**, Community Head - Zone 1  
South Sudanese Refugee  
**Mobilized around 64 people**



**Joyce**, Community Head - Zone 4  
South Sudanese Refugee  
**Mobilized around 43 people**

**Mobilization Heads**





## **Community Leadership Focus Groups (4)**

Dialogues with Heads of Child Protection, Youth, Women, Disabilities, and Development





**Meetings with NGOs/INGOs (6)**

Meetings with On-Ground Organizations like I Can South Sudan, World Vision, UNHCR, Plan International, and Red Cross





B+ oil  
= B oil  
DIALOGUE ON FAMILY RE-UNIFICATION  
AT ZONE II VILLAGE III  
17<sup>th</sup> Jan 20

AGENDA

- Arrival & registration / sign consent-form (All)
- Opening prayer (Willing person)
- Introduction (All)
- Expectations & meeting rules (Bibali, Davis, Julius)
- Welcome remarks (RNC chair person)
- Project overview (Priyanka)
- Icebreaker (Julius)
- Voting Ideas (Priyanka)
- Discuss Existing solution (Participants & facilitator)
- Brain storming Ideas (Julius)
- Journey mapping (Julius)
- Choose one idea/making (Priyanka)
- Closing



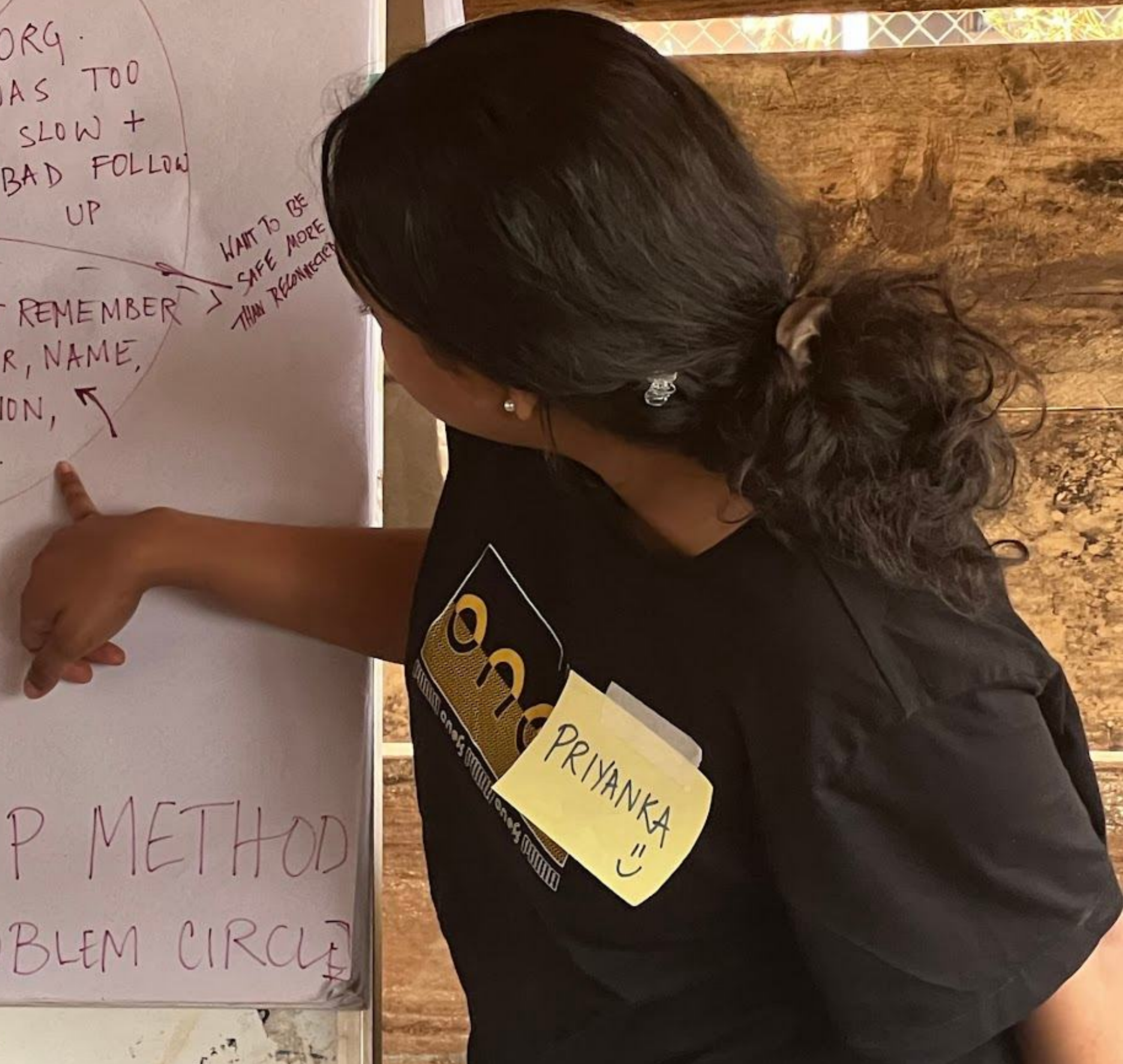
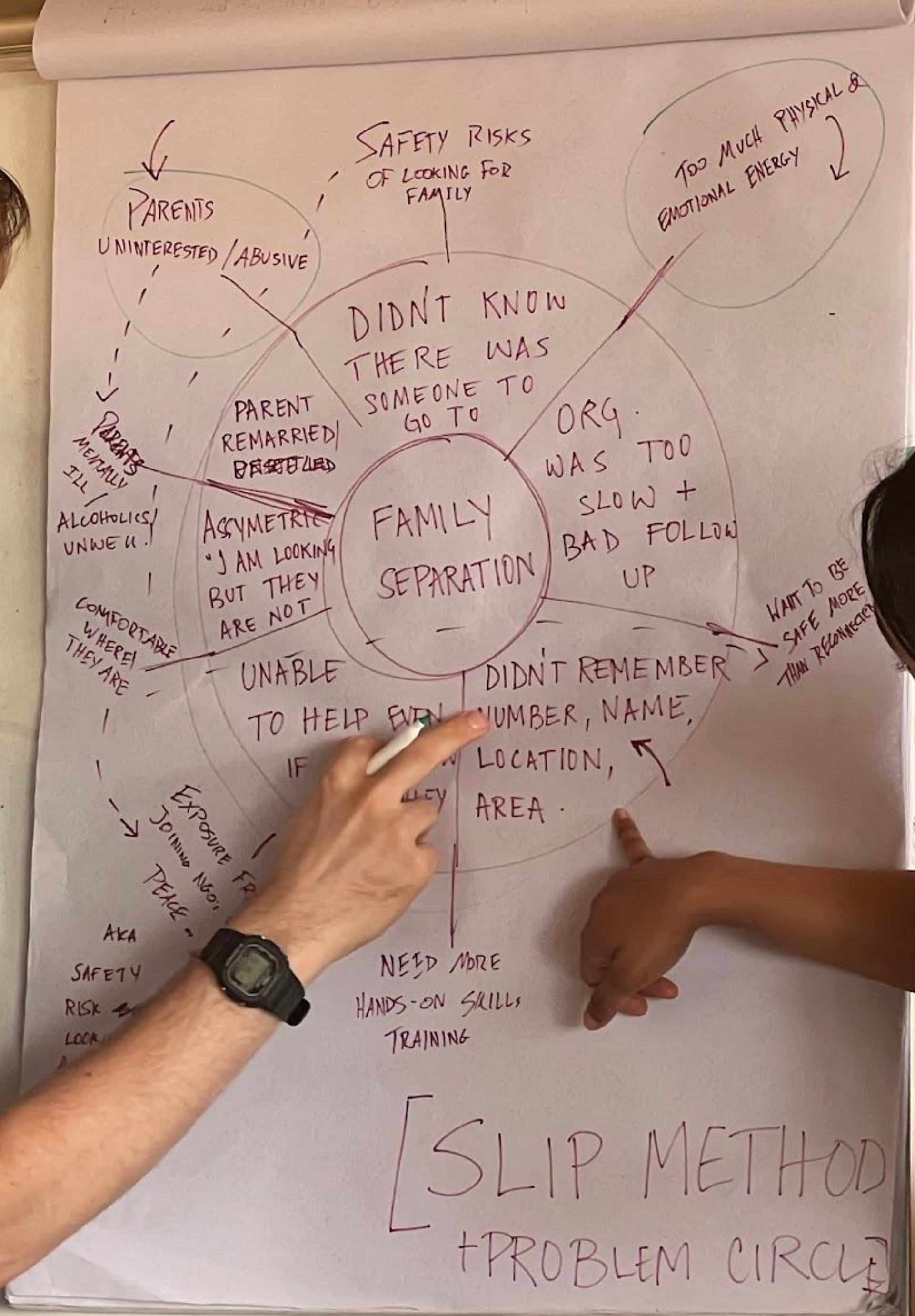
Journeys and the intricate challenges of reunification















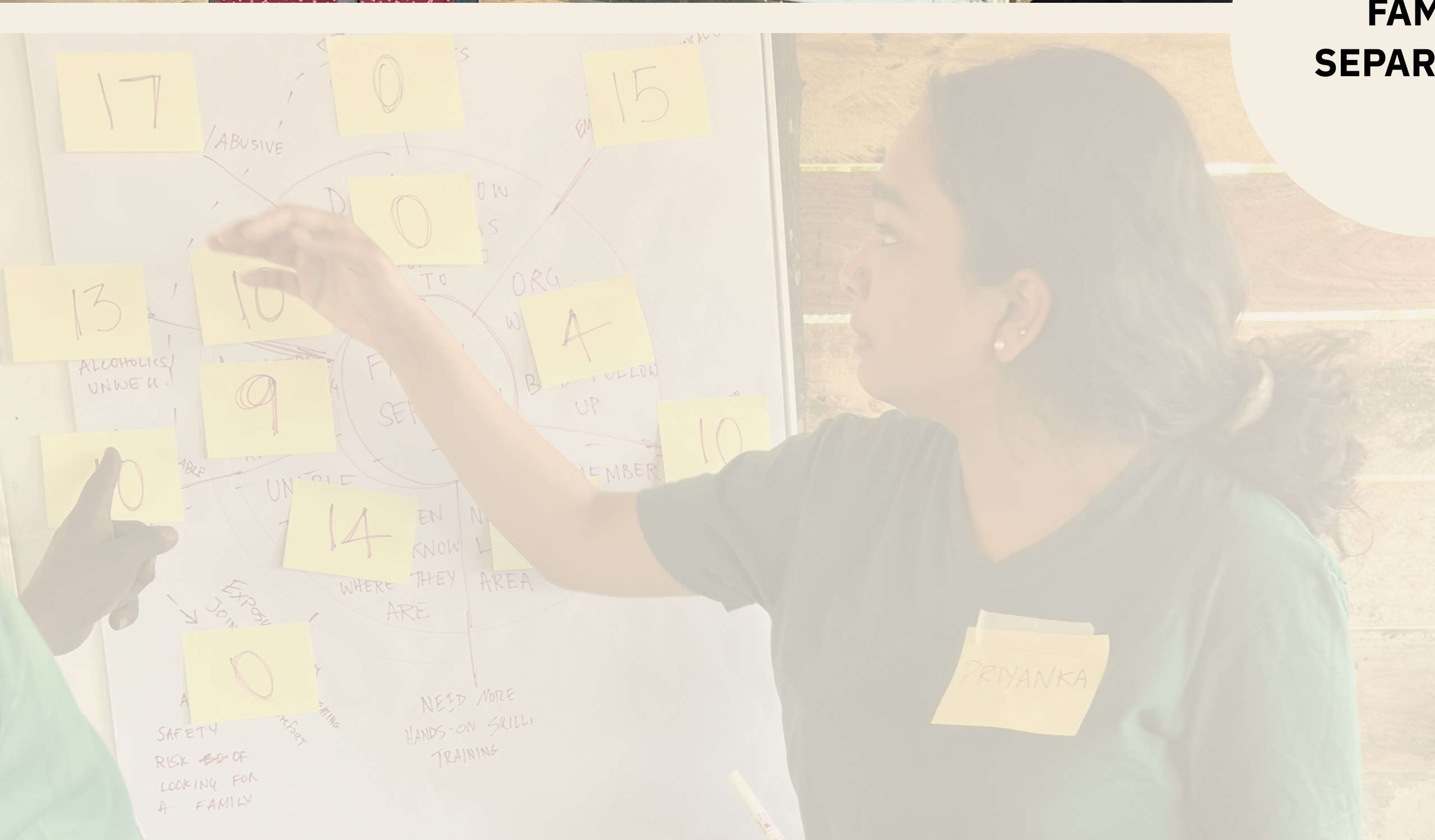




Day 1, Zone 1 - Participants: 23



**FAMILY SEPARATION**







Day 1, Zone 1 - Participants: 23



Day 2, Zone 4 - Participants: 30

**FAMILY SEPARATION**





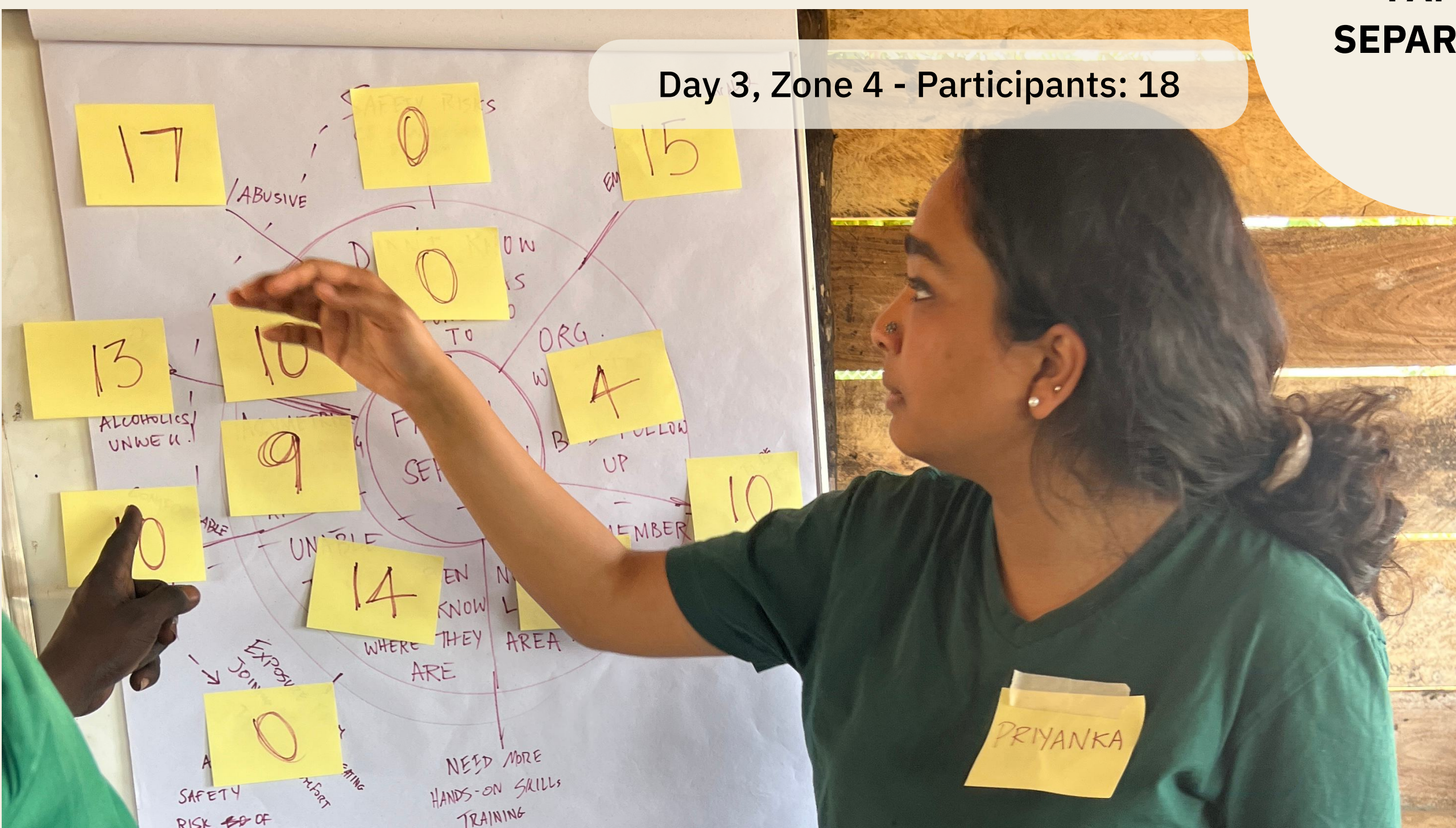


Day 1, Zone 1 - Participants: 23



Day 2, Zone 4 - Participants: 30

**FAMILY SEPARATION**



Day 3, Zone 4 - Participants: 18





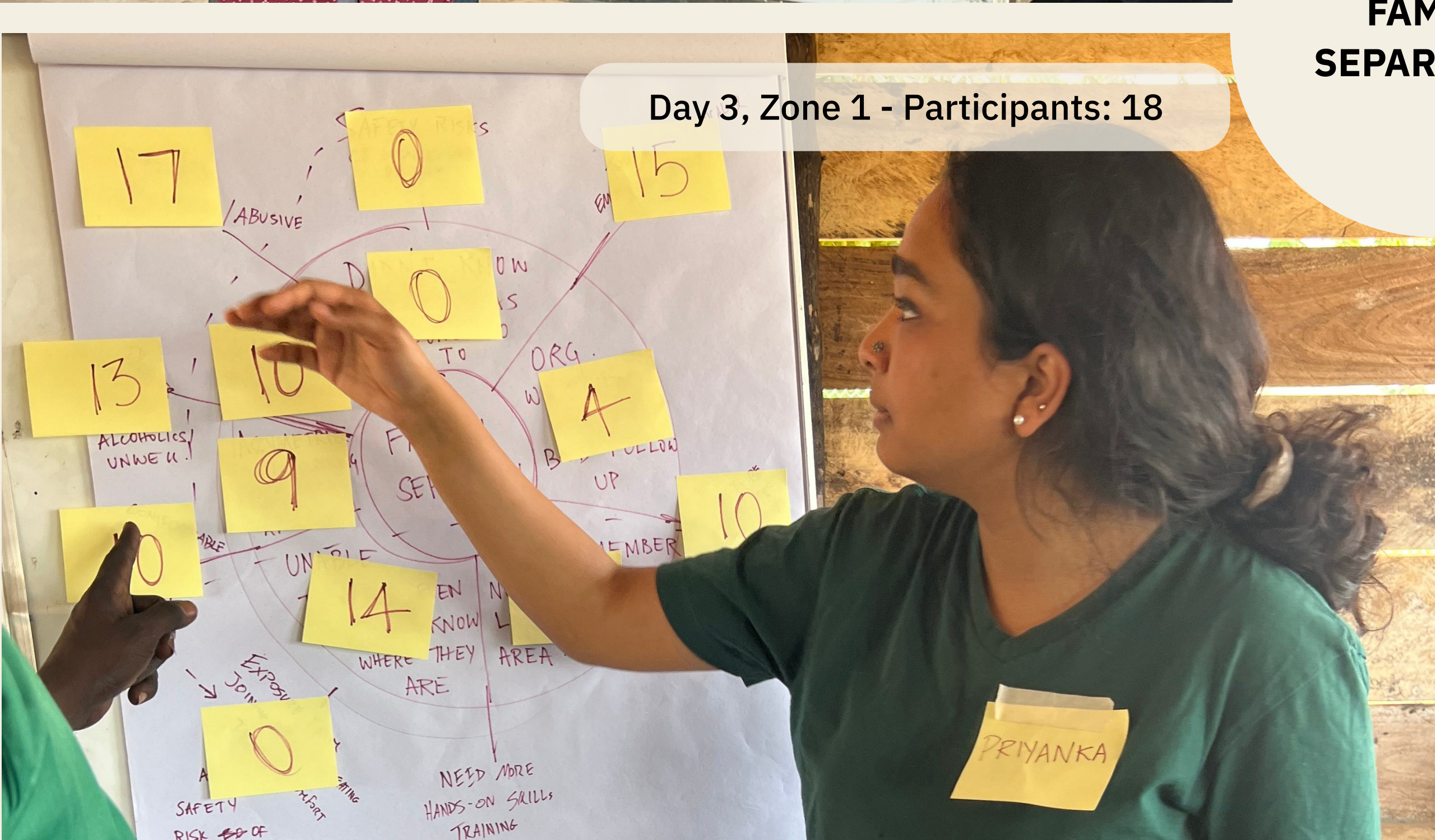


Day 1, Zone 1 - Participants: 23

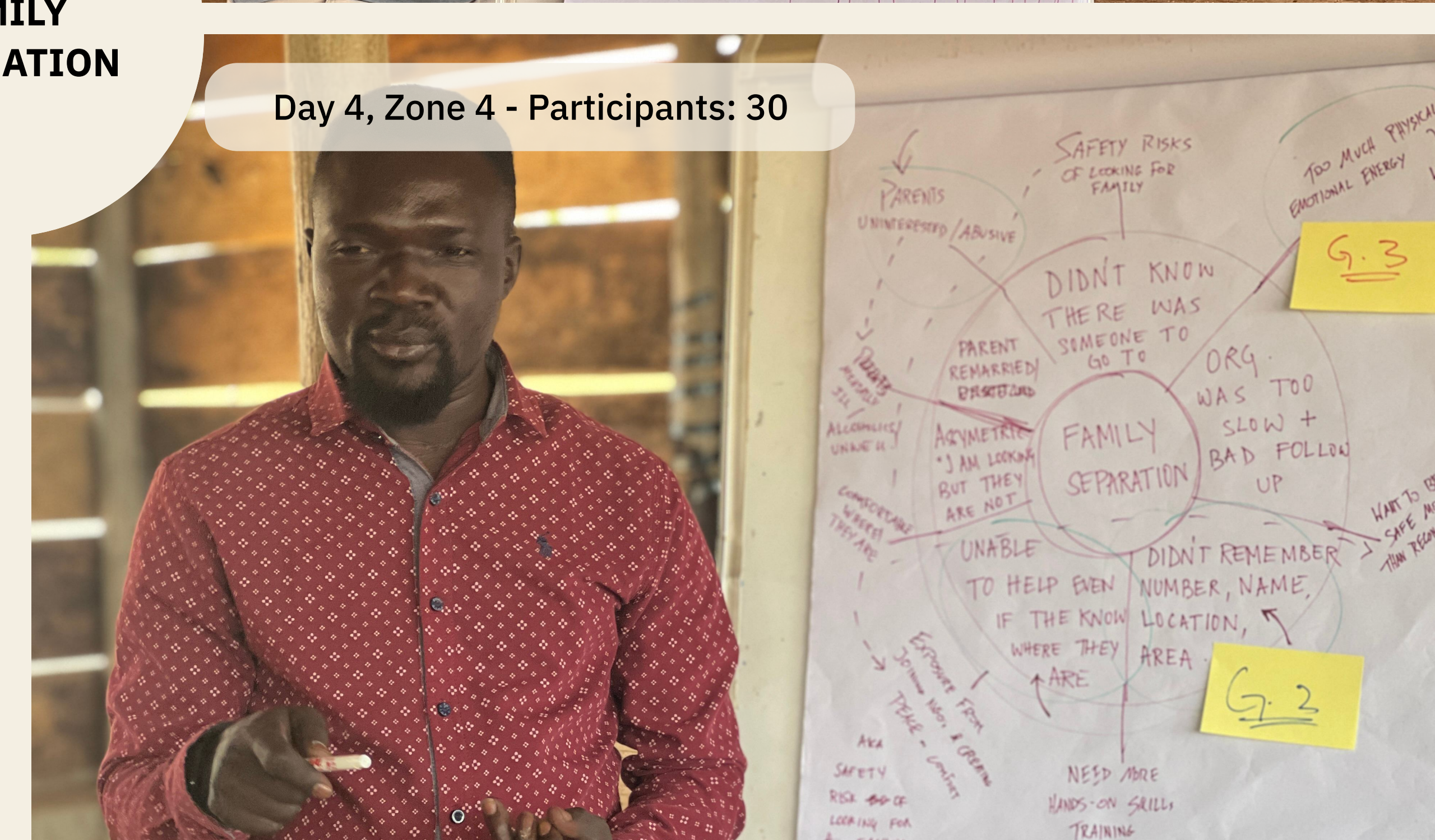


Day 2, Zone 4 - Participants: 32

**FAMILY SEPARATION**



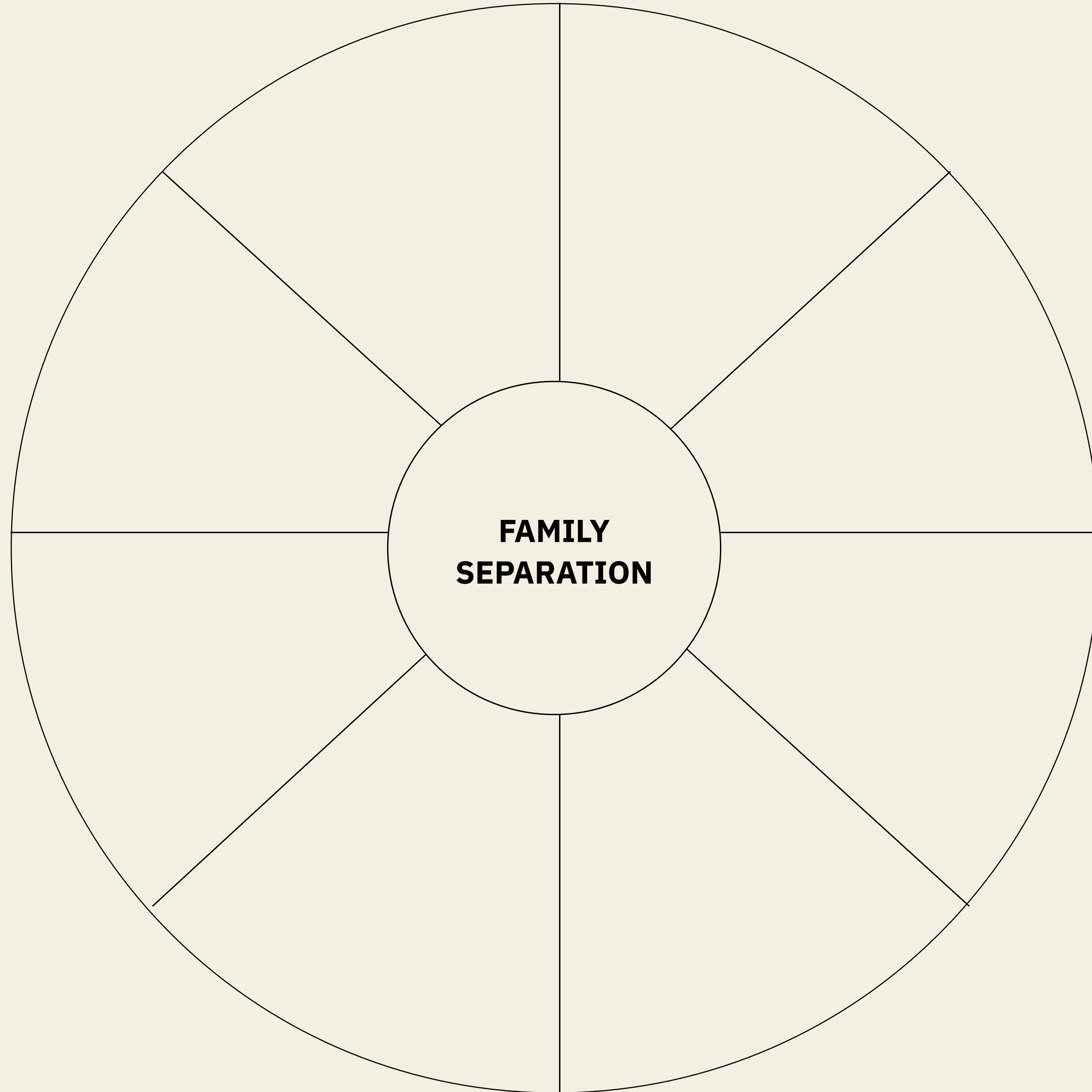
Day 3, Zone 1 - Participants: 18



Day 4, Zone 4 - Participants: 30

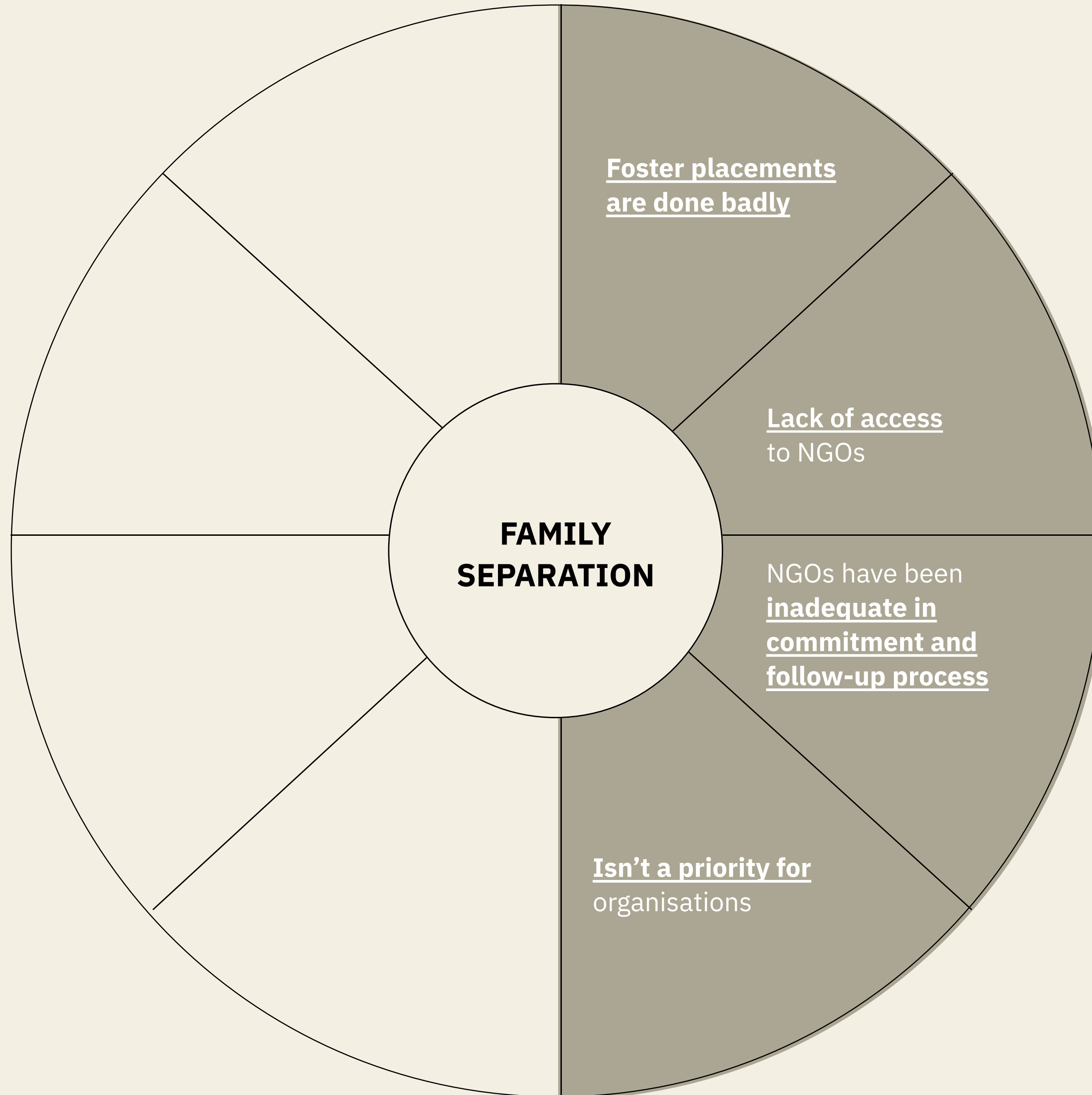


## Main Findings - User level



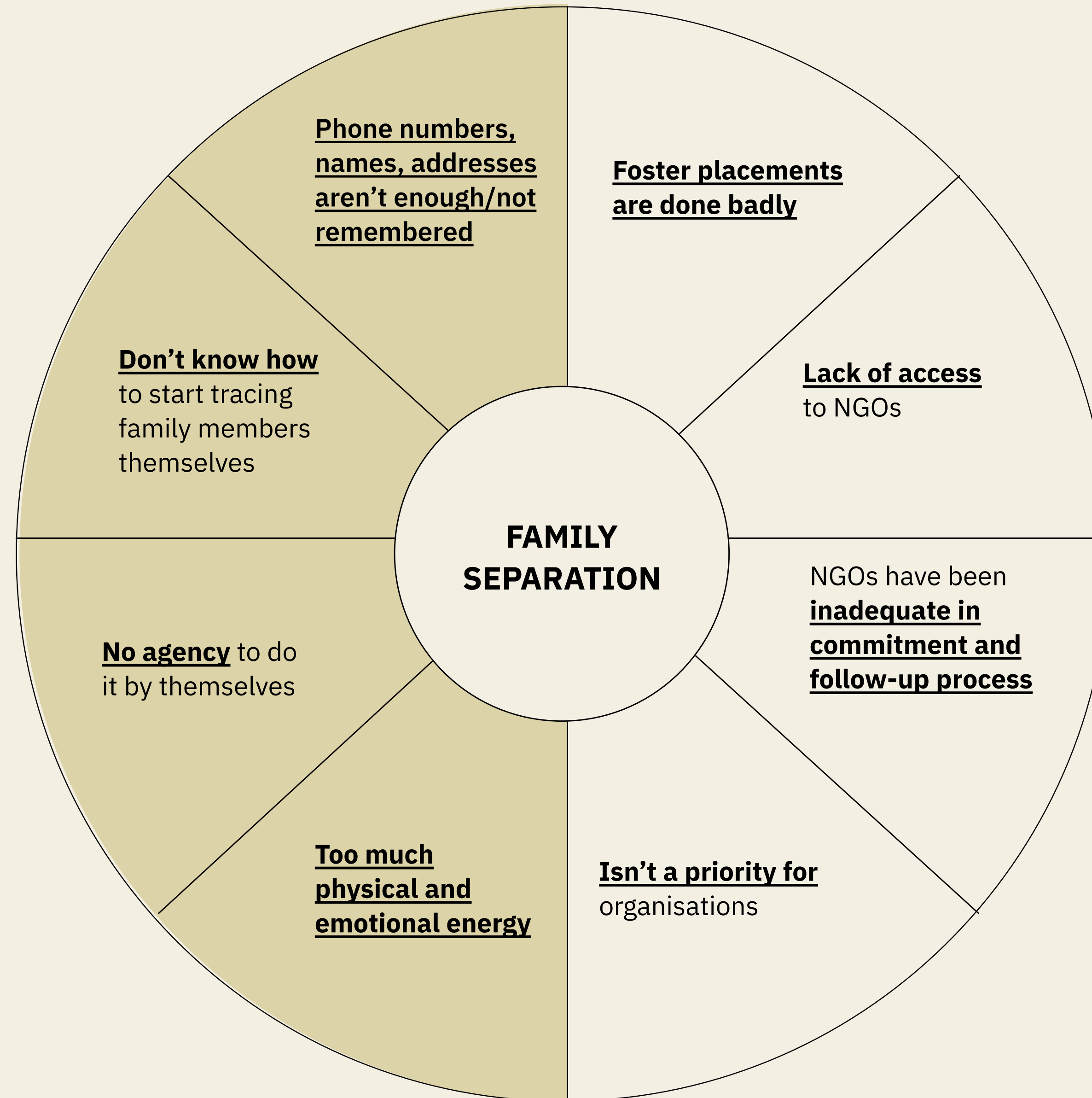


## Main Findings - User level



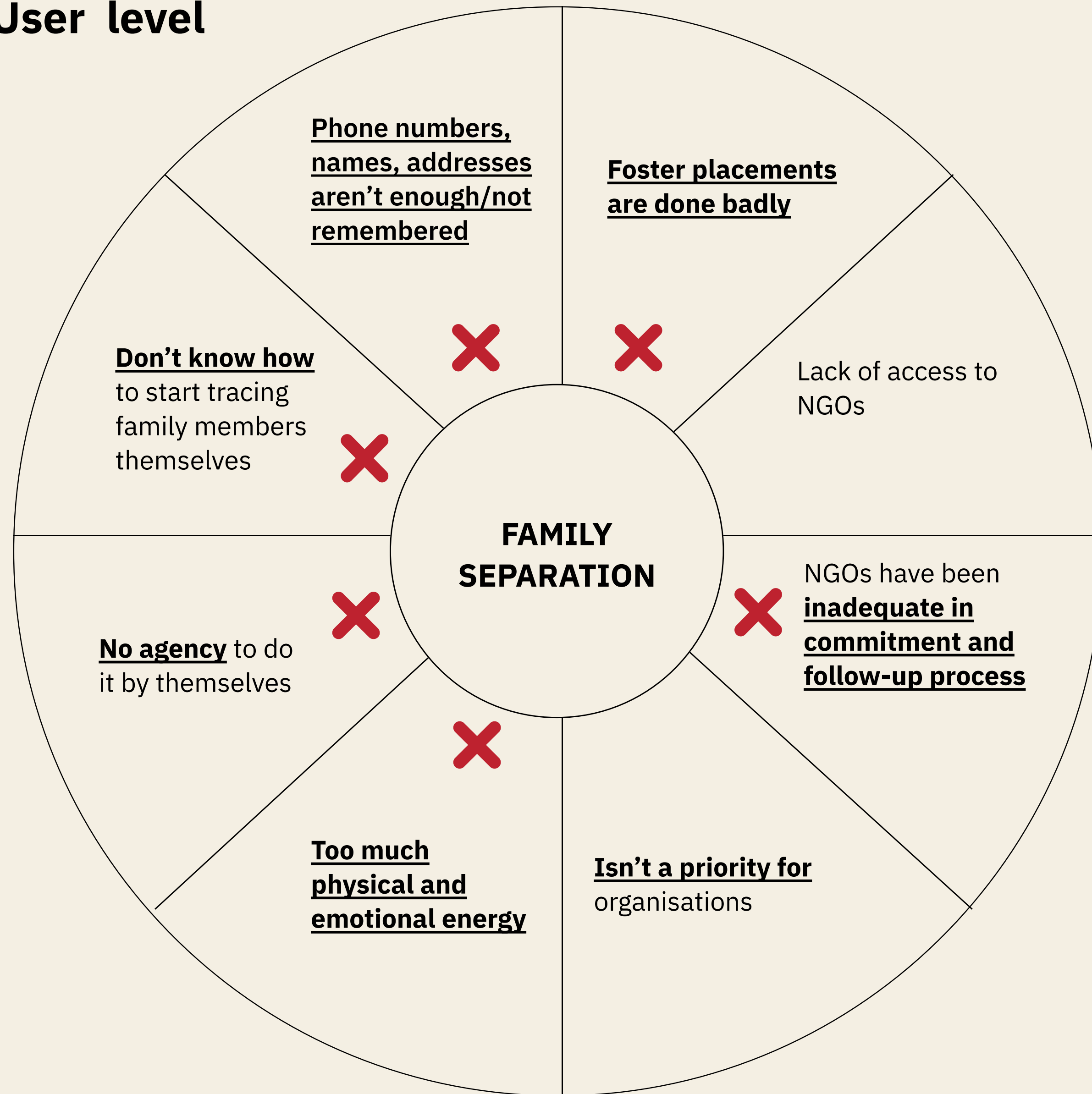


## Main Findings - User level





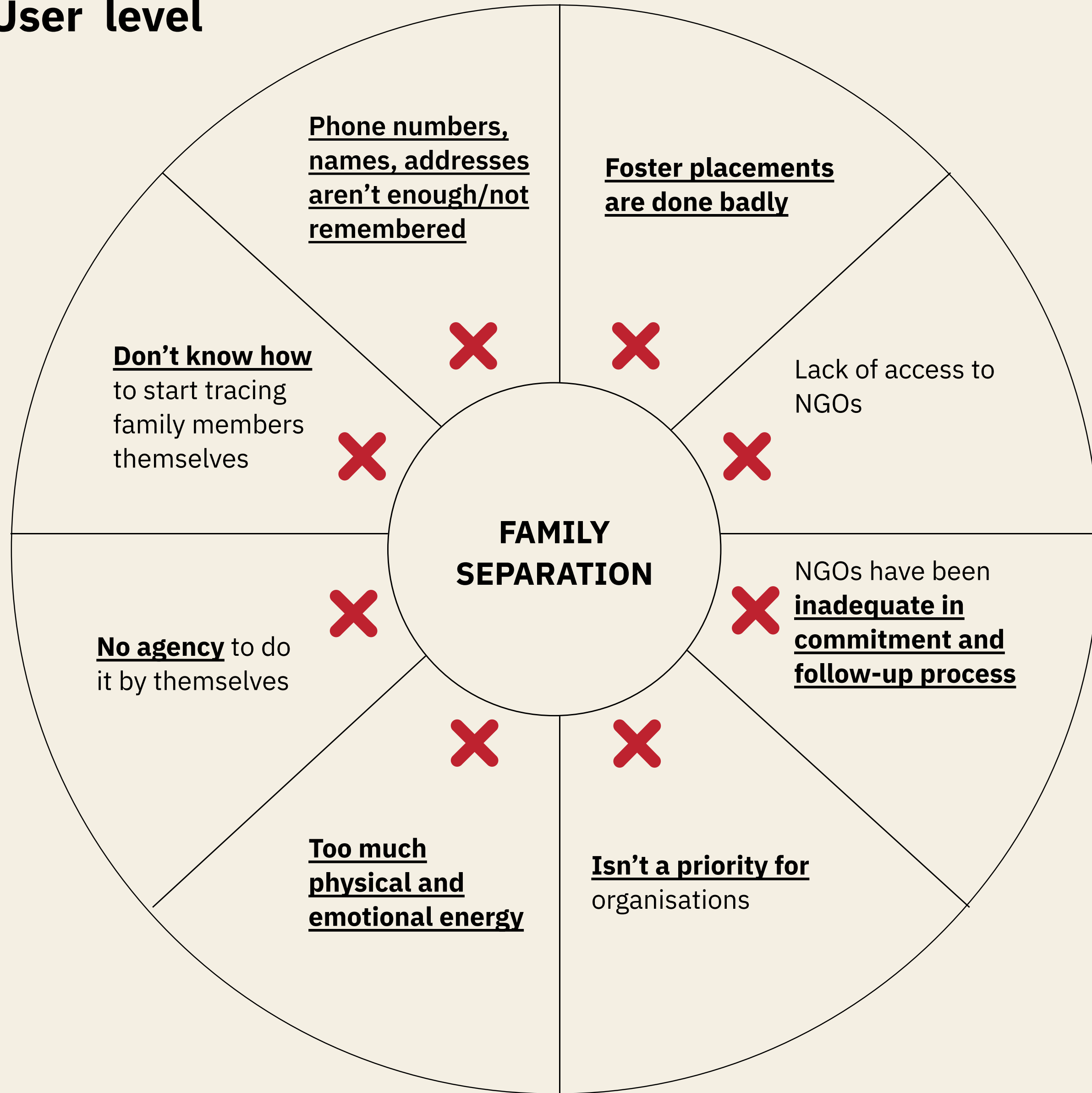
## Main Findings - User level



**Crest - Failed**



# Main Findings - User level



**RFID Pin - Failed**









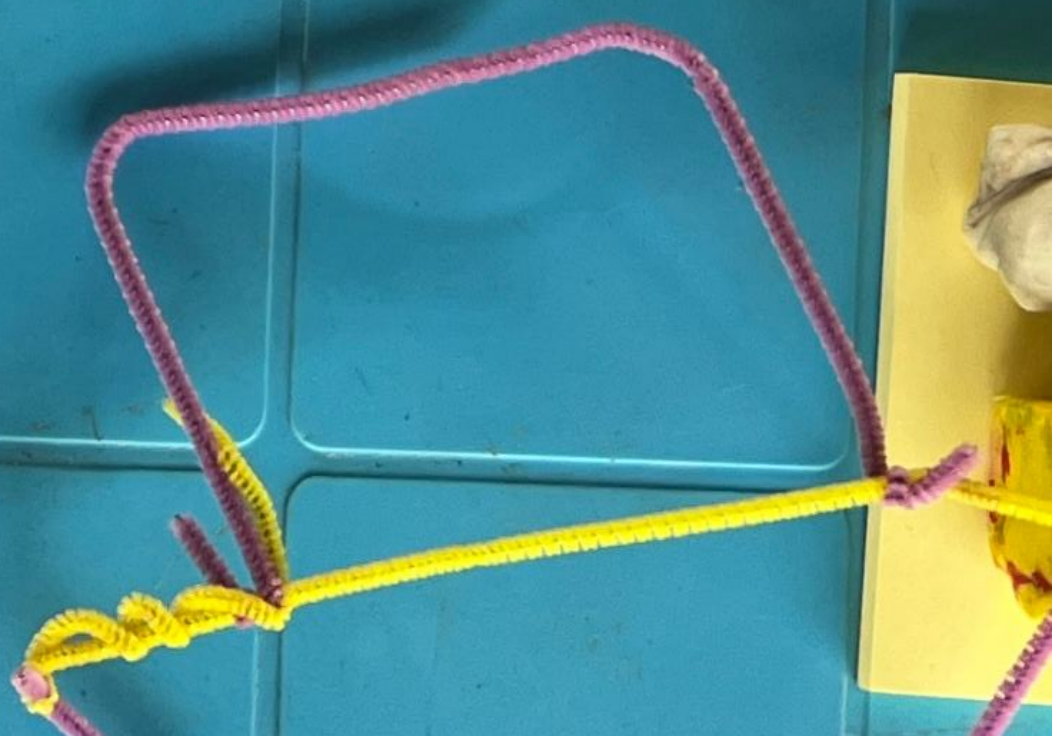
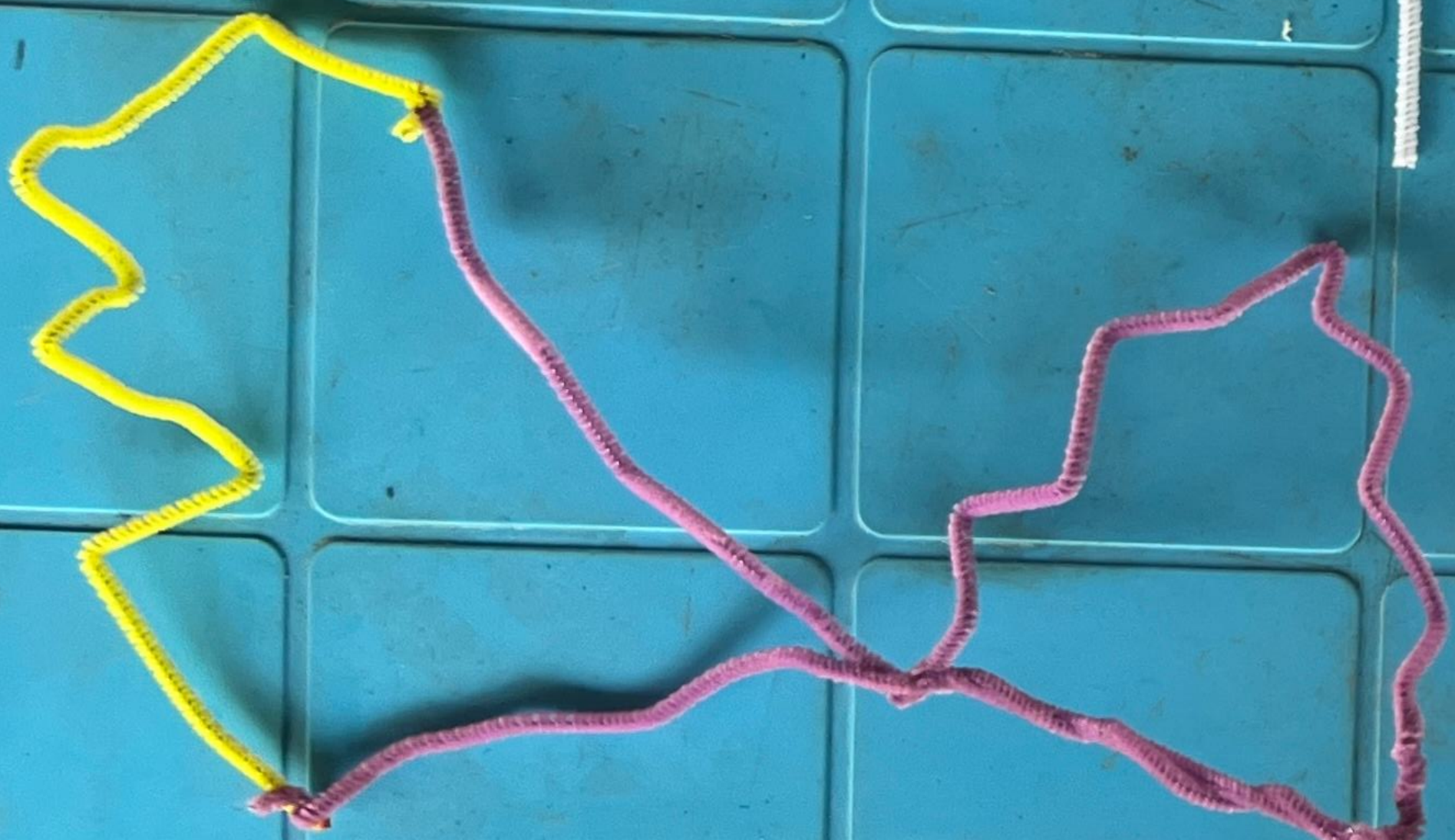
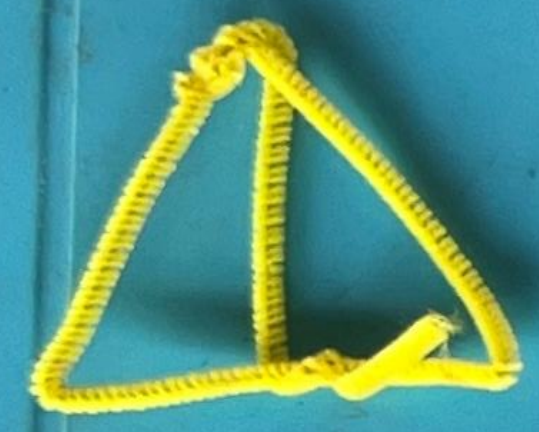
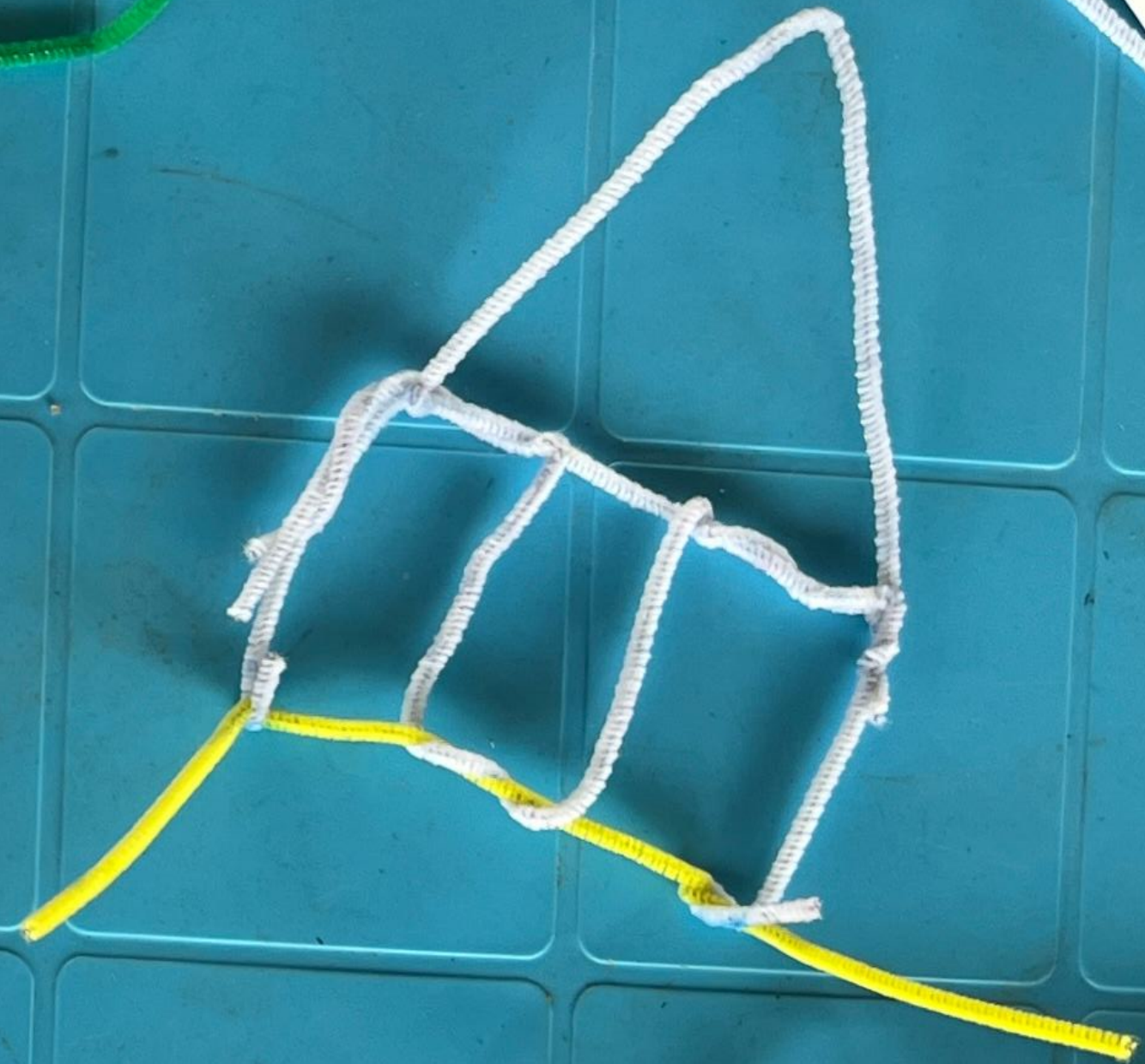
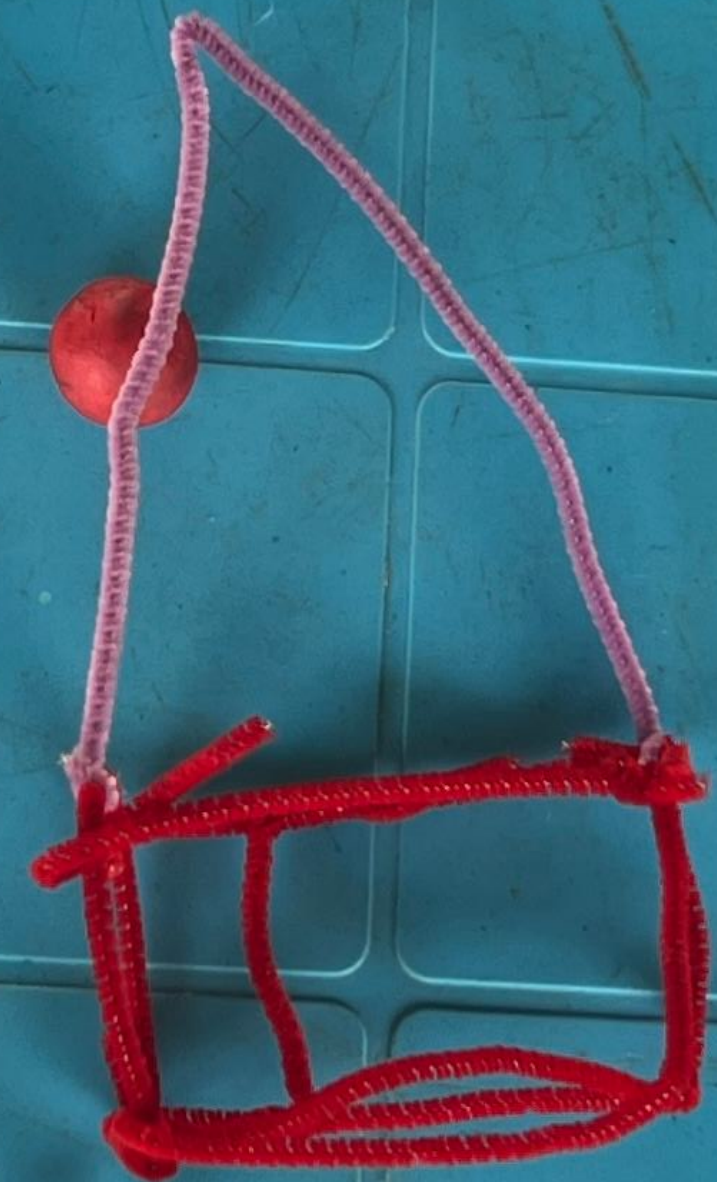
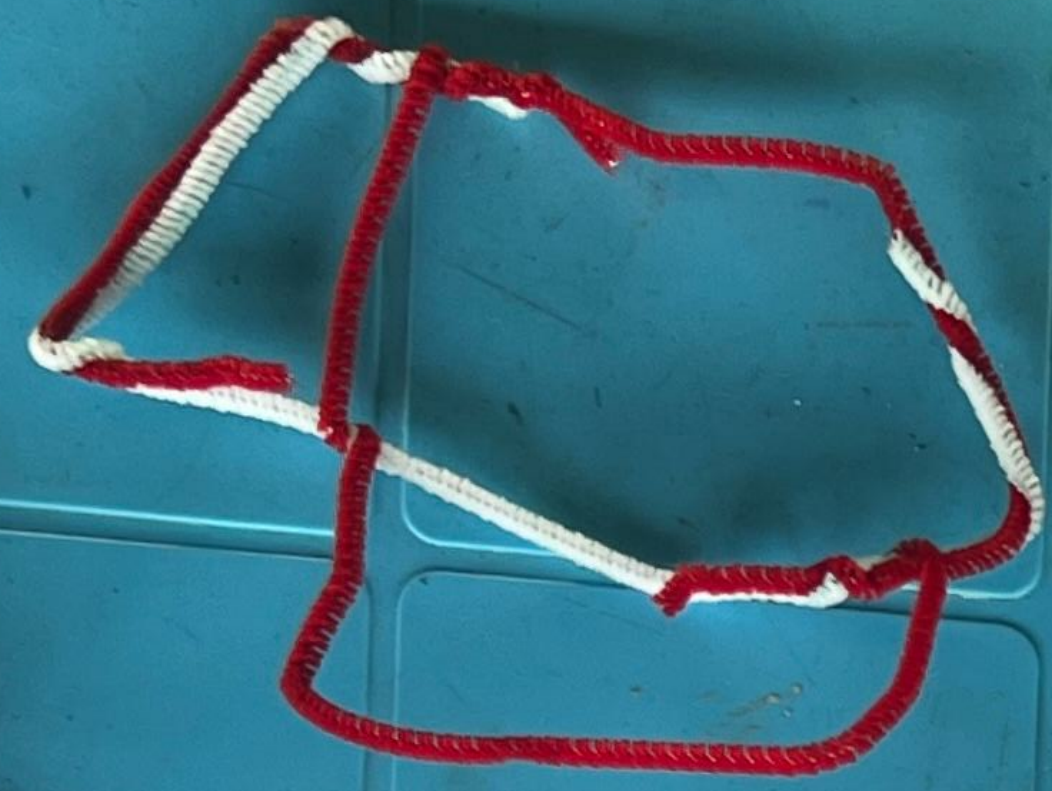
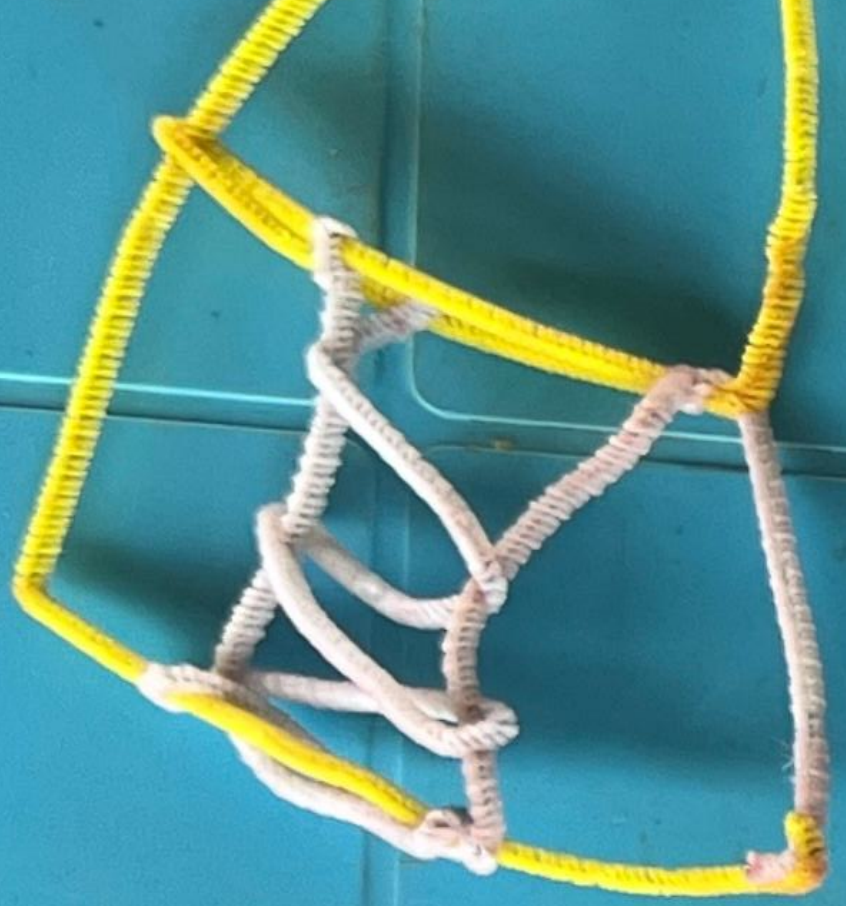




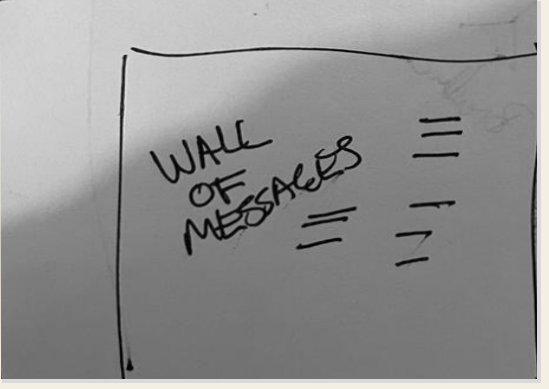
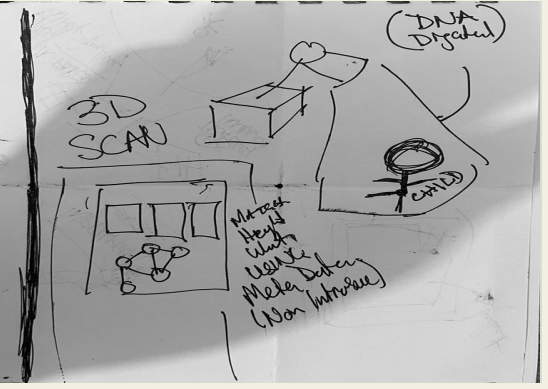
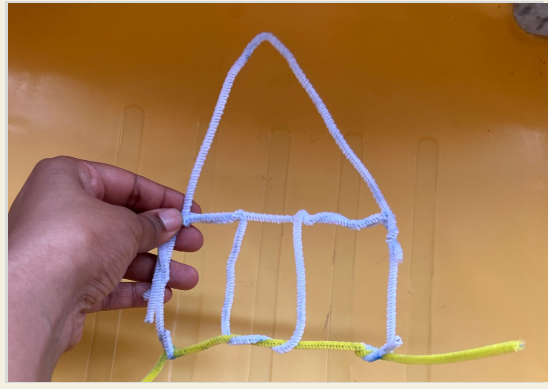
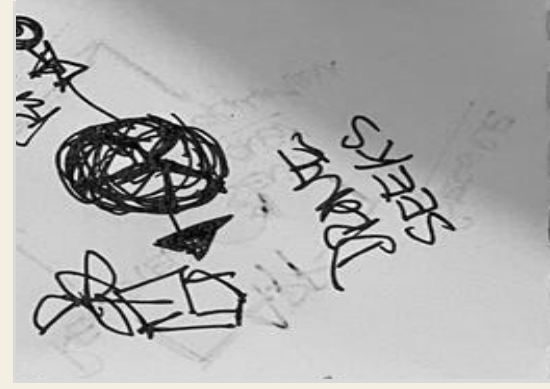
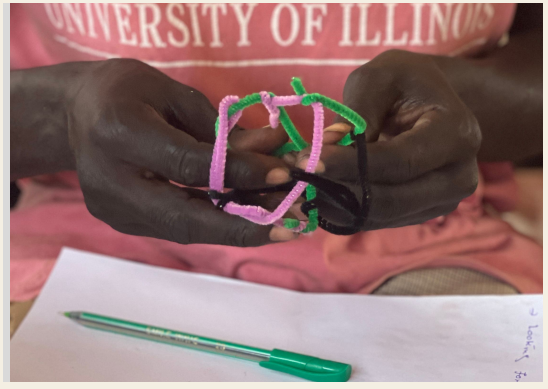
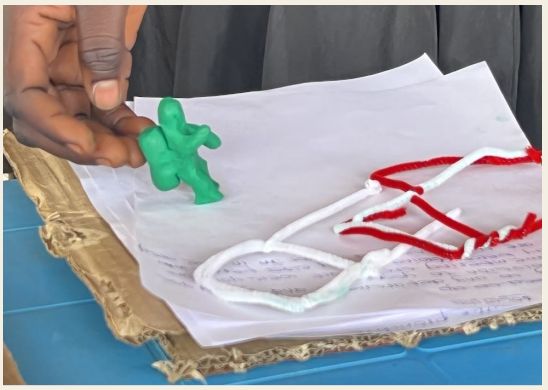
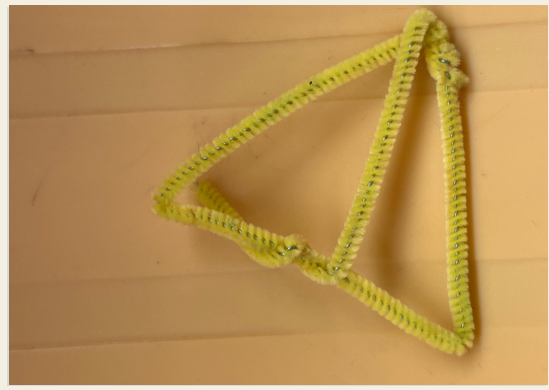
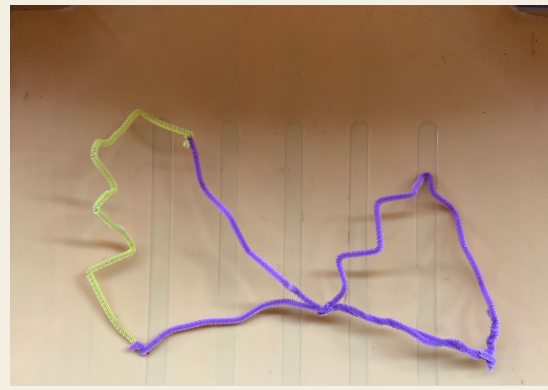
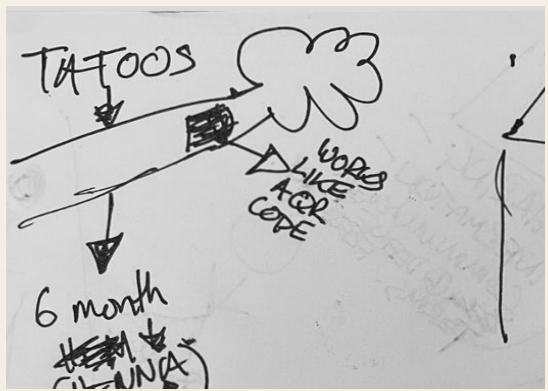
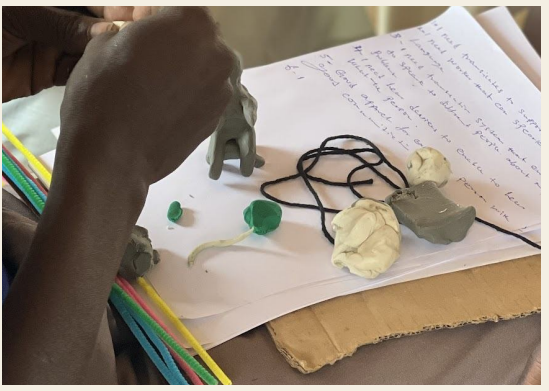
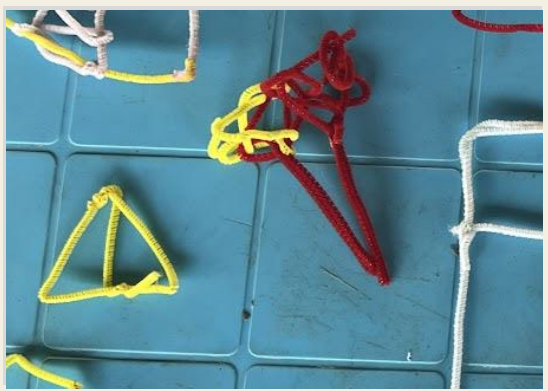
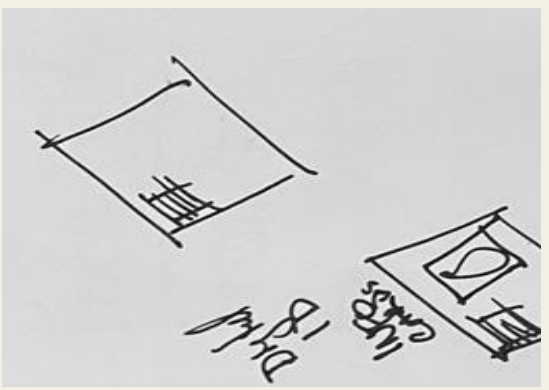
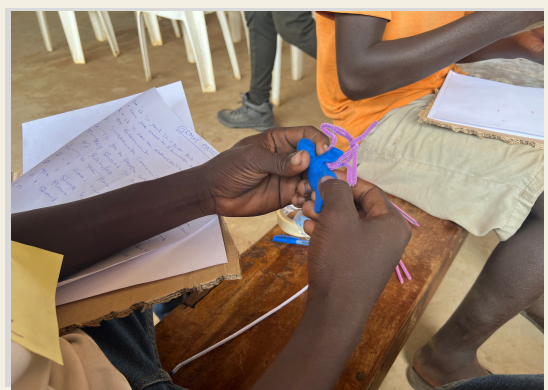
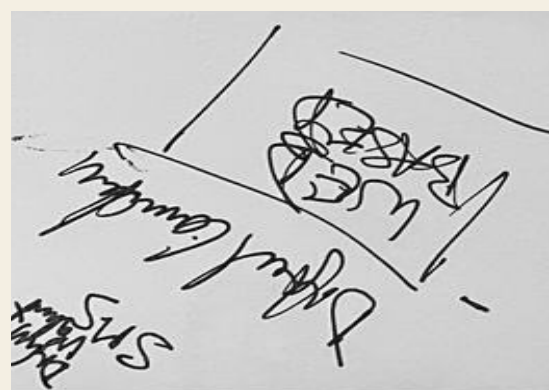
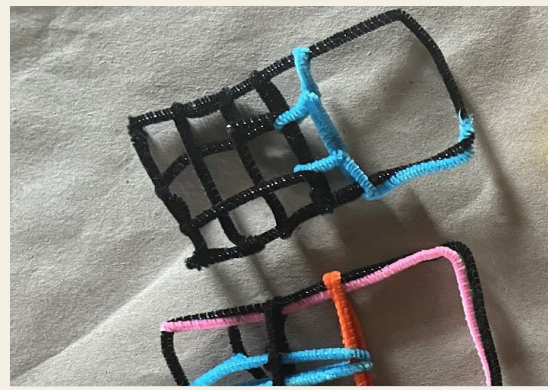
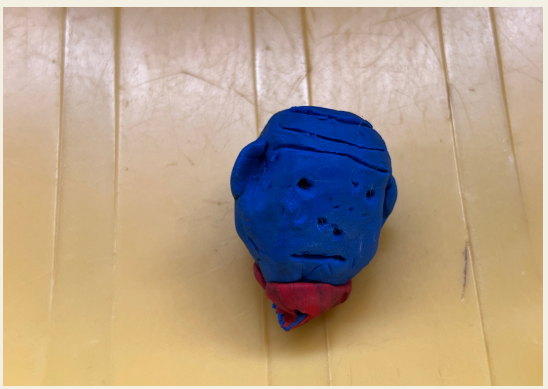
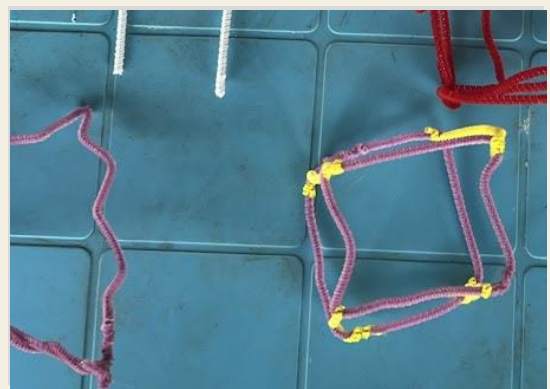
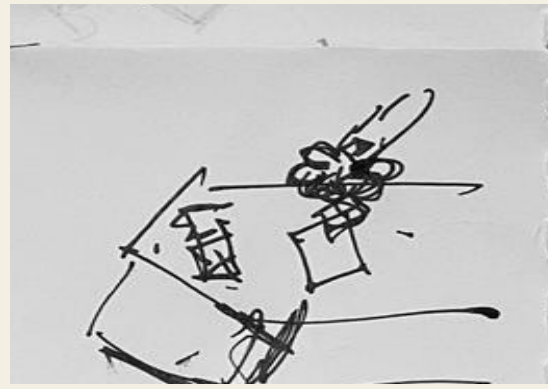
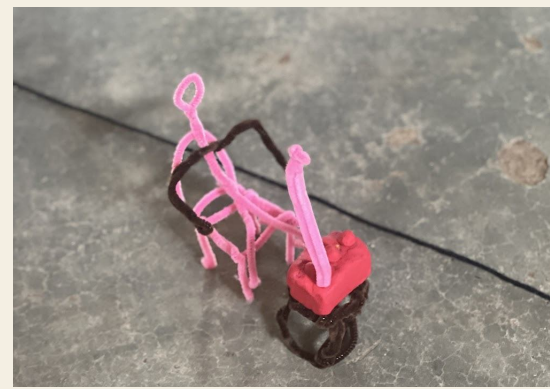


























● WHAT should be collected?

○ HOW

○ WHO



“Knowing facial markings and features help narrow down family and clan”



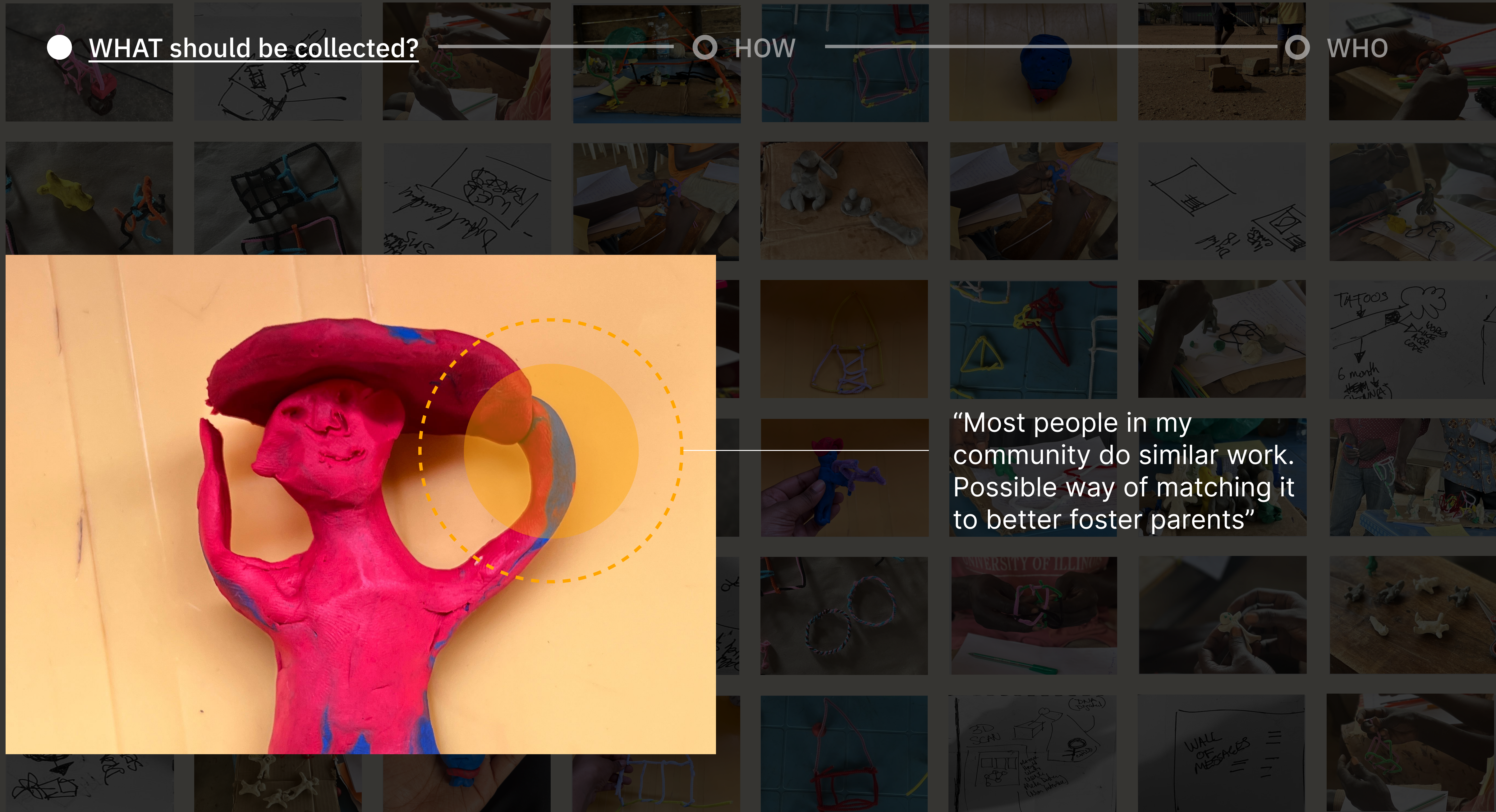
● WHAT should be collected?

○ HOW

○ WHO



“Most people in my community do similar work. Possible way of matching it to better foster parents”

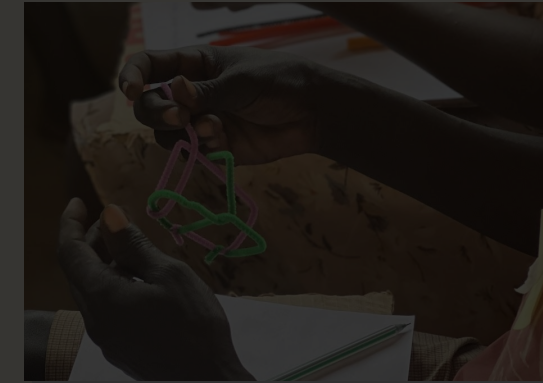
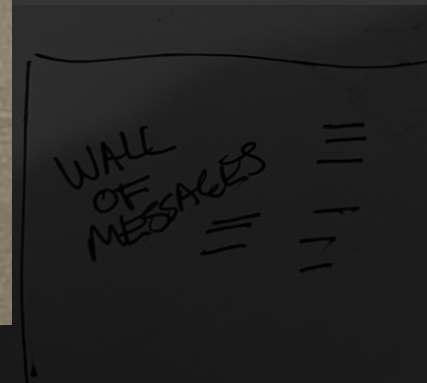
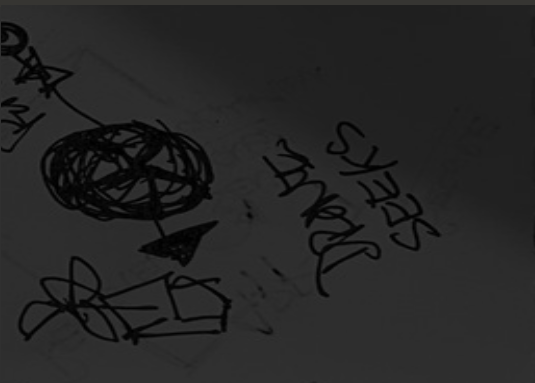
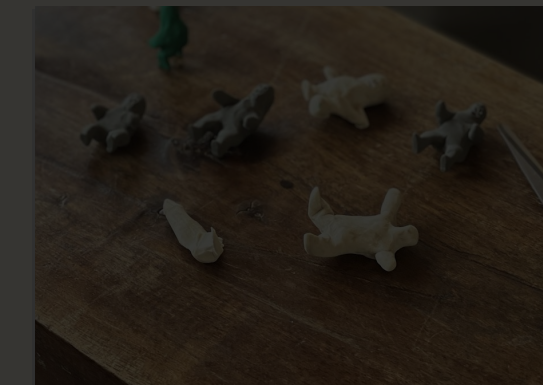
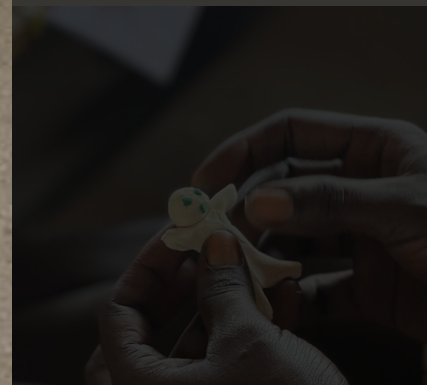
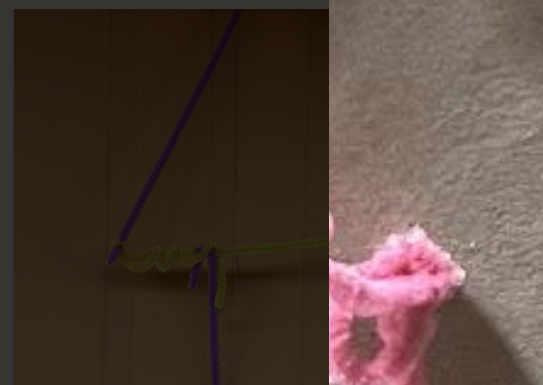
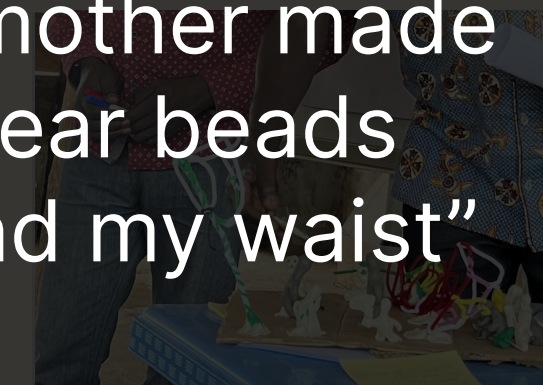
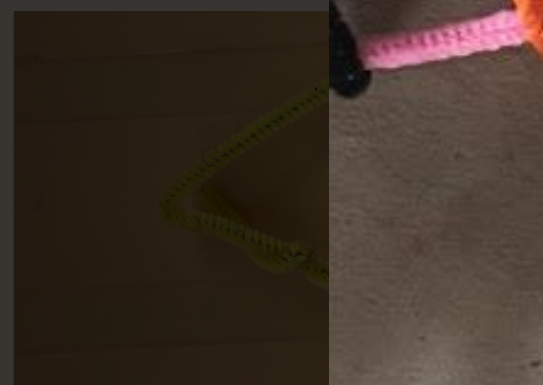
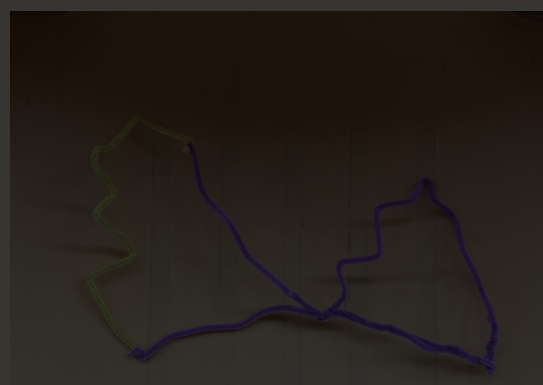
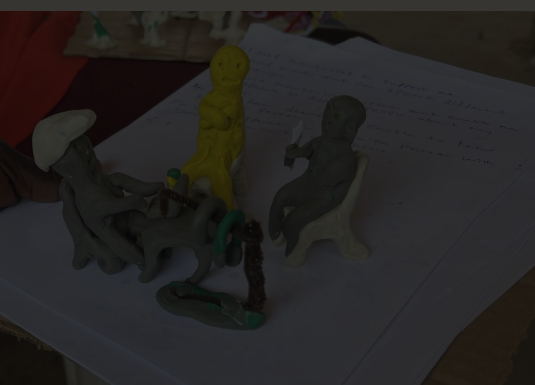
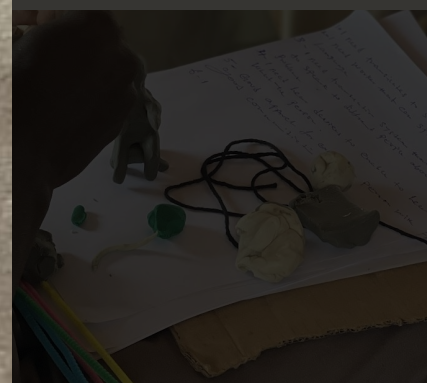
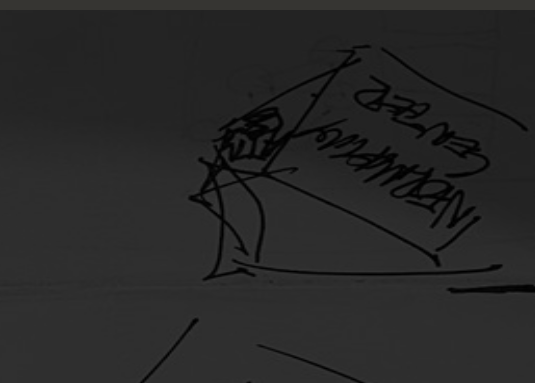
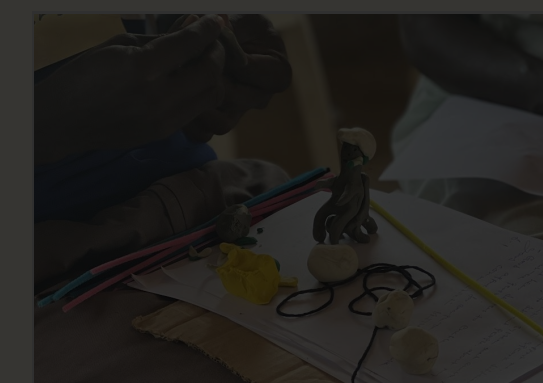
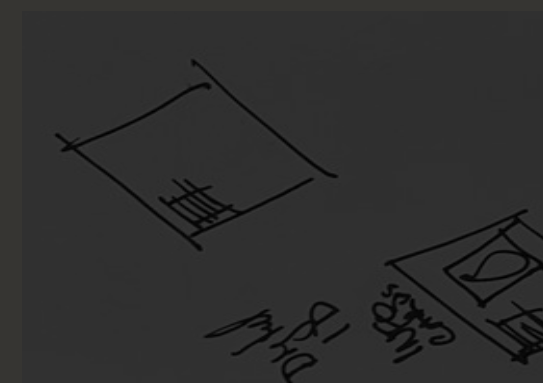
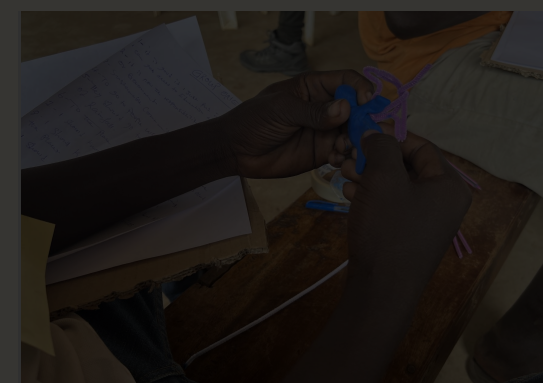
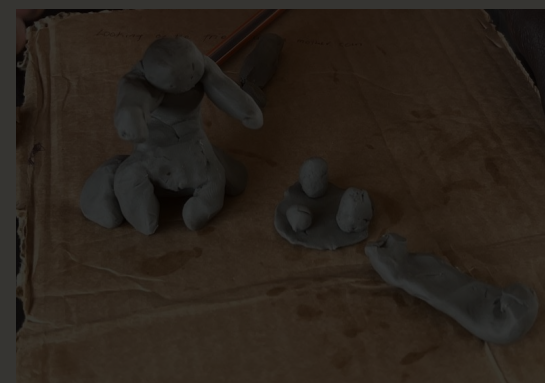
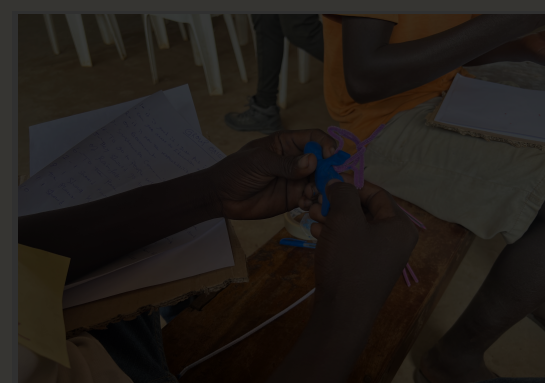
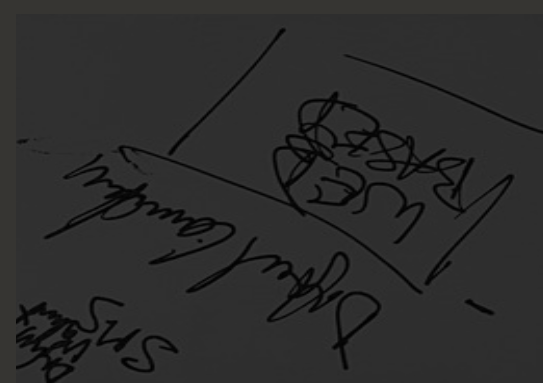
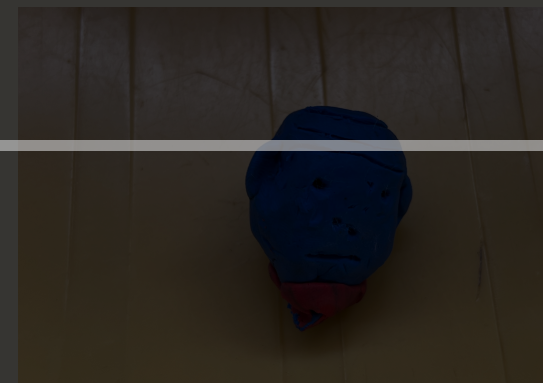
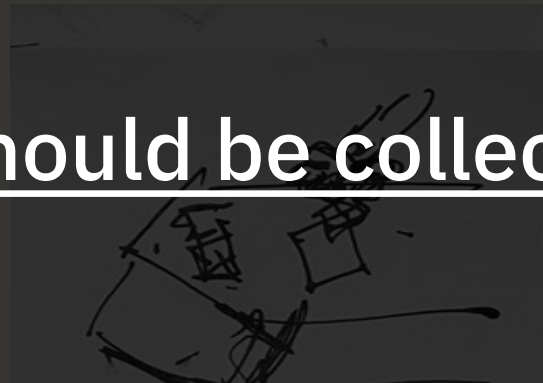




● WHAT should be collected?

○ HOW

○ WHO



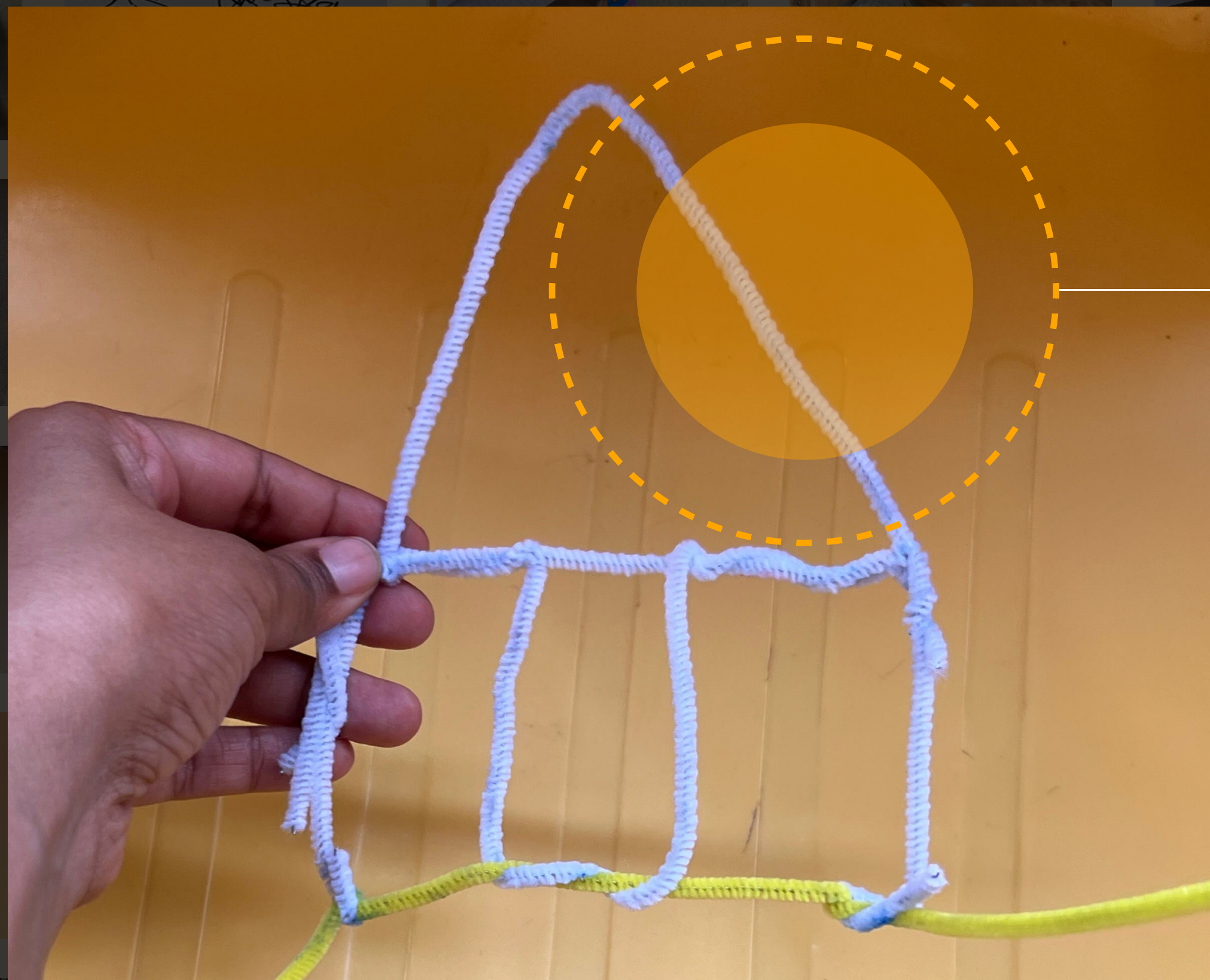
“My mother made me wear beads around my waist”



● WHAT should be collected?

○ HOW

○ WHO



“If you tell me the roof was circular and the lake next to the house had warm water, I’ll know you might be from my clan”



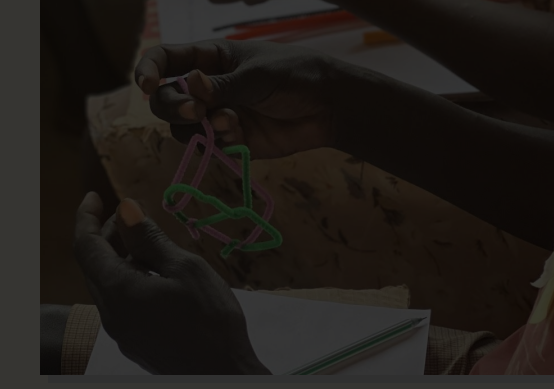
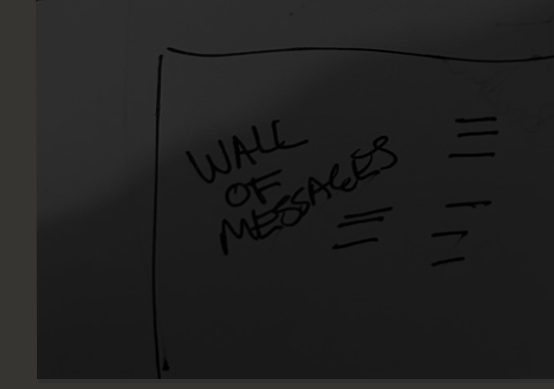
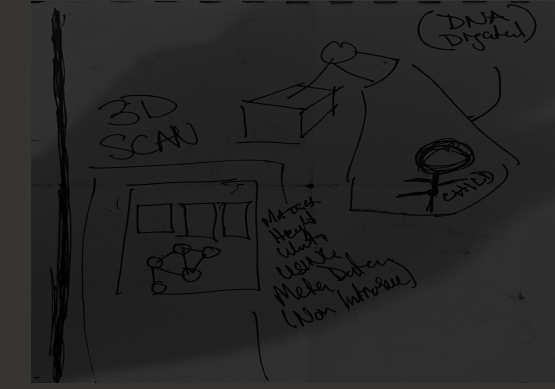
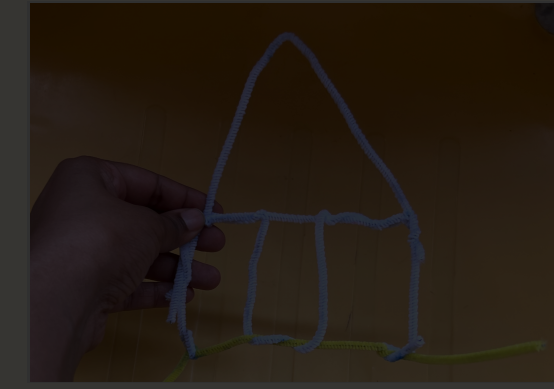
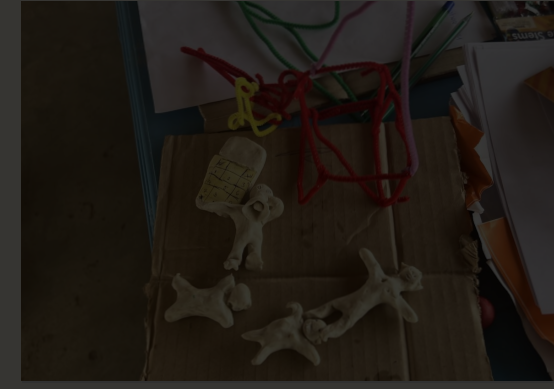
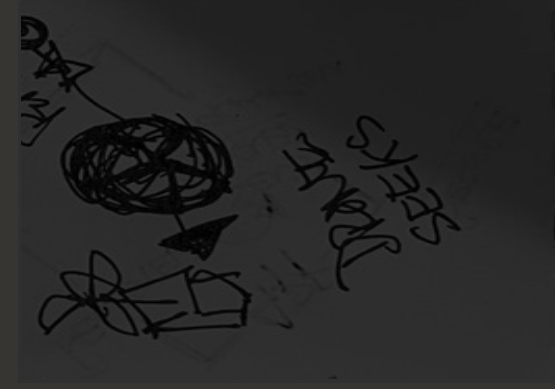
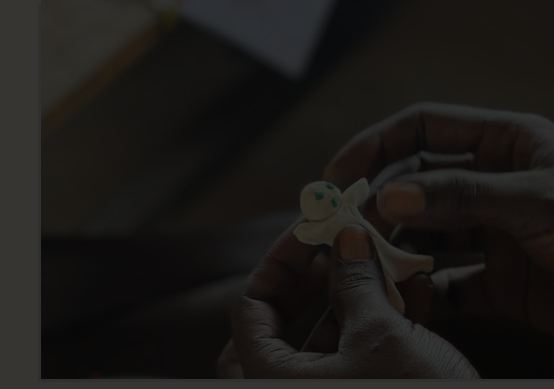
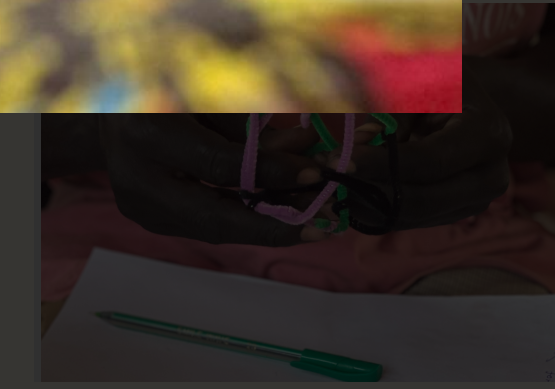
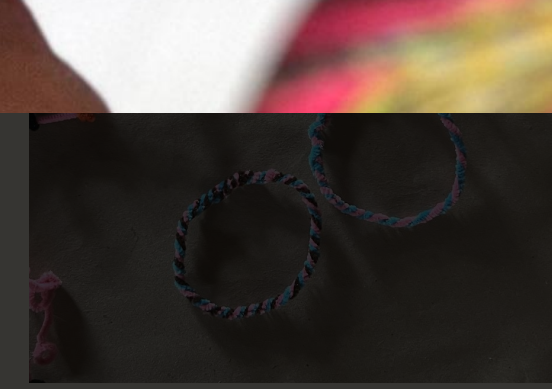
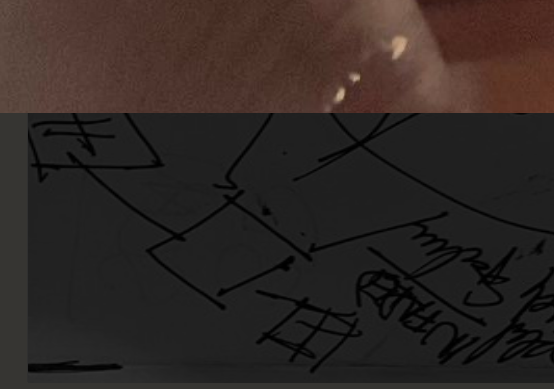
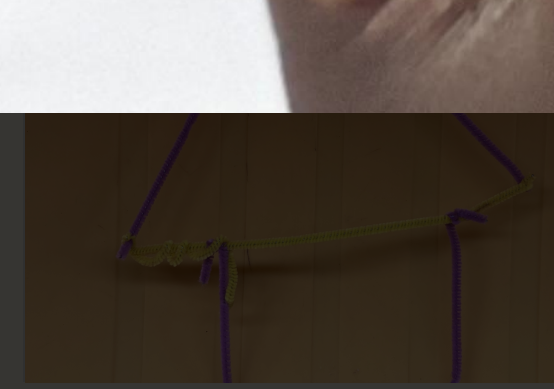
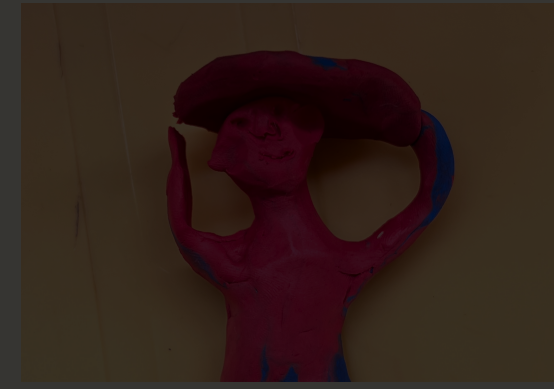
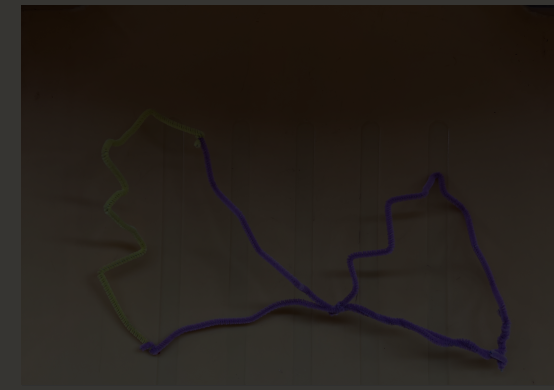
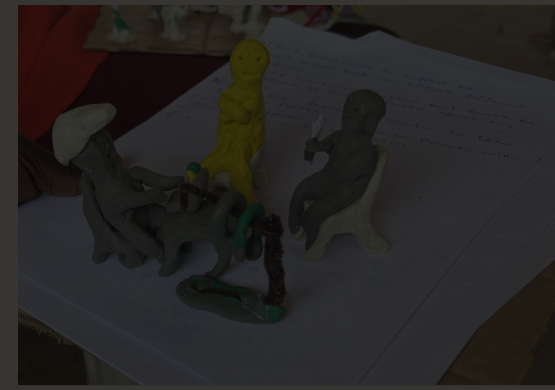
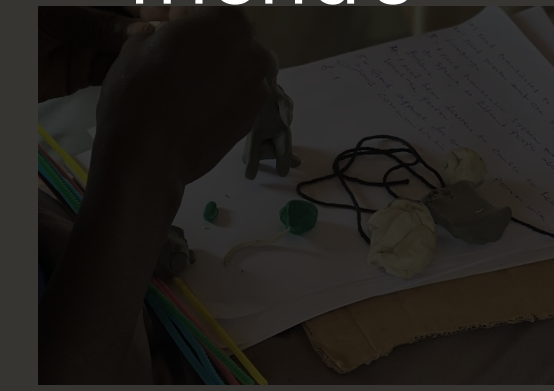
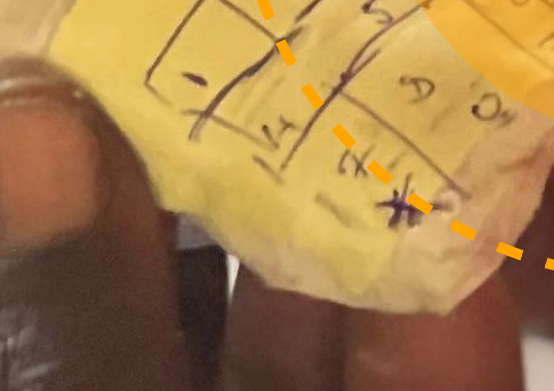
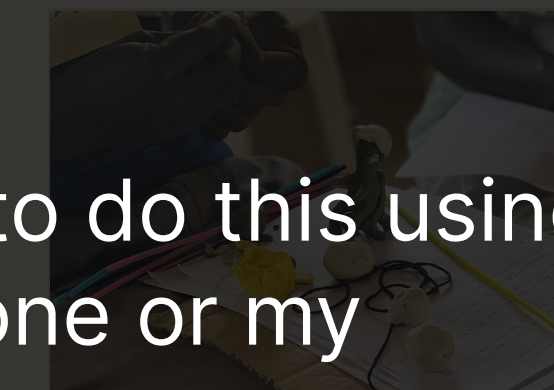
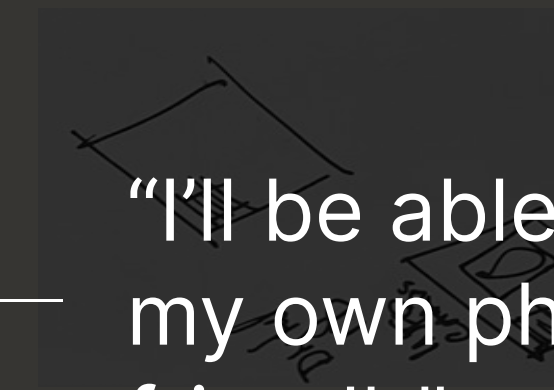
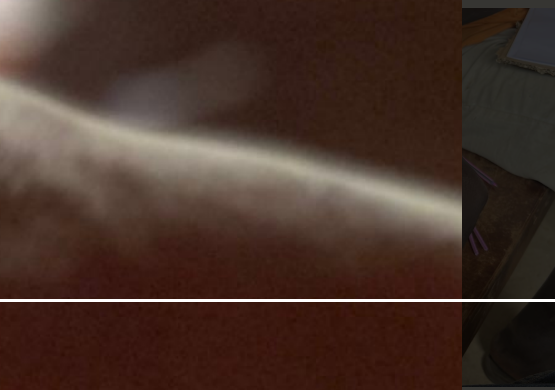
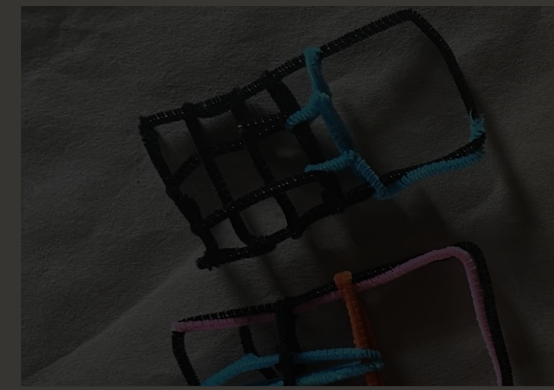
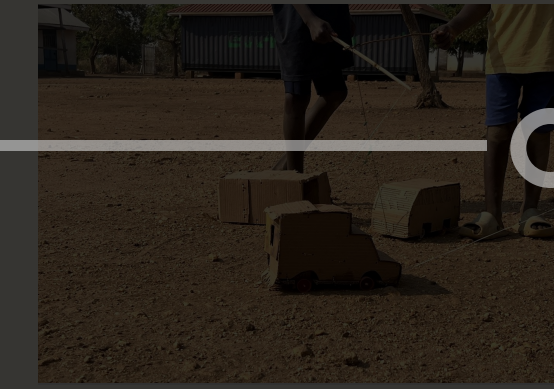
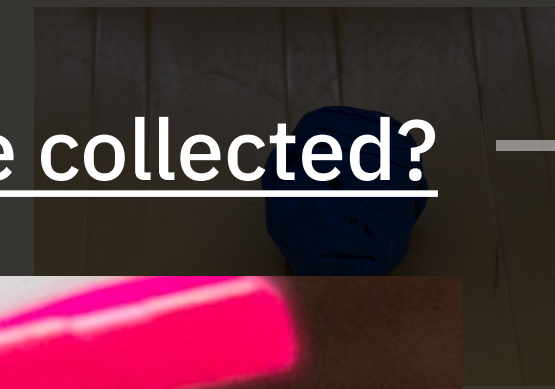
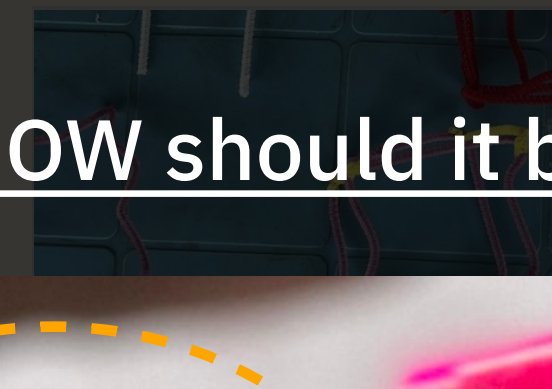
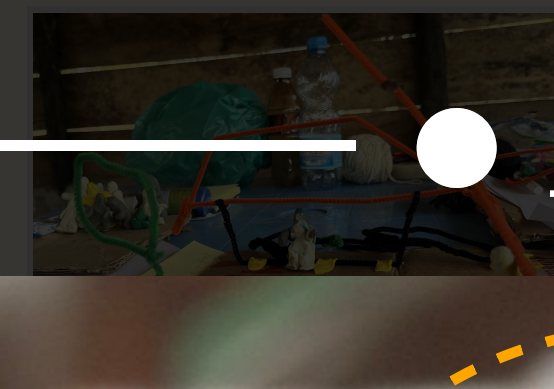
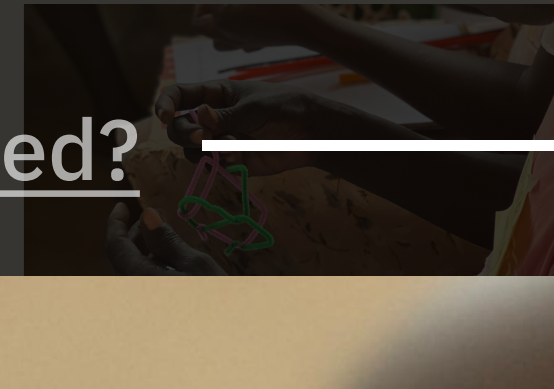
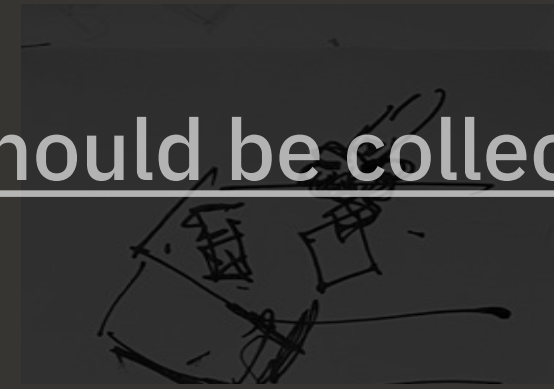
○ WHAT should be collected?

● HOW should it be collected?

○ WHO



"I'll be able to do this using my own phone or my friend's"





○ WHAT should be collected?

● HOW should it be collected?

○ WHO



“Community leaders, teachers, and religious leaders should be part of this”





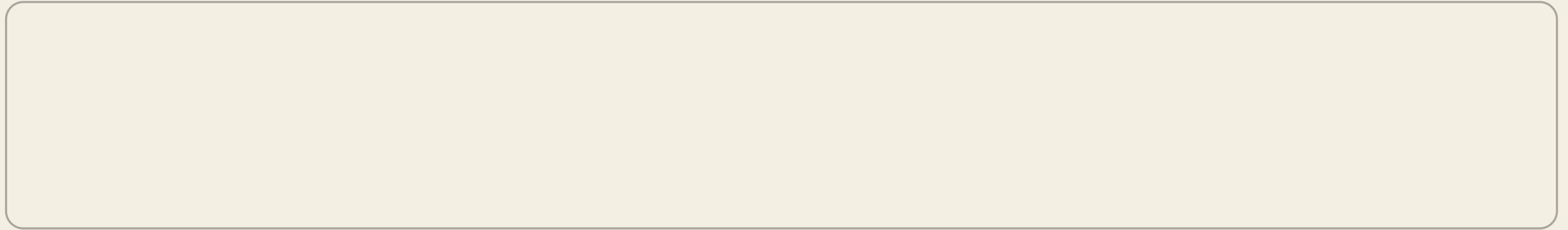
## AGENCY + CULTURAL NUANCE

The key challenge lies in moving from a Western-centric approach of identifying individuals by name, age, gender, and height alone, to incorporating vital cultural nuances and restoring agency to the refugees.

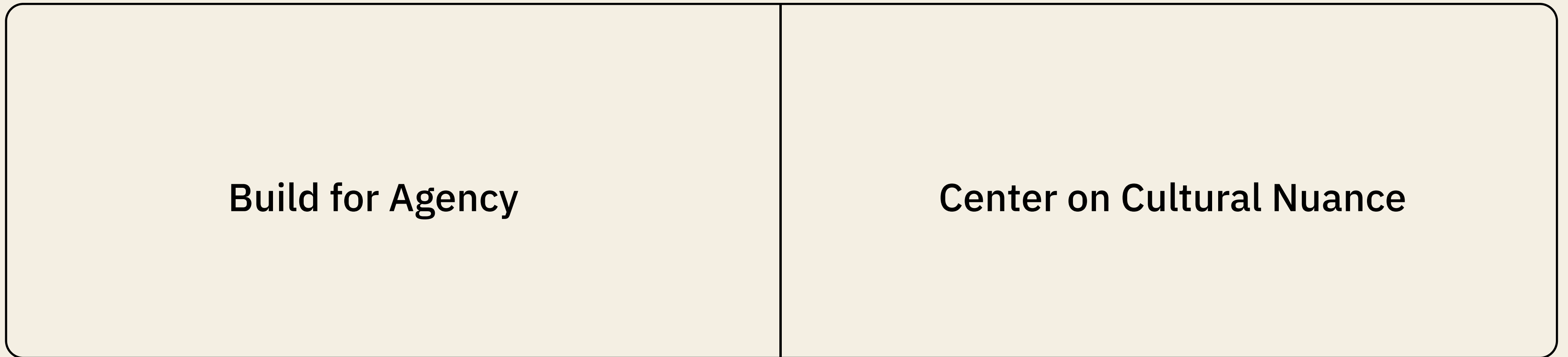


# Main Findings - Systems level

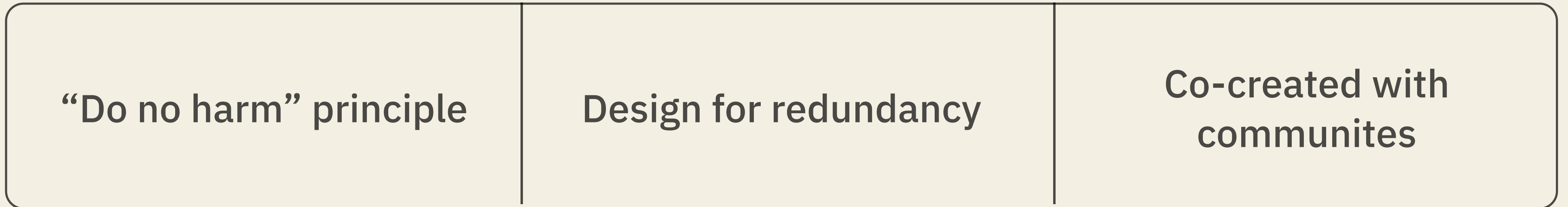
INTERVENTION



CONTEXTUAL

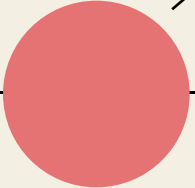
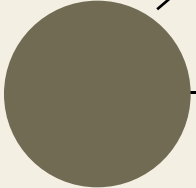
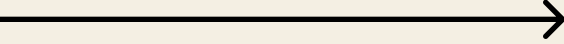


BASELINE





# Intervention Design Process (Post Uganda)



**Co-create**

**Design**

**Test**

4 product based touchpoint system

Web-based multitouchpoint + Foster Family Placement

Web-based multitouchpoint

Service deliverables set - worked more on the UI for accessibility

Was more accessible, still issues with touchpoints

Failed - not accessible UI

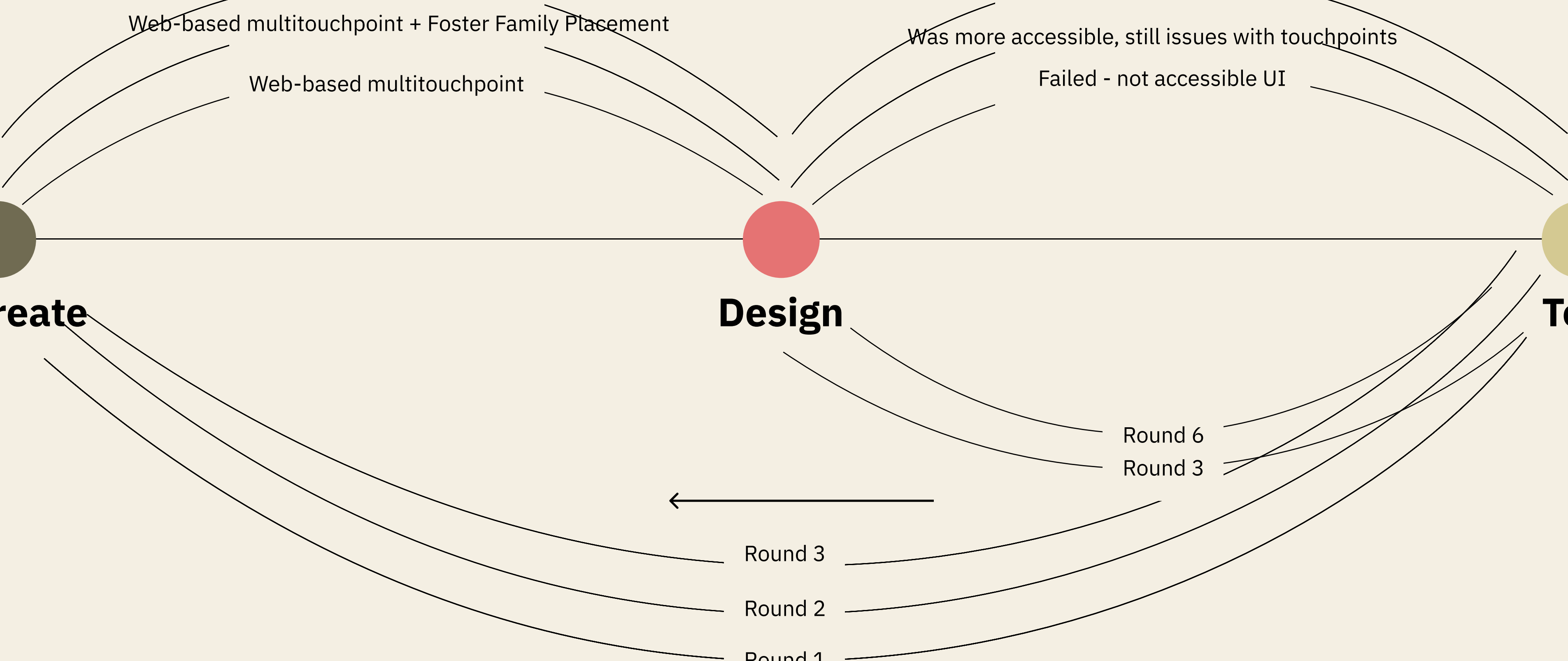
Round 6

Round 3

Round 3

Round 2

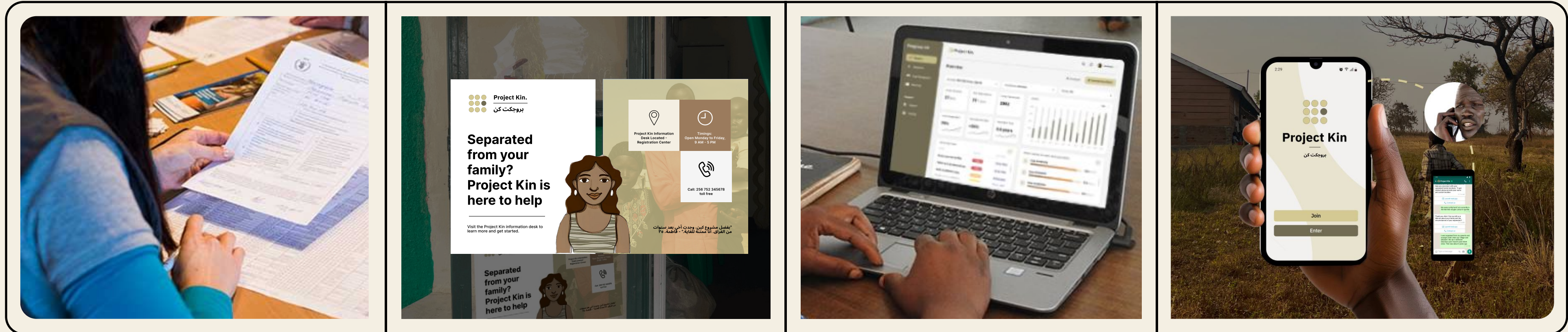
Round 1





# Main Findings - Systems level

## INTERVENTION



## CONTEXTUAL

Build for Agency

Center on Cultural Nuance

## BASELINE

“Do no harm” principle

Design for redundancy

Co-created with communities



# We generated Project Kin



Session Plan/Training Module  
CAPACITY BUILDING FOR  
STAKEHOLDERS

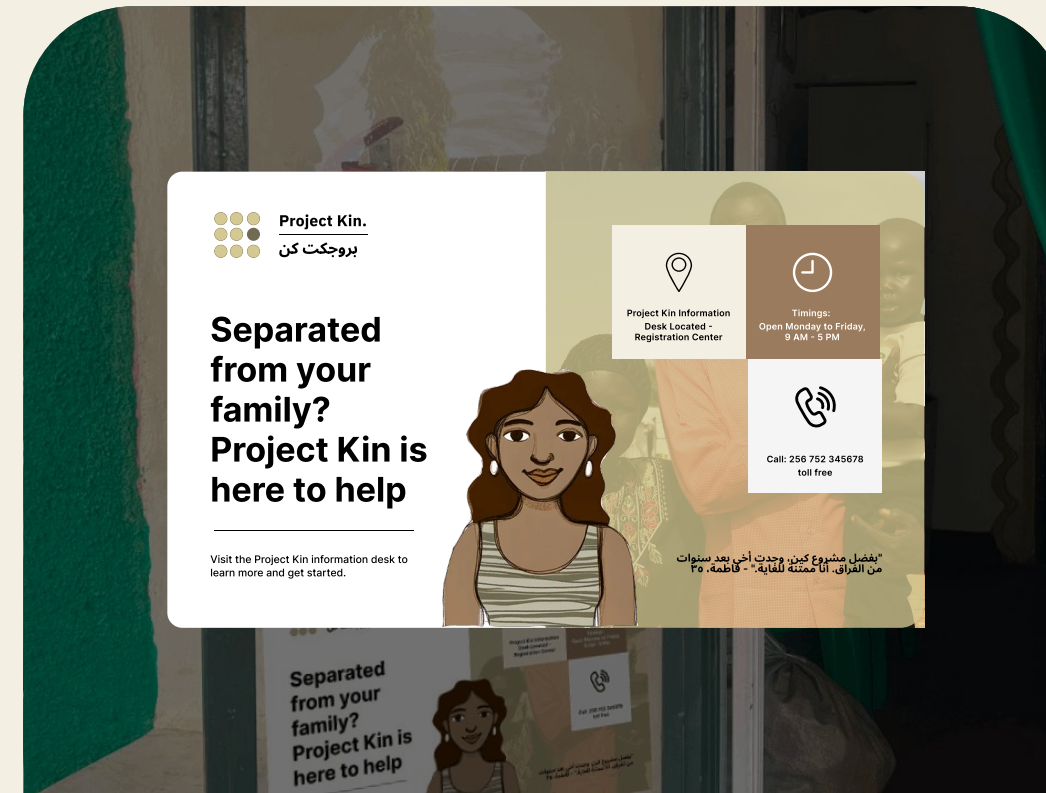




# We generated Project Kin



Session Plan/Training Module  
CAPACITY BUILDING FOR  
STAKEHOLDERS



Posters and Pamphlets  
OFFLINE AWARENESS BUILDING

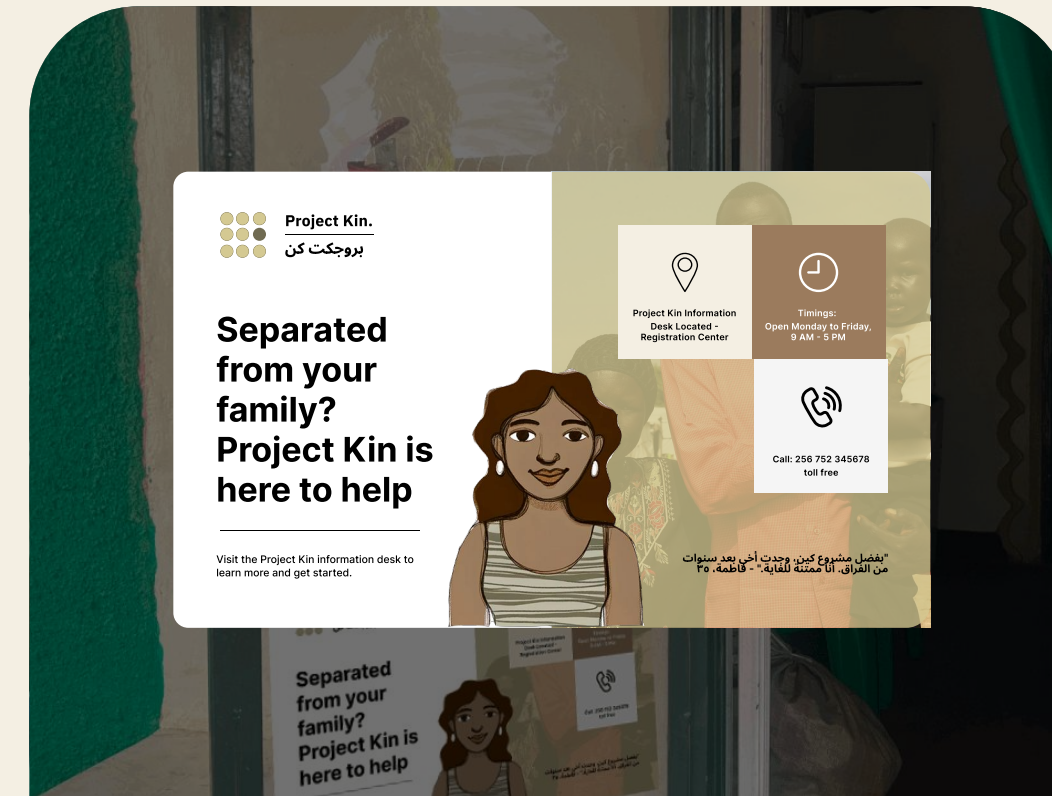




# We generated Project Kin



Session Plan/Training Module  
CAPACITY BUILDING FOR  
STAKEHOLDERS



Posters and Pamphlets  
OFFLINE AWARENESS BUILDING



Humanitarian Dashboard for  
Foster Family Placement  
TOOL FOR COORDINATION

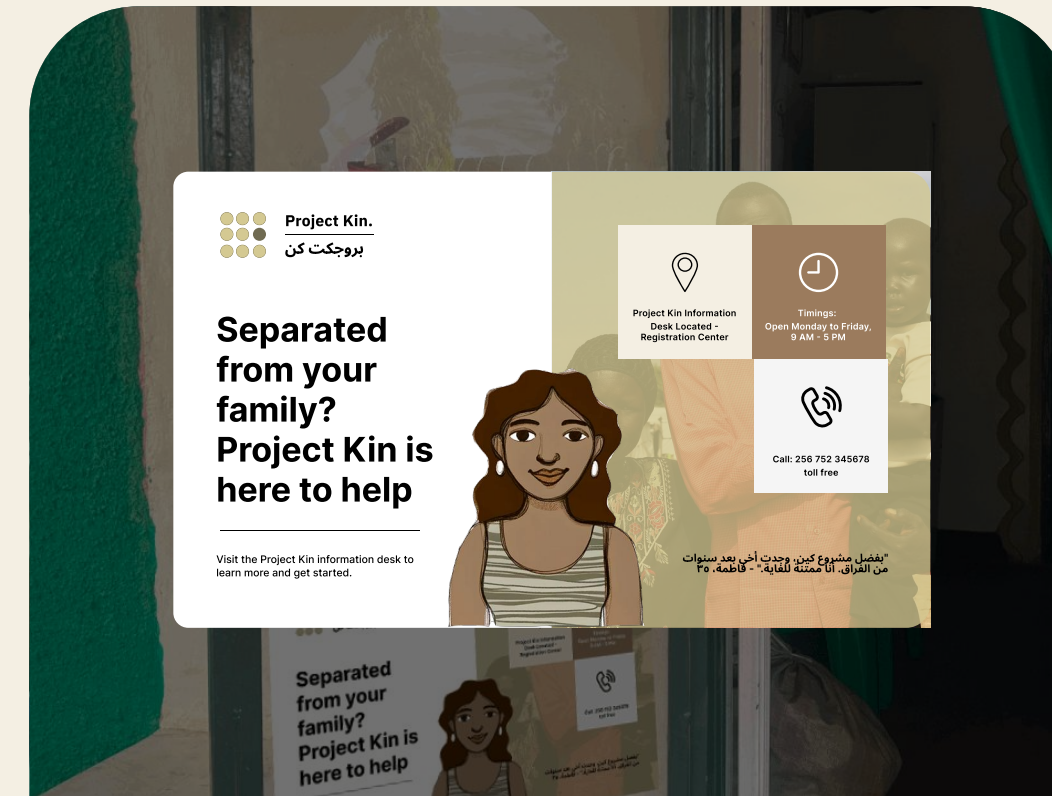




# We generated Project Kin



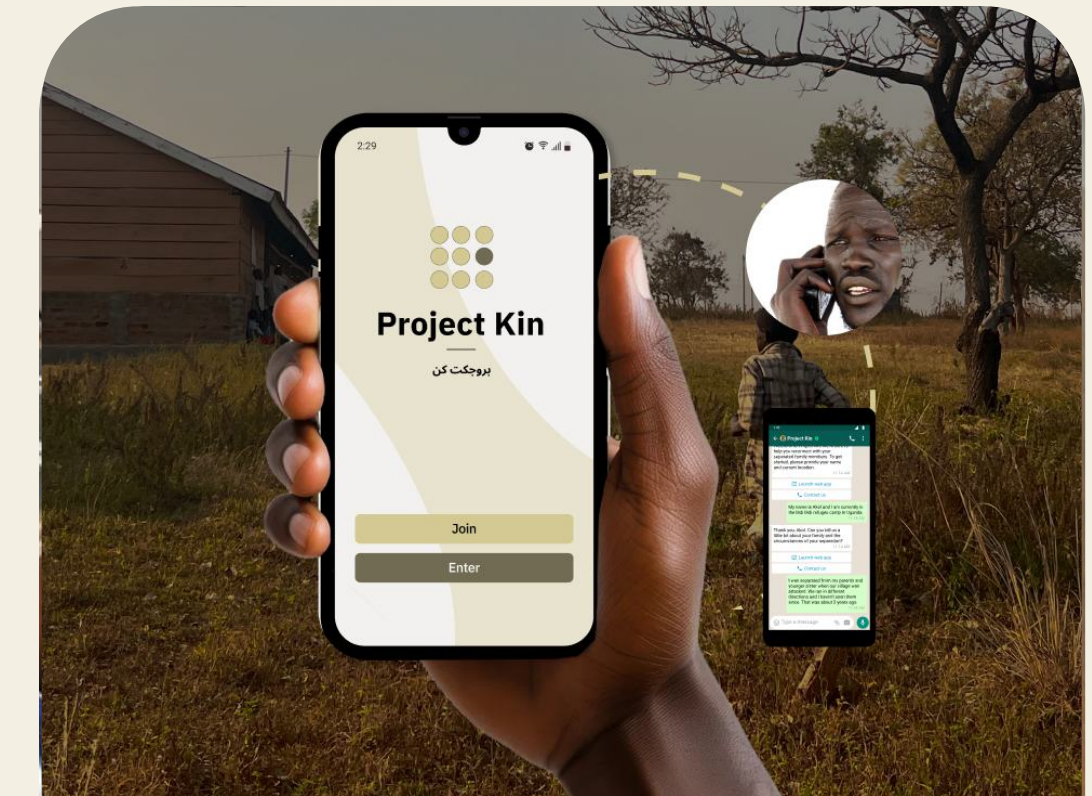
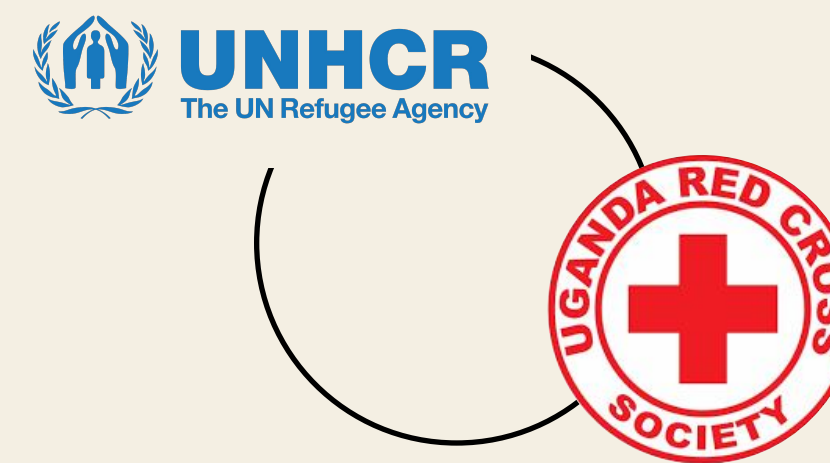
Session Plan/Training Module  
CAPACITY BUILDING FOR  
STAKEHOLDERS



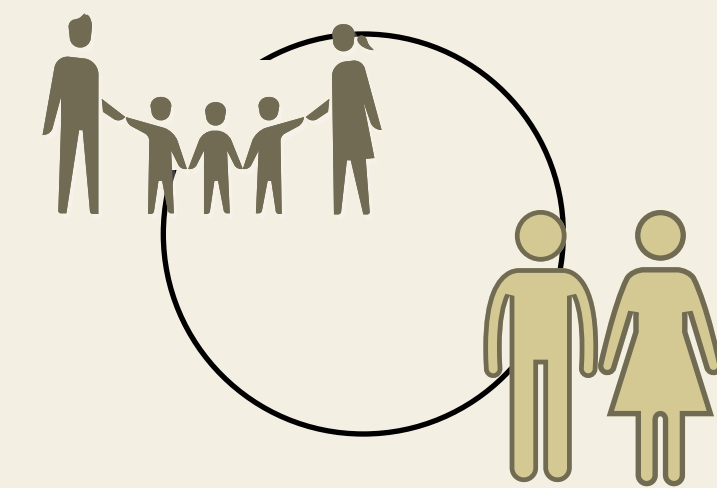
Posters and Pamphlets  
OFFLINE AWARENESS BUILDING



Humanitarian Dashboard for  
Foster Family Placement  
TOOL FOR COORDINATION



Project Kin Software for  
Refugee Driven-tracing  
PRIMARY INTERFACE FOR  
RECONNECTION





# Feasibility Study

## Participants

**20 (18-35; 8M 12F)**

## Breakdown

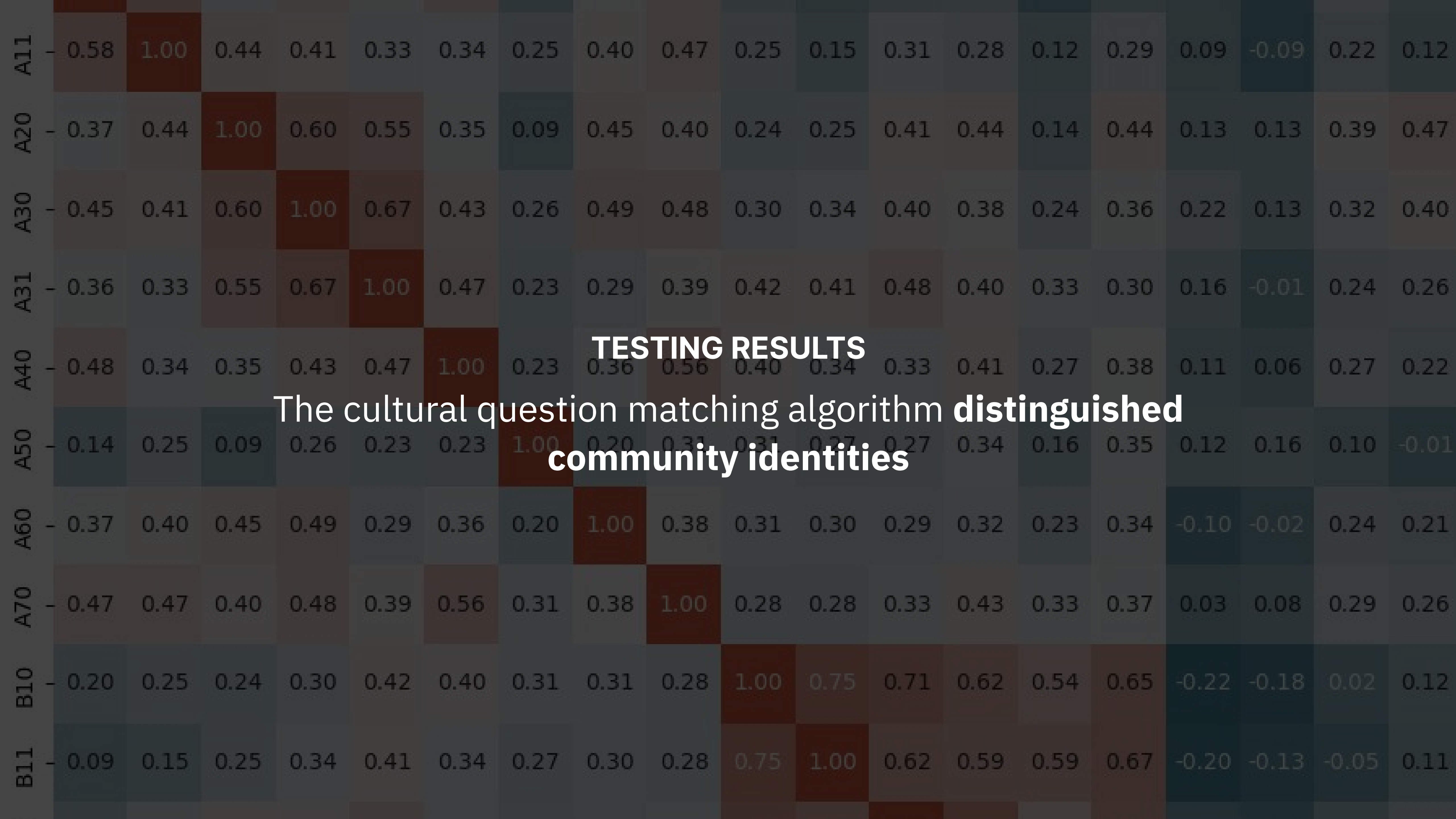
- **6 pairs of family members, 8 independents**
- **3 location groups (India, Northeast US, Uganda)**

## Test

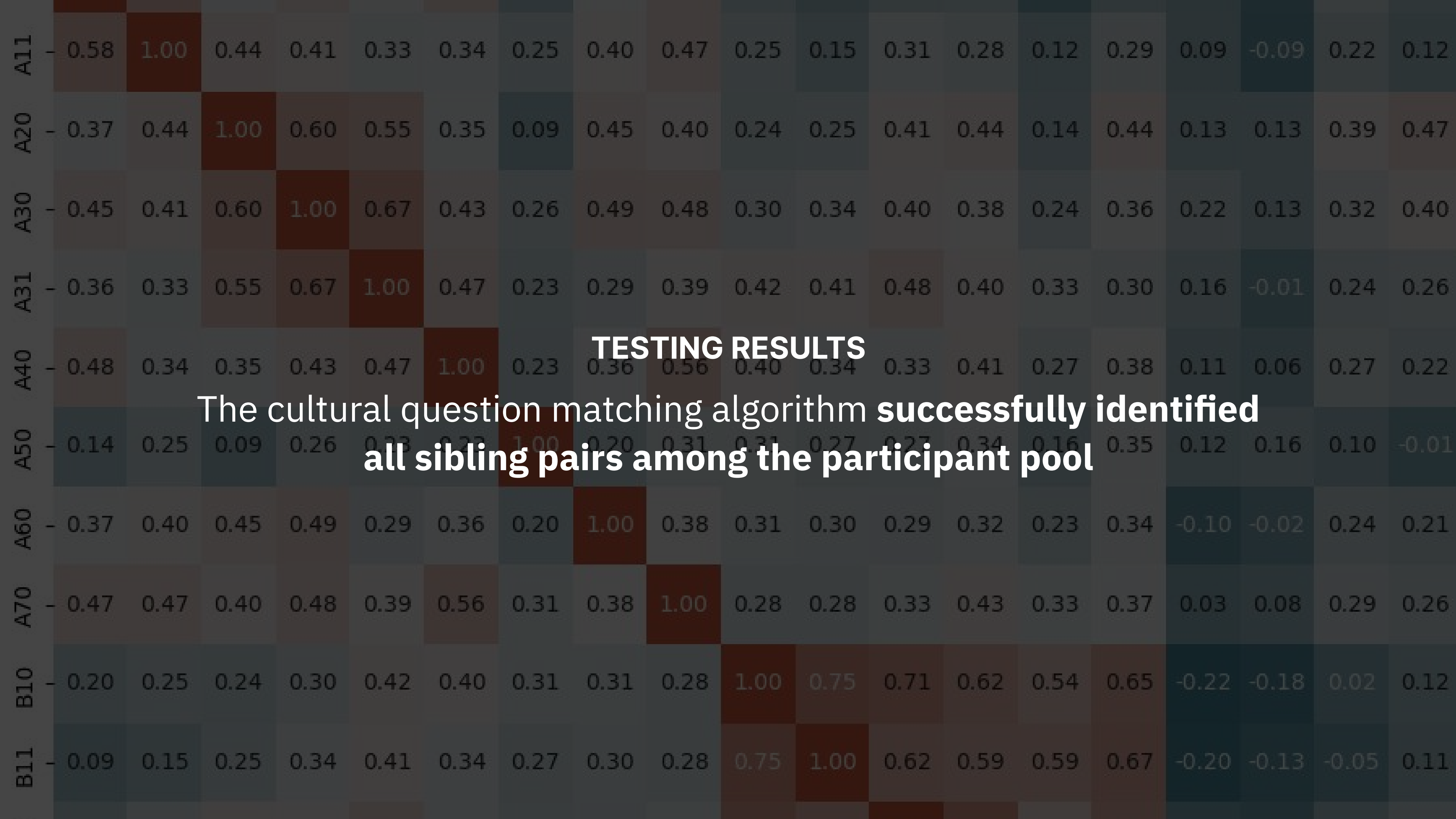
**75 randomly selected questions (from set of 500)**

Question	Response
2 Do you have any siblings?	Yes
3 Do you know your home address?	Yes
5 Was there a school near your home?	Yes
6 Were there any stores or restaurants close to your home?	Yes
8 Do you have relatives living in the same city?	Yes
9 Did your family have any pets?	Yes
0 Does any of your family member have a distinct mark or tattoo?	Don't know
3 Is your family religious?	Yes
4 Did family used to sing songs together?	Yes
9 Did your family own a vehicle?	Yes
1 Was your house made of bricks?	Probably
2 Was your house black or white (not colorful)?	No
6 Was your house made of wood?	No
7 Did your family own a business?	No
2 Did your parents ever take you to their workplace?	Yes
5 Have you been photographed with your family?	Yes
6 Was there a lake or river nearby your home?	Yes
9 Did any of your siblings or parents wear glasses?	Yes
0 Was there a favorite pet in your family?	Yes
4 Did your family own any livestock or farm animals?	No
5 Did your family use to pray together?	Yes
6 Did anyone in your family have a medical condition?	Yes
0 Did you live in a city?	Yes
1 Did you live in a village?	No
3 Was your home near to a mosque or church or other religious building?	Yes
8 Did you live near a border of your country?	No
0 Did your family farm for your food?	No
1 Was a train station or bus stop located near your home?	Probably
9 Did your family celebrate religious festivals together?	Yes
0 Was your house painted a particular color?	Yes
1 Did your family own a car or a bicycle?	Yes
2 Was there a school within walking distance from your home?	Probably
7 Did you play games in your front yard as a child?	Yes
8 Did your home have a vegetable garden?	Yes







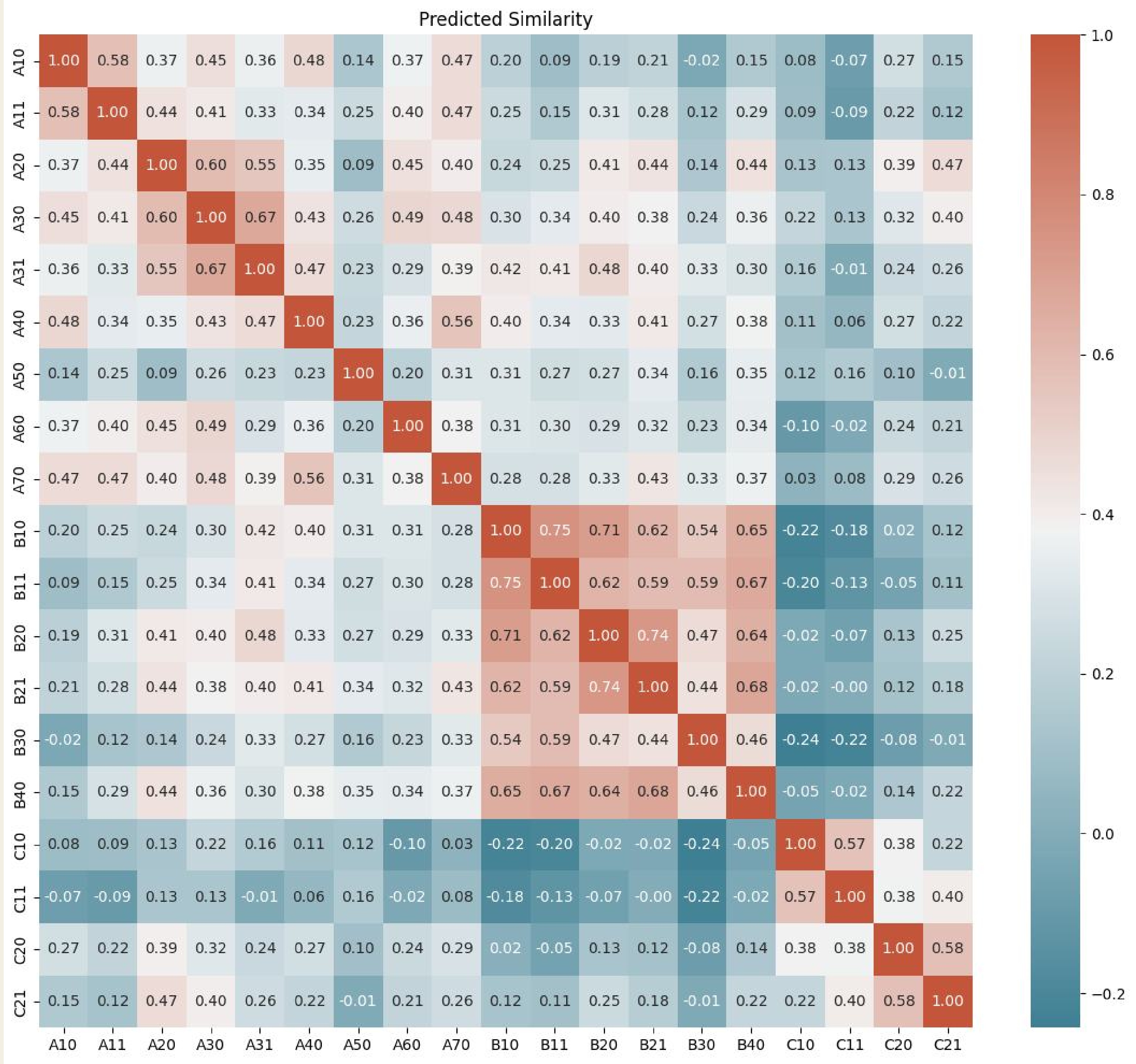


## TESTING RESULTS

The cultural question matching algorithm **successfully identified all sibling pairs among the participant pool**

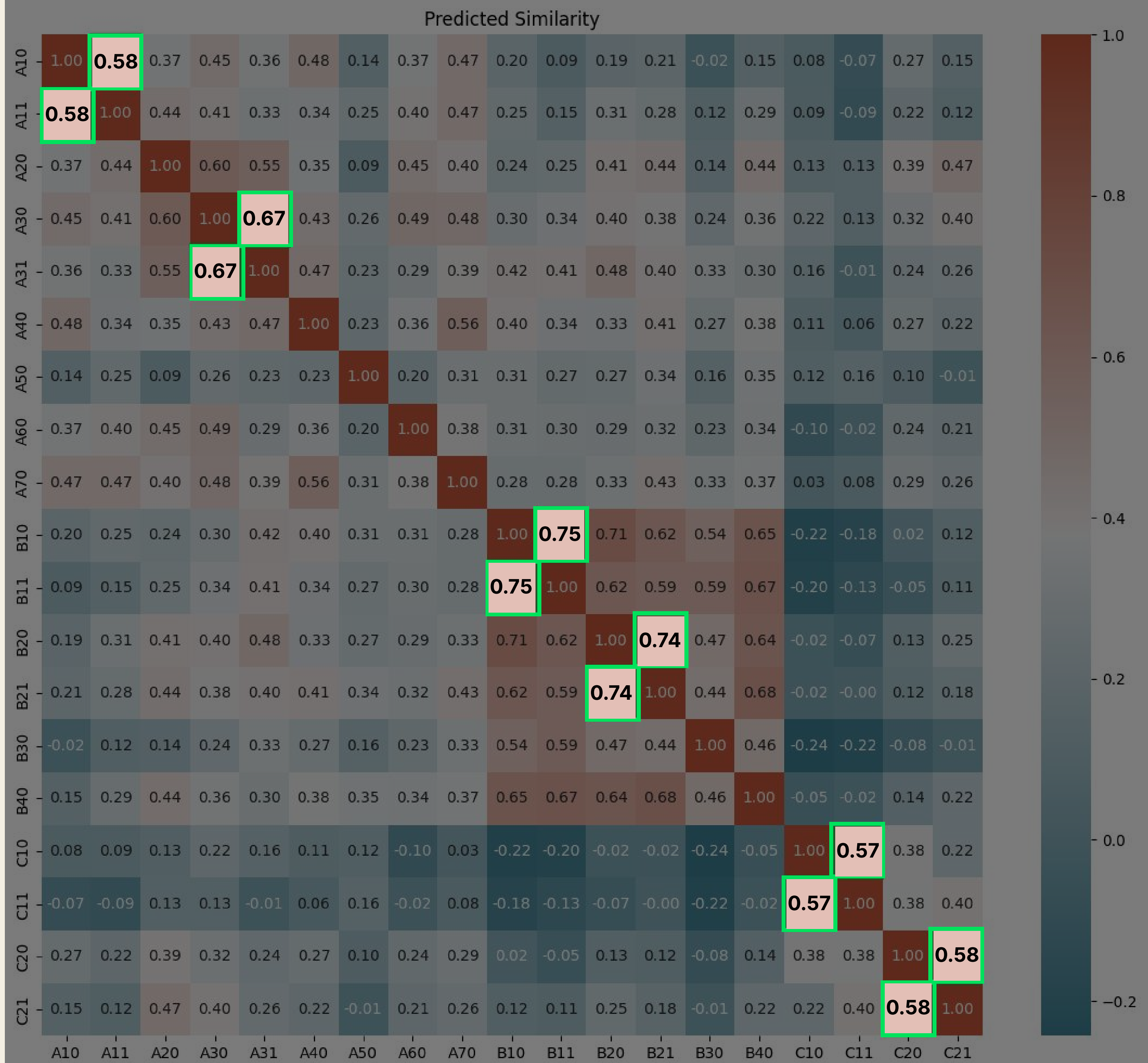


# Results Heatmap



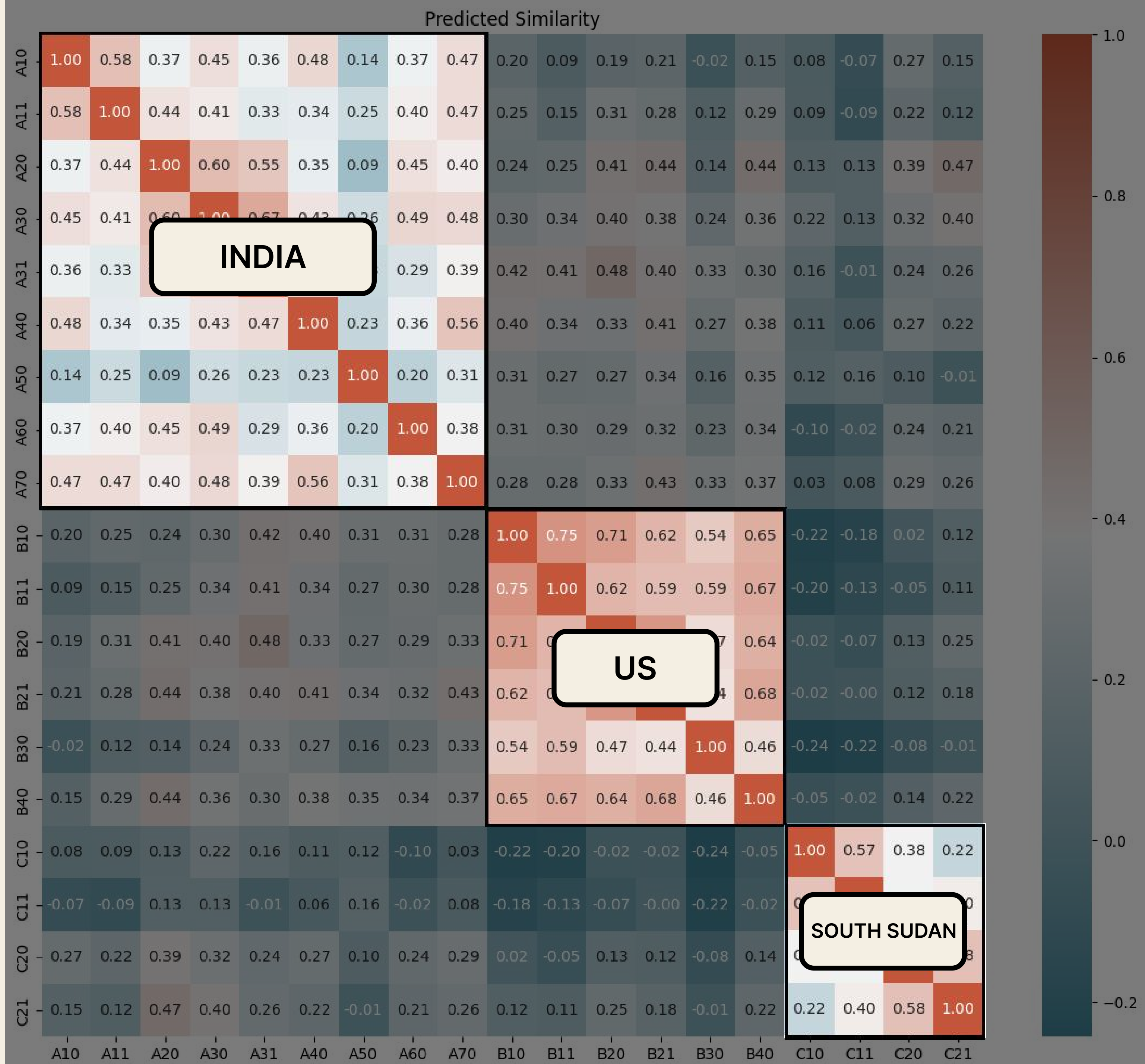


**Sibling identified**



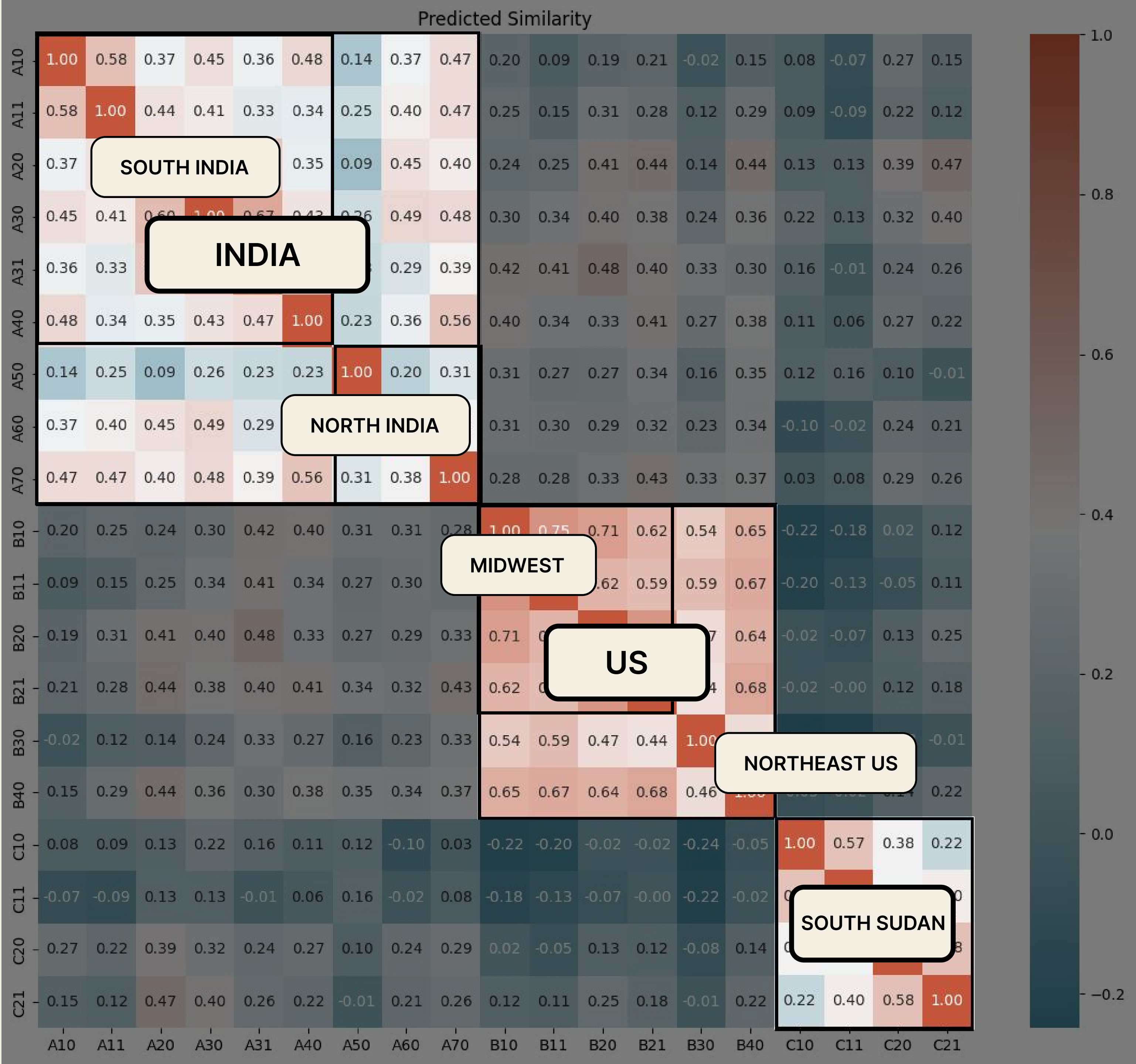


# Communities identified





# Communities identified







## Aya

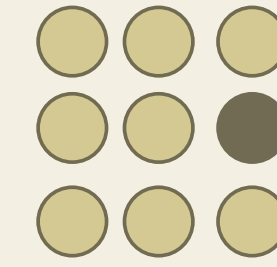
### Our Mascot

Provides guidance and support throughout the product journey

Understanding the service journey

### Project Kin:

Reuniting displaced families through a secure, user-friendly platform.



Distributes the reunification process among individuals, community members, and humanitarian workers, **sharing the responsibility**







Project Kin.

بروجکت کن

Bridging distances to reunite families and restore connections disrupted by adversity.

## SESSION PLAN AND TRAINING MODULE



projectkin.com

### Table of Contents

- Introduction, Welcome and Introduction to Project Kin
- 1. **Understanding the Problem and Solution**
  - 1.1. Understanding the problem and solution
  - 1.2. Review of the design research and finding validation process
- 2. **Using the Progress Platform**
  - 2.1. Identifying the problem and solution
  - 2.2. Review of the progress platform and its features
  - 2.3. Review of the progress platform and its features
- 3. **Office Assessment Building and Capacity Building for Stakeholders**
  - 3.1. Identifying the problem and solution
  - 3.2. Review of the progress platform and its features
  - 3.3. Review of the progress platform and its features
- 4. **Implementation and Evaluation**
  - 4.1. Identifying the problem and solution
  - 4.2. Review of the progress platform and its features
  - 4.3. Review of the progress platform and its features
- 5. **Supporting Refugees and Ensuring Accessibility**
  - 5.1. Identifying the problem and solution
  - 5.2. Review of the progress platform and its features
  - 5.3. Review of the progress platform and its features
- 6. **AI-Driven Matching Algorithms and Data Security**
  - 6.1. Identifying the problem and solution
  - 6.2. Review of the progress platform and its features
  - 6.3. Review of the progress platform and its features
- 7. **Conclusion**
  - 7.1. Identifying the problem and solution
  - 7.2. Review of the progress platform and its features
  - 7.3. Review of the progress platform and its features

Project Kin

### Introduction to Project Kin

Introduction to Project Kin

Program Goal and Objectives

Program Goal: The ultimate goal of Project Kin is to reunite families separated during displacement.

Objectives:

- 1. Identify key stakeholders and partners for refugees to take ownership of the reconstruction process.
- 2. Assess the current situation and identify the challenges of the reconstruction process.
- 3. Develop a clear and concise plan for the reconstruction process.
- 4. Identify key stakeholders and partners for refugees to take ownership of the reconstruction process.
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- 7. Identify key stakeholders and partners for refugees to take ownership of the reconstruction process.
- 8. Assess the current situation and identify the challenges of the reconstruction process.
- 9. Develop a clear and concise plan for the reconstruction process.

Program Goal and Objectives

- Lesson 1: Understanding the Problem and Solution
- Lesson 2: Using the Progress Platform
- Lesson 3: Office Assessment Building and Capacity Building for Stakeholders
- Lesson 4: Implementation and Evaluation
- Lesson 5: Supporting Refugees and Ensuring Accessibility
- Lesson 6: AI-Driven Matching Algorithms and Data Security

### LESSON 1

#### Understanding the Problem and Solution

NOTE TO FACILITATORS

Lesson 1: Understanding the Problem and Solution

Facilitator's Role: The facilitator's role is to guide the participants through the lesson, ensuring they understand the problem and solution, and to facilitate the discussion and activities.

- **Creating a Safe Space:** Establish a safe and respectful environment for the participants to share their experiences and opinions. Encourage active listening and mutual respect.
- **Setting the Context:** Provide a clear overview of the lesson objectives and the importance of understanding the problem and solution.
- **Facilitating Active Learning:** Encourage participants to engage in group discussions, role-playing, and other activities that promote learning and understanding.
- **Using Visual Aids:** Utilize visual aids, such as slides, handouts, and videos, to support the presentation and facilitate the discussion.
- **Monitoring and Evaluating:** Monitor the participants' understanding and engagement throughout the lesson, and provide feedback and support as needed.
- **Wrap-up and Reflection:** Encourage participants to reflect on their learning and to discuss any questions or concerns they may have.

**Time:** Before launch and ongoing

**People:** Community leaders, humanitarian workers preparing to facilitate reunification



# Capacity Building through Training Module

## Equipping Stakeholders for Effective Implementation






 **Project Kin.**  
بروجكت كن

## Separated from your family? Project Kin is here to help

Visit the Project Kin information desk to learn more and get started.



  
Project Kin Information  
Desk Located -  
Registration Center

  
Timings:  
Open Monday to Friday,  
9 AM - 5 PM



Call: 256 752 345678  
toll free

"بفضل مشروع كين، وجدت أخي بعد سنوات  
من الفراق. أنا ممتنة للغاية." - فاطمة، ٣٥

## Awareness through Posters and Pamphlets

### Offline Awareness Building

**Time:** Days after arrival

**Place:** Prominently displayed in  
registration center

**People:** Displaced individuals, tired  
and anxious, seeking lost loved ones





## Awareness through Posters and Pamphlets

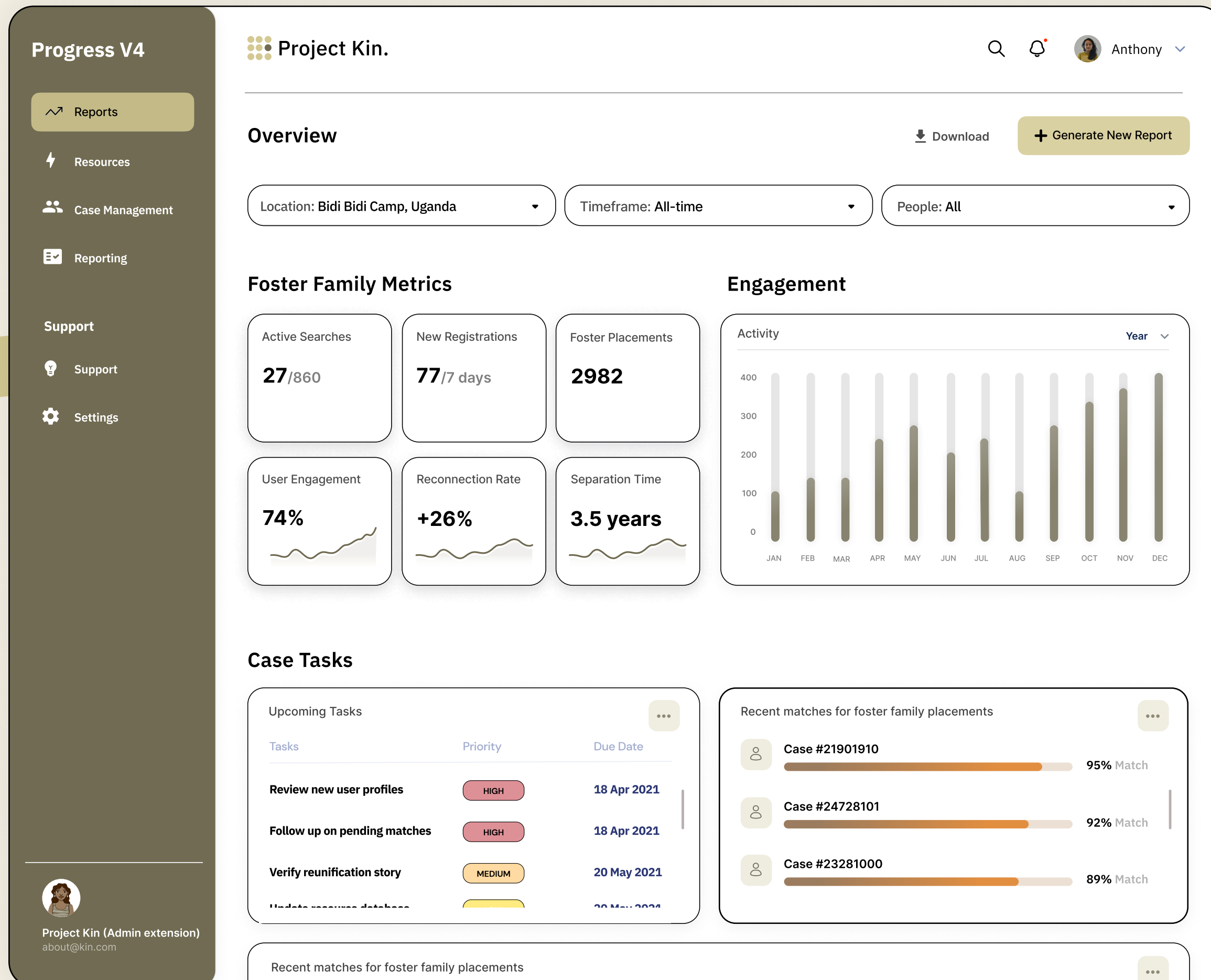
### Offline Awareness Building

**Time:** Days after arrival

**Place:** Prominently displayed in registration center

**People:** Displaced individuals, tired and anxious, seeking lost loved ones





# Coordination through Humanitarian Dashboard

## Foster Family Placements

**Time:** Upon identification of unaccompanied minors

**Place:** Humanitarian organization offices, field sites

**People:** Humanitarian workers, case managers working to place unaccompanied minors in foster care



TRIBE, CLAN,  
CULTURE



Progress V4

Project Kin.

Anthony

Reports

Resources

Case Management

Reporting

Support

Support

Settings

Unaccompanied Minor

See potential matches

Save case details

ID Number	Name	Nicknames
91290318813	Akok Deng	Akok Deng

Personal Details:  
Physical Attributes and Characteristics

Akok has a tall, slender build with long limbs. His skin is a rich, dark brown, and he has a distinctive scar on his left cheek from a childhood accident. He has warm, expressive eyes and a bright, infectious smile. Akok is known for his quick wit and storytelling abilities. He has a deep love for his family and community, and he often takes on the role of a peacemaker among his peers. Despite the hardships he has faced, Akok remains optimistic and resilient.

Tribe Details  
Clean, name, community details

Dinka Bor

Traditions

Akok belongs to a close-knit Dinka Bor community known for their strong ties to cattle herding. The community places great value on family, tradition, and maintaining a connection to their ancestral lands.

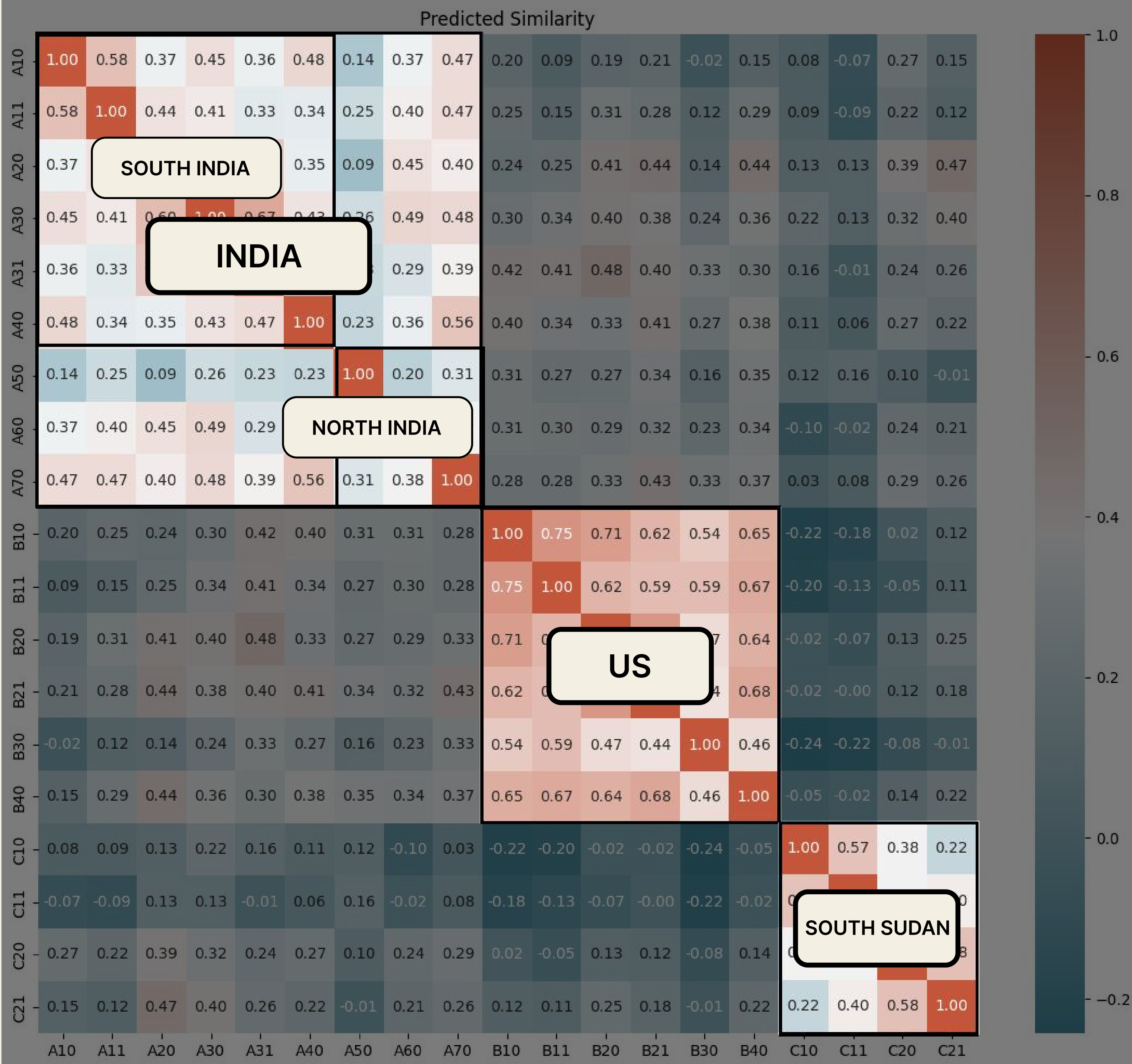
Case #21901910	13	Central Equatoria	Kakwa	9 Apr 2021	Assign case worker
Case #24728101	8	Jonglei	Nuer	6 Apr 2021	Schedule assessment
Case #23281000	15	Unity	Dinka	6 Apr 2021	Review foster family



CLOSEST FOSTER  
FAMILY MATCH



# Communities identified





# Project Kin Software - Empowering Refugees to Reconnect

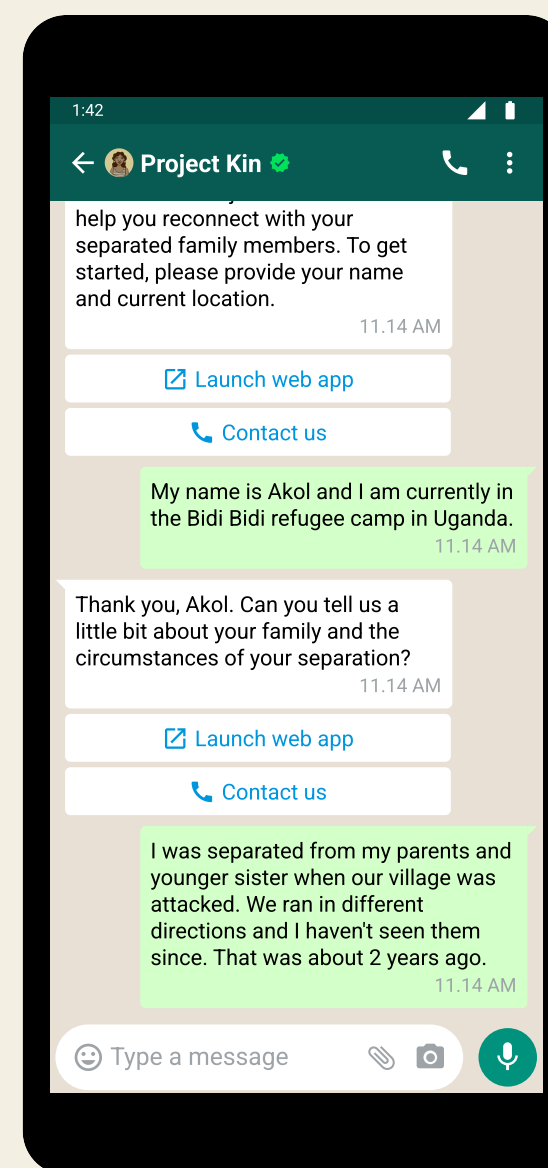
**Multi-Channel Platform for Accessibility**

**Time:** Post registration

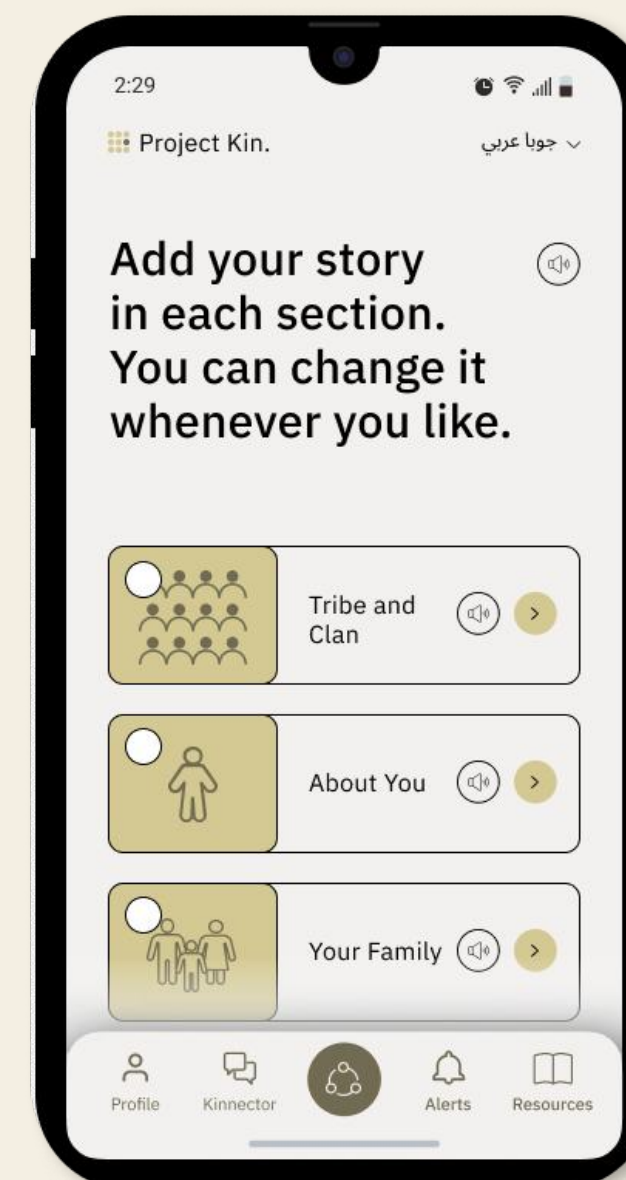
**Place:** Community centers, mobile devices for elders, schools, religious spaces

**Context:** Displaced individuals with separated family members through various accessible channels

## PHONE/IVR SYSTEM



**WHATSAPP**



**WEB**

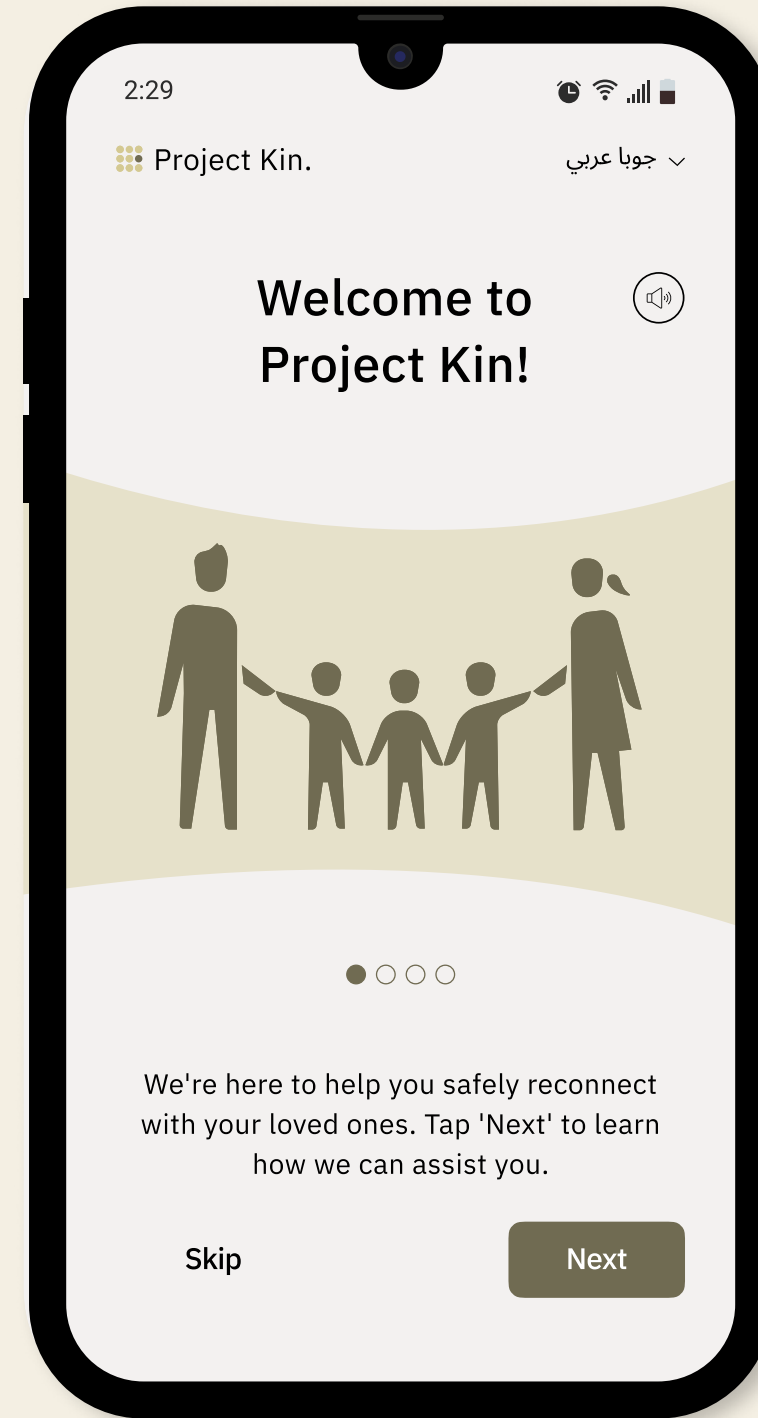




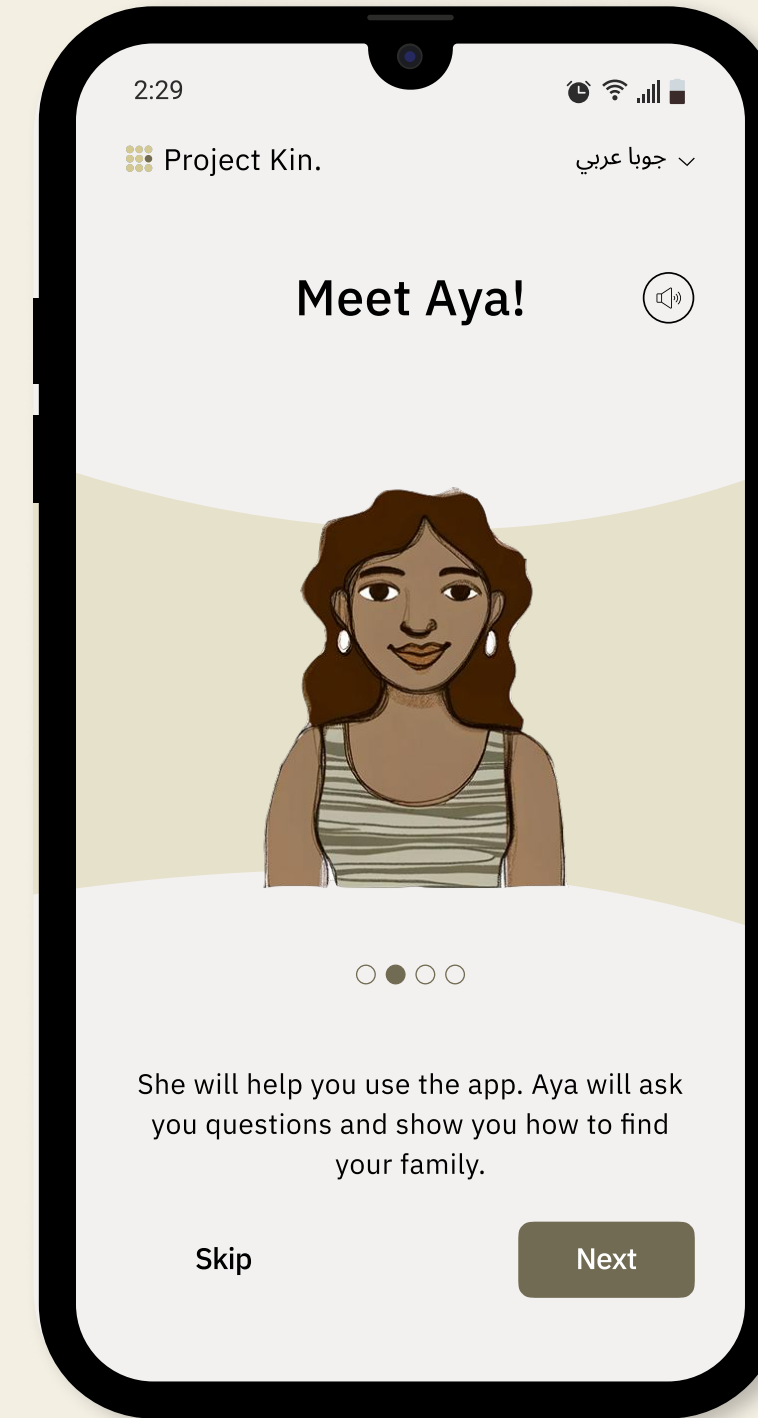
# Onboarding



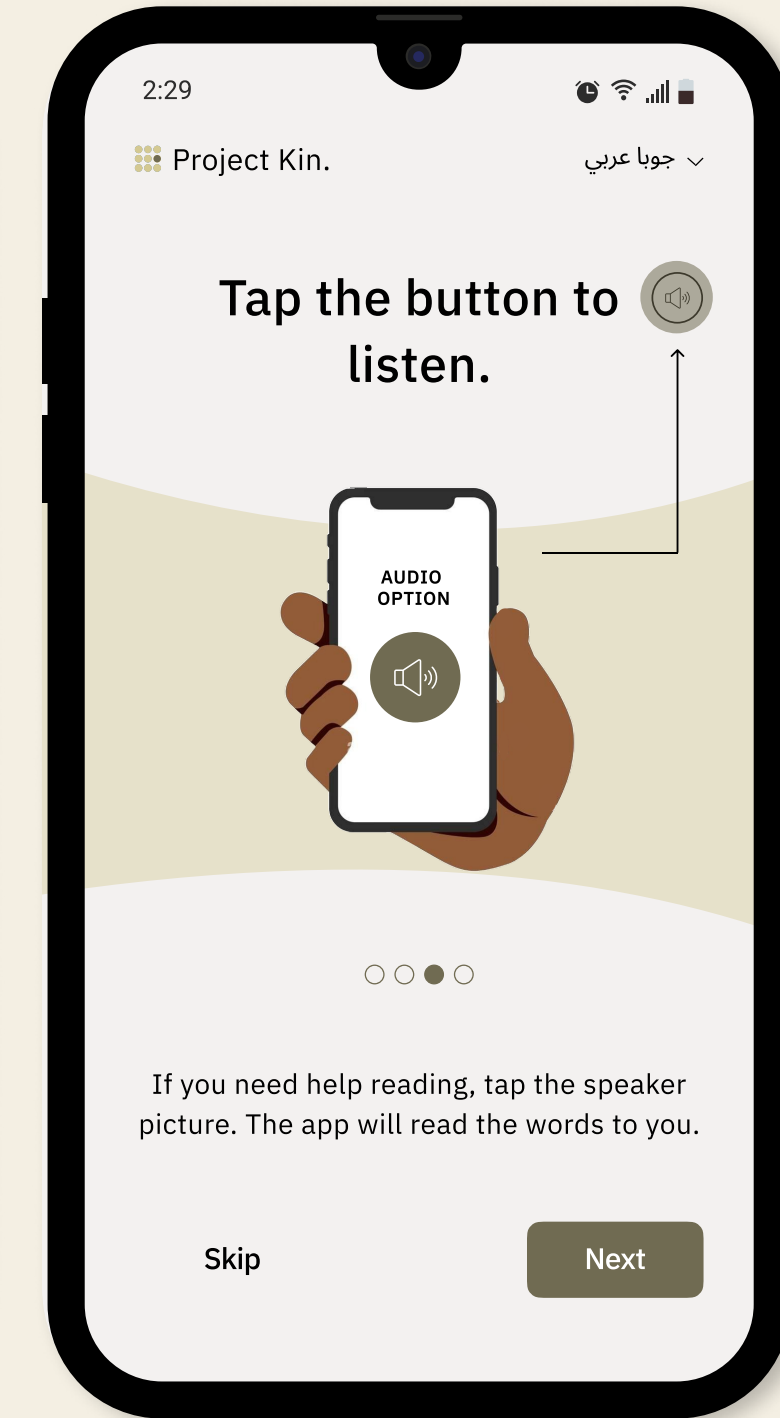
JOINING



WELCOME



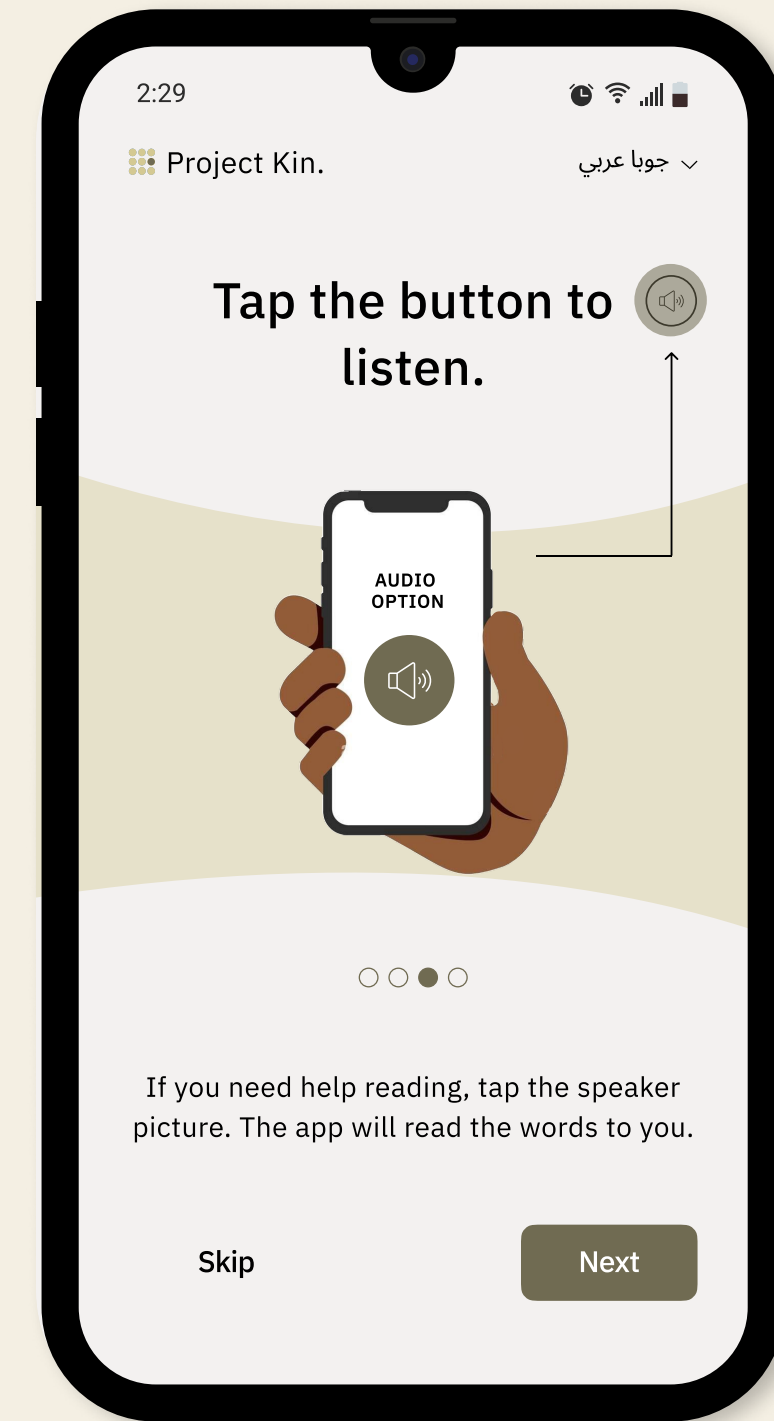
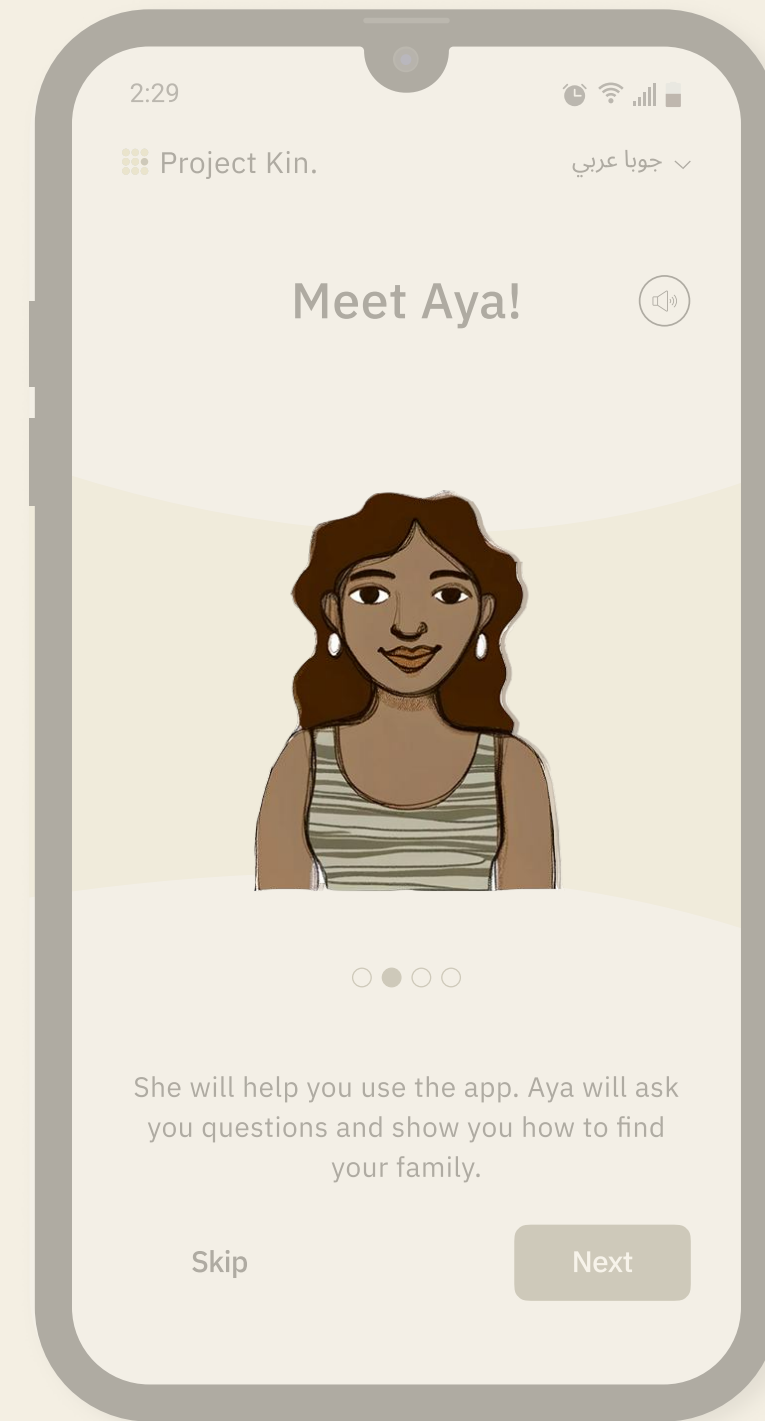
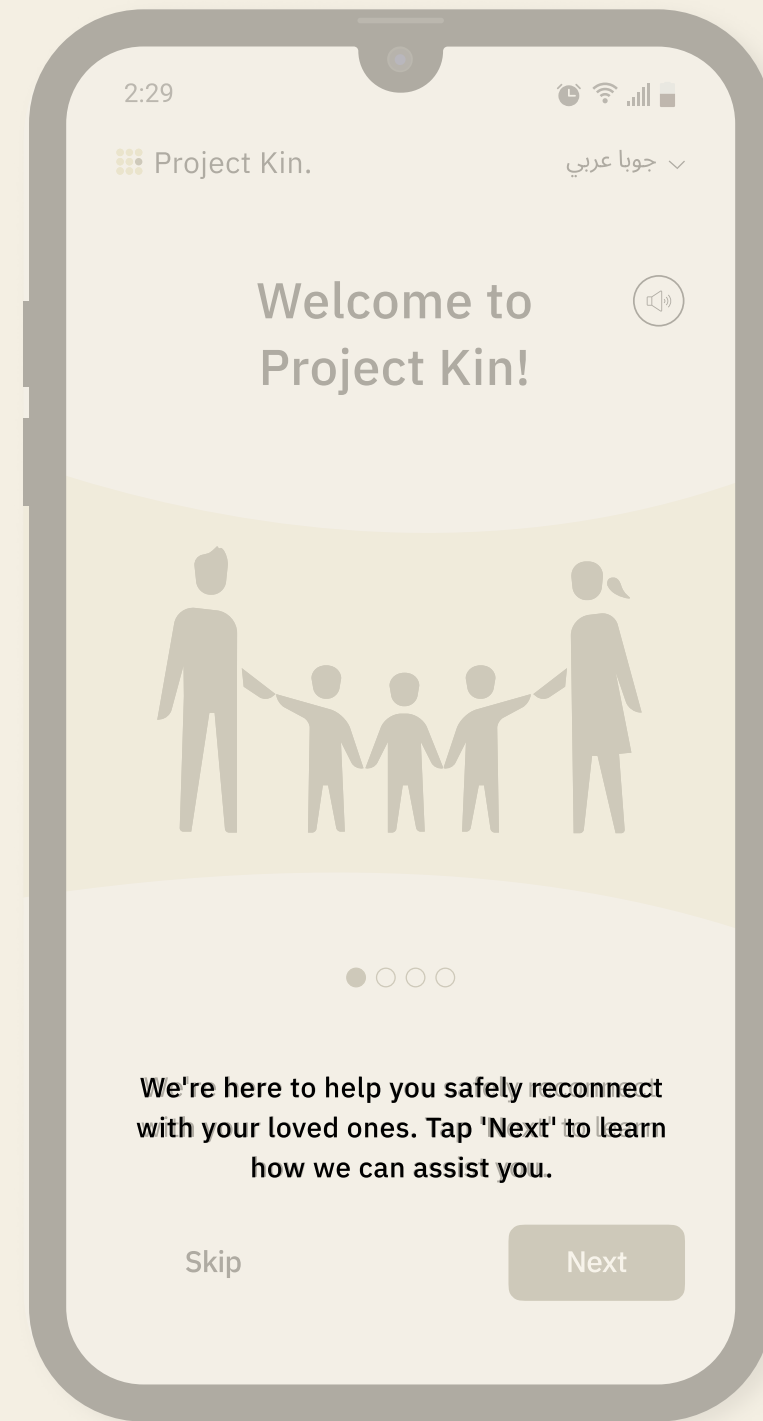
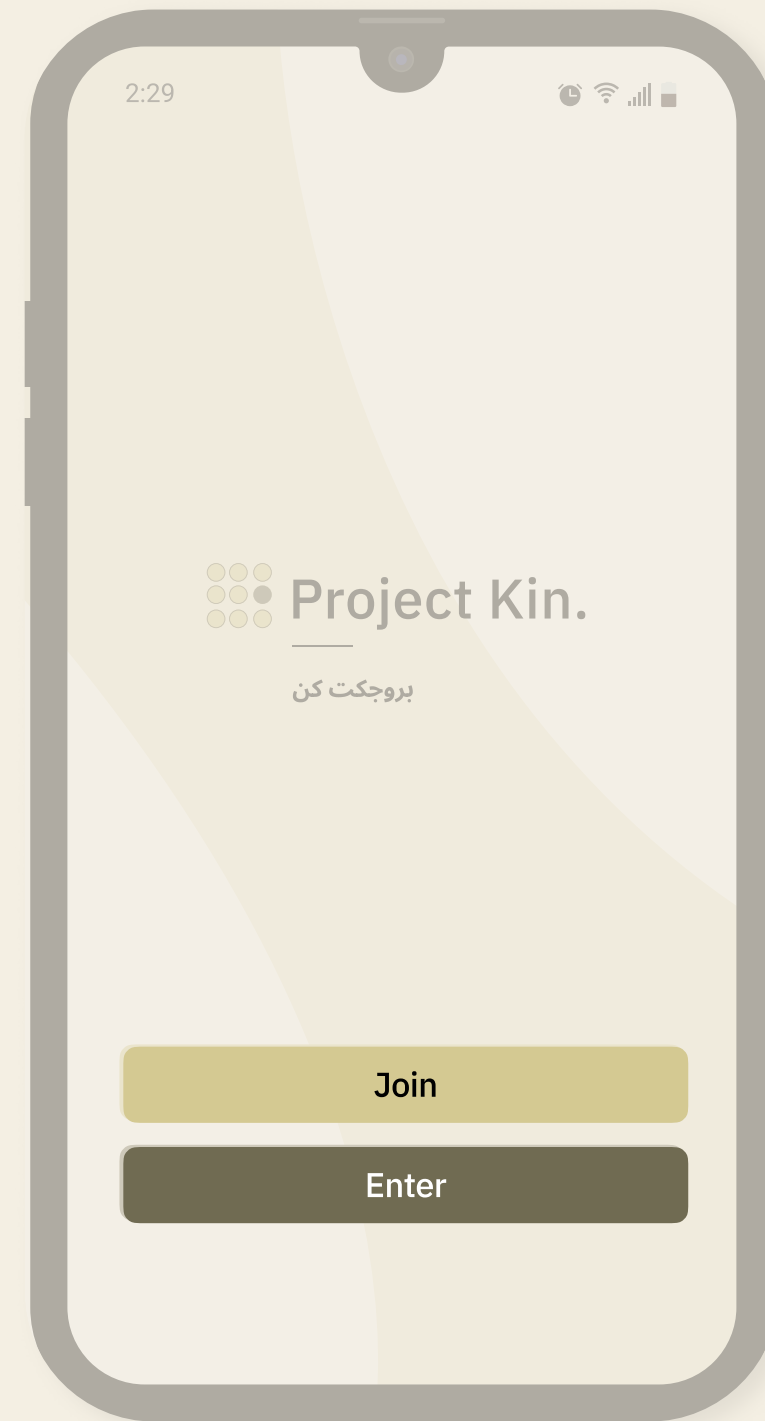
MASCOT



PROGRESSIVE FEATURE  
TEACHING

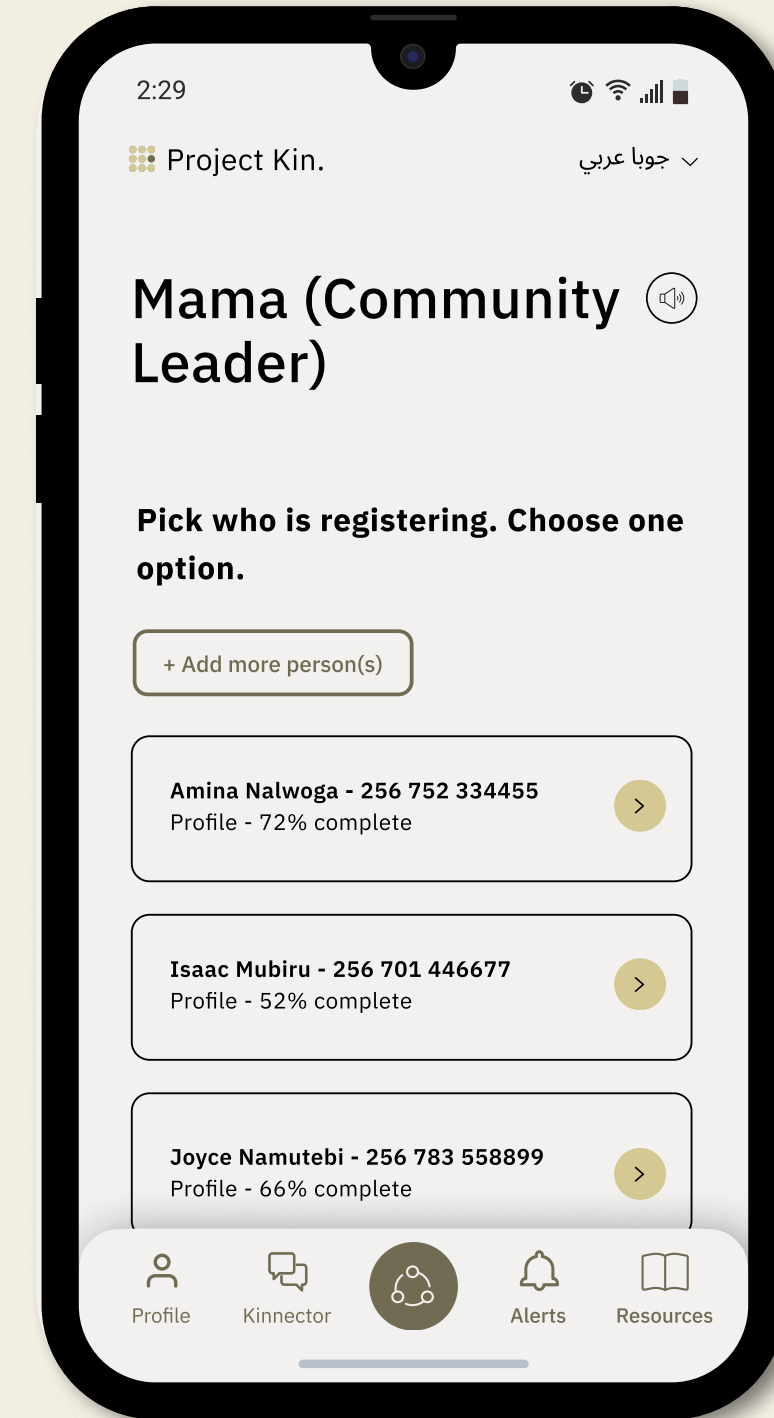
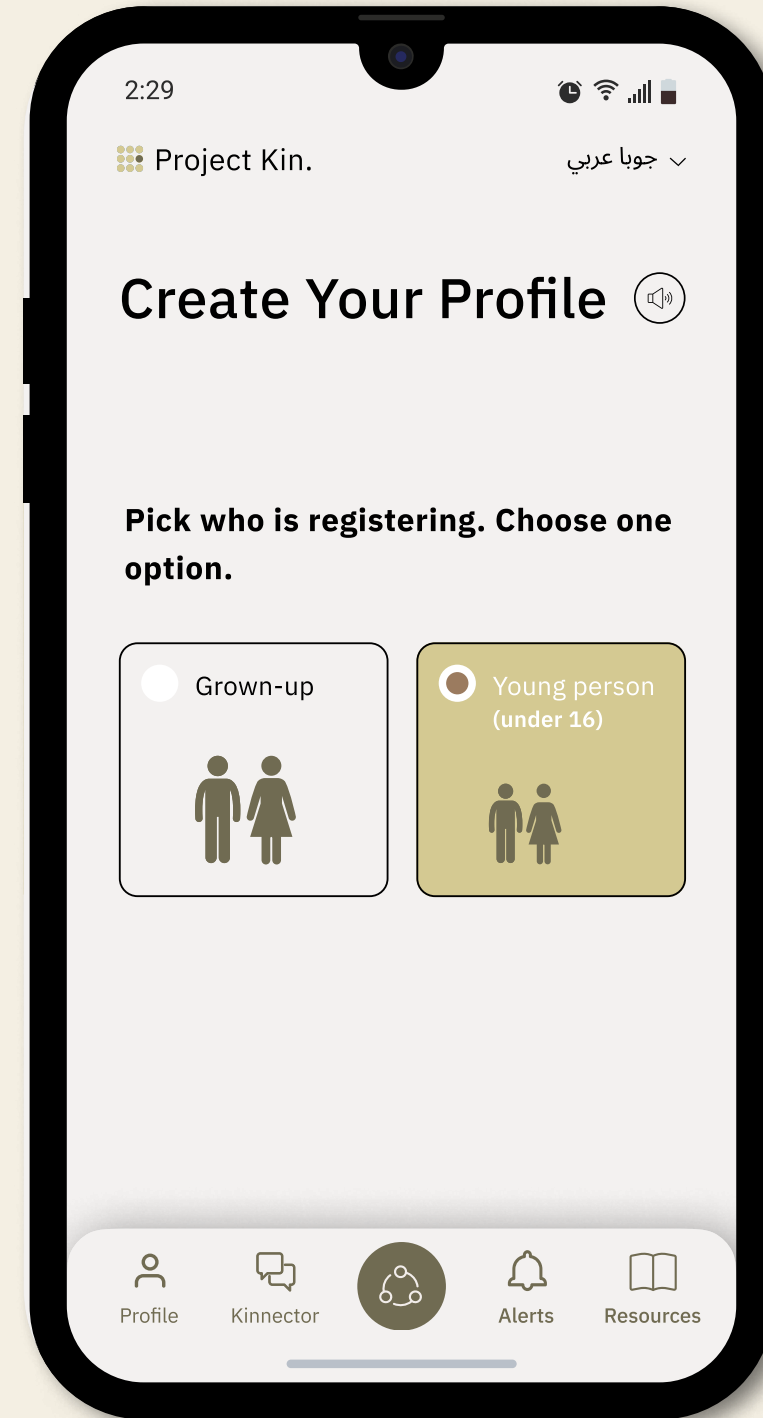
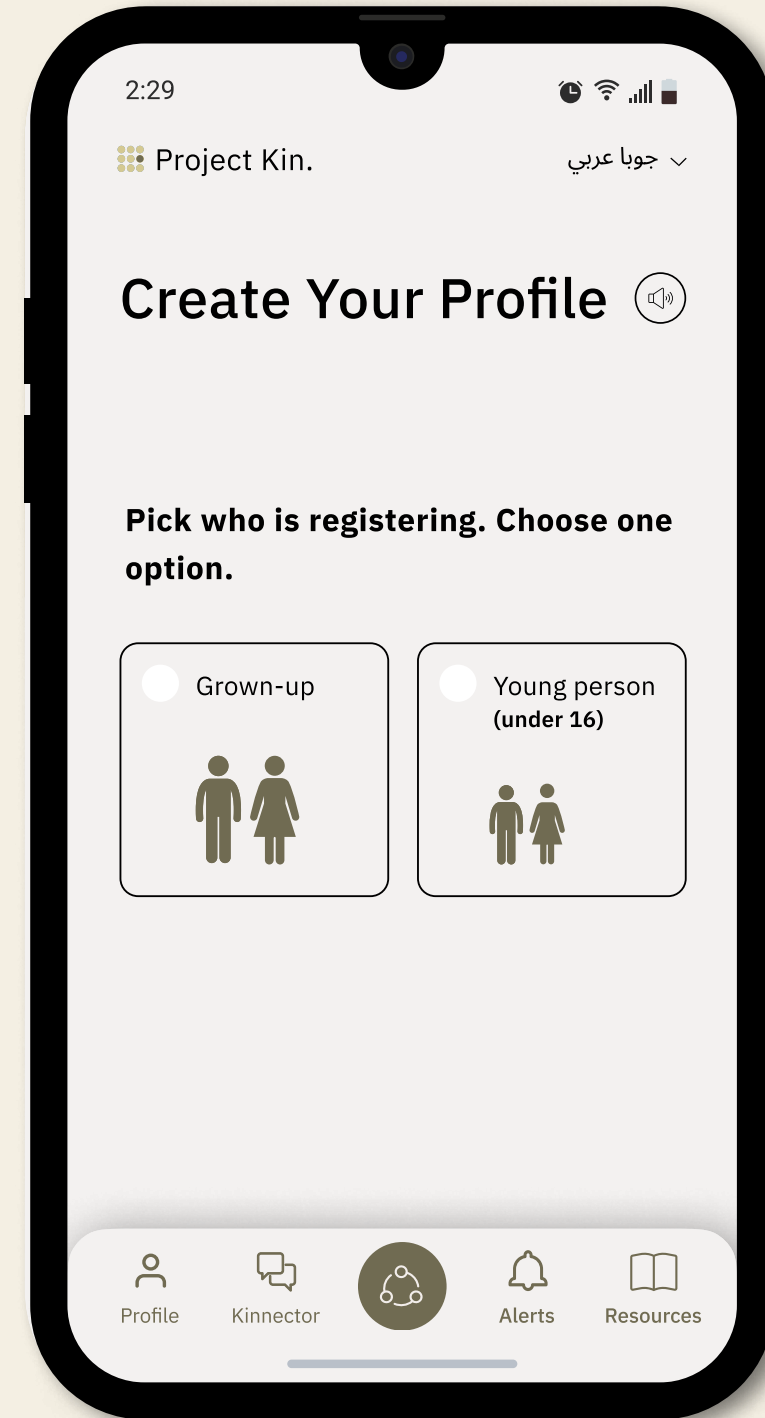


# Onboarding





# Registration

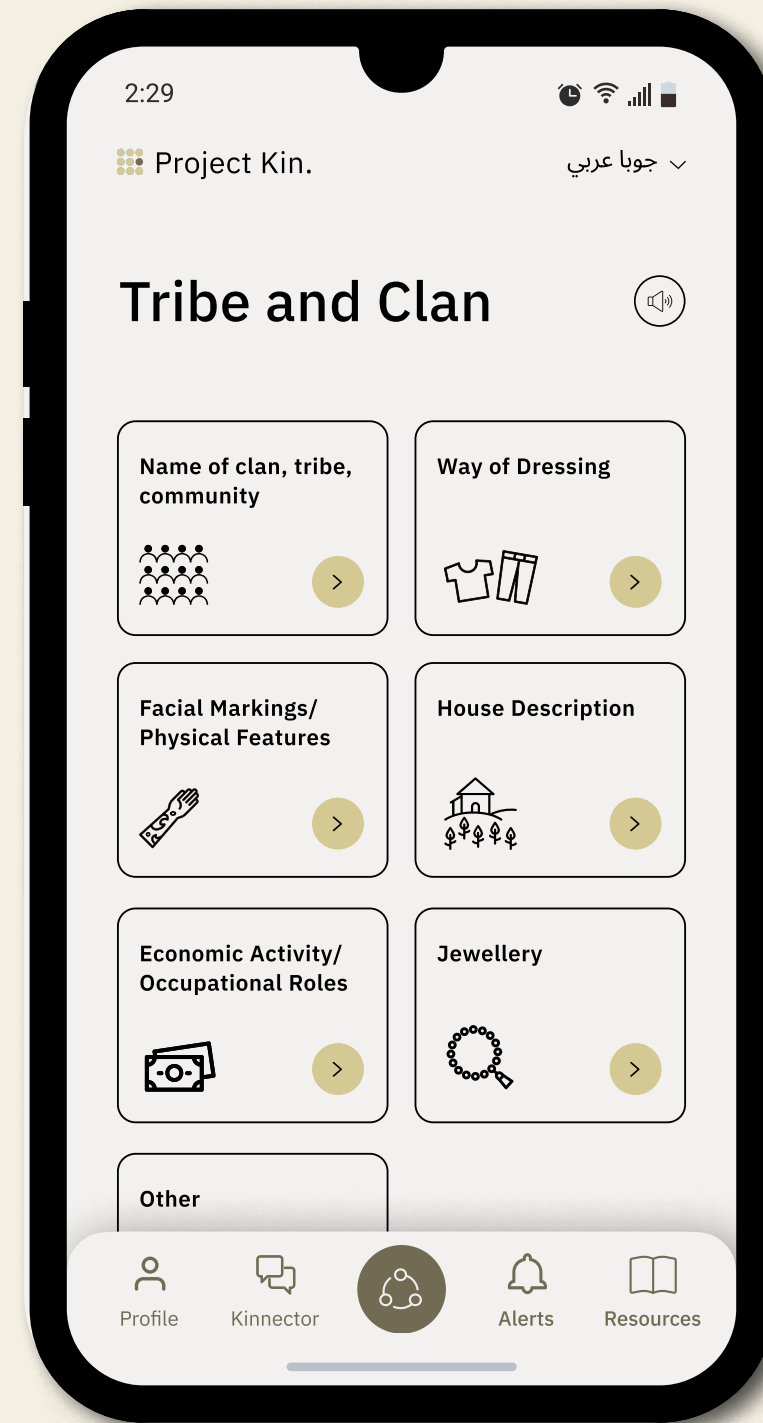




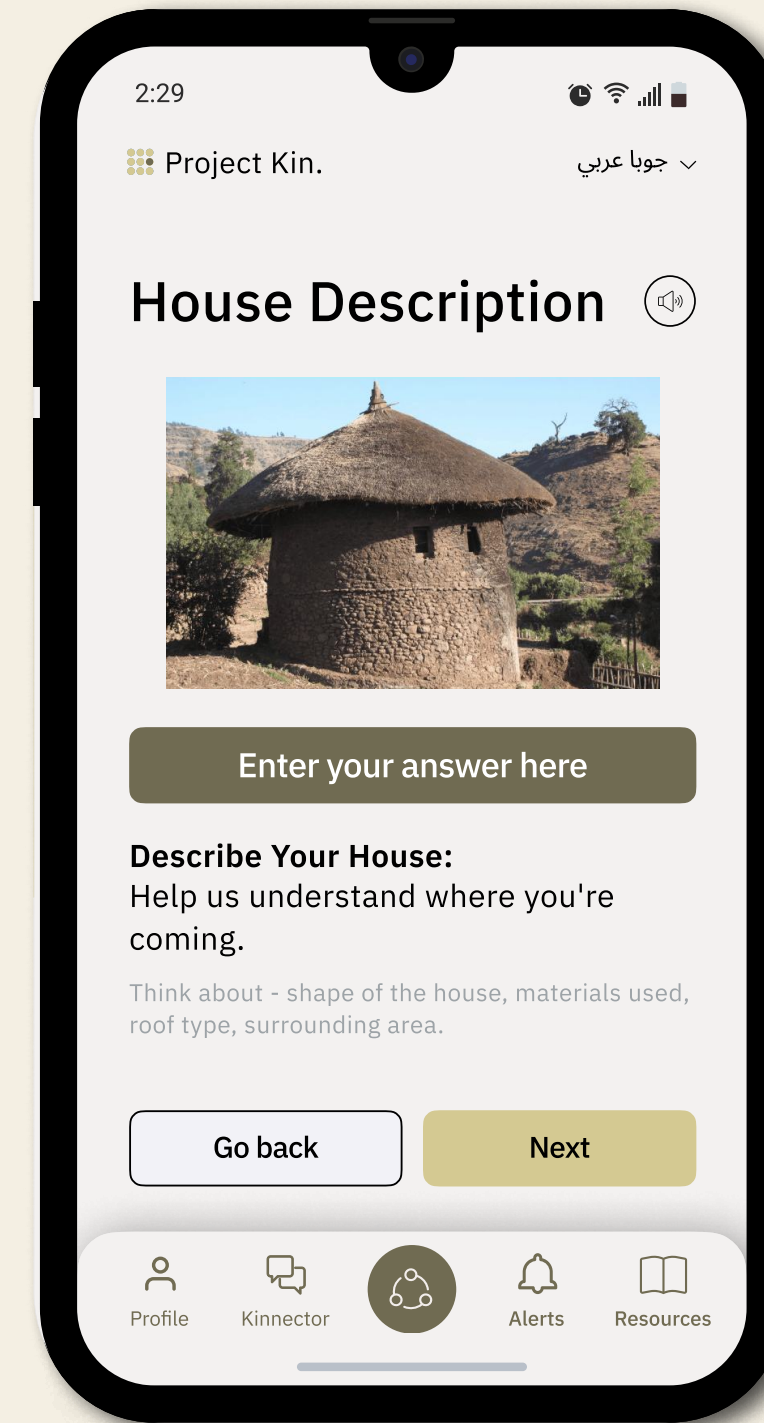
# Profile Building



IDENTIFIERS, STORIES, AND CULTURAL DATA



COMMUNITY ELEMENTS



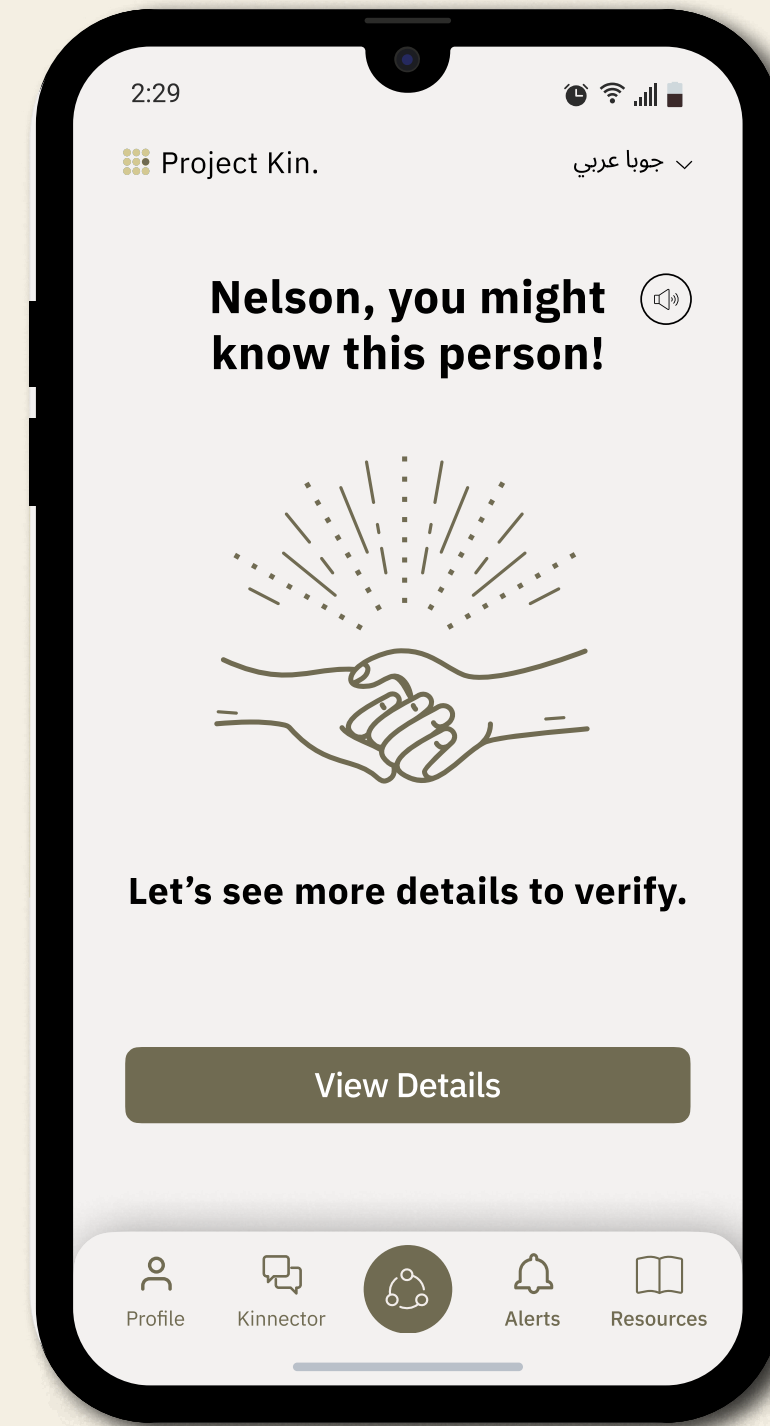
CLAN/TRIBE ELEMENTS



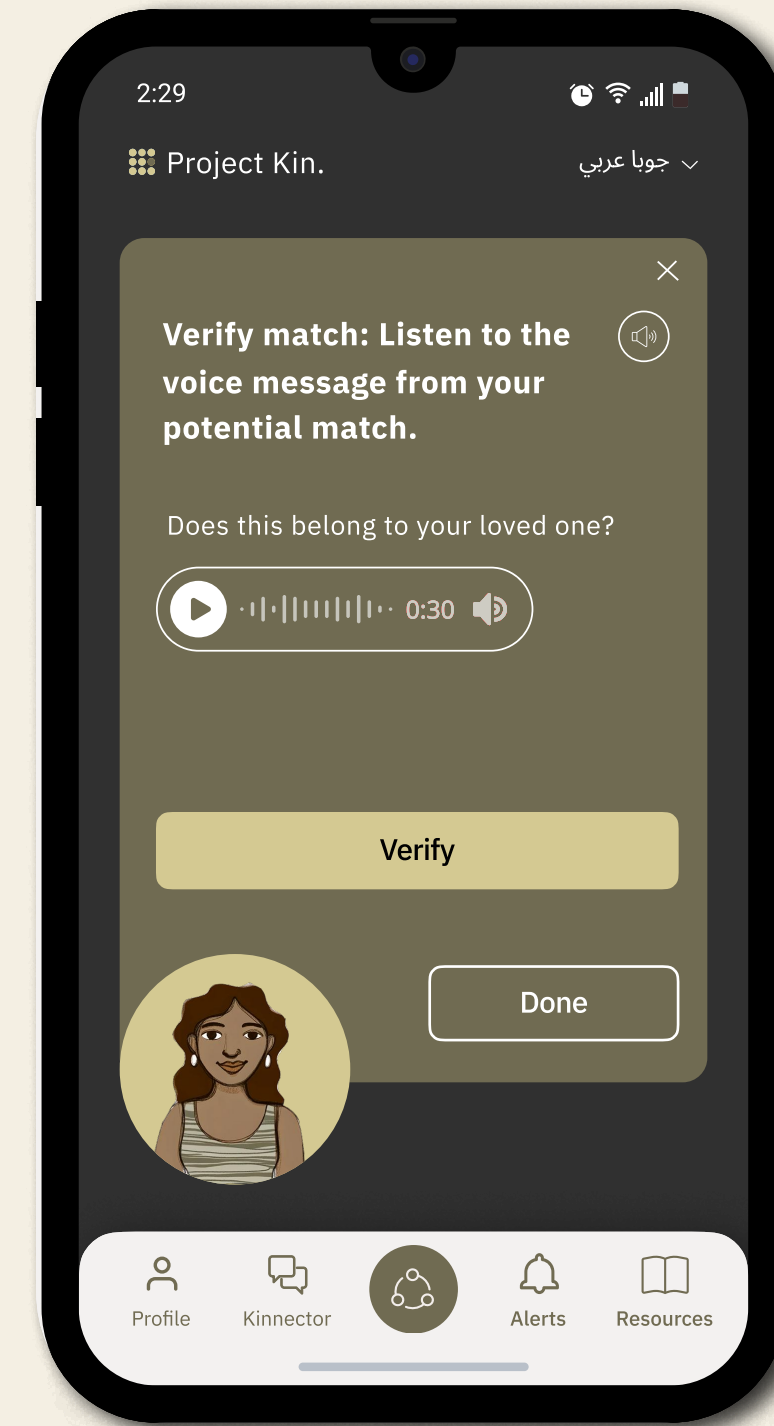
INPUT



# Matching



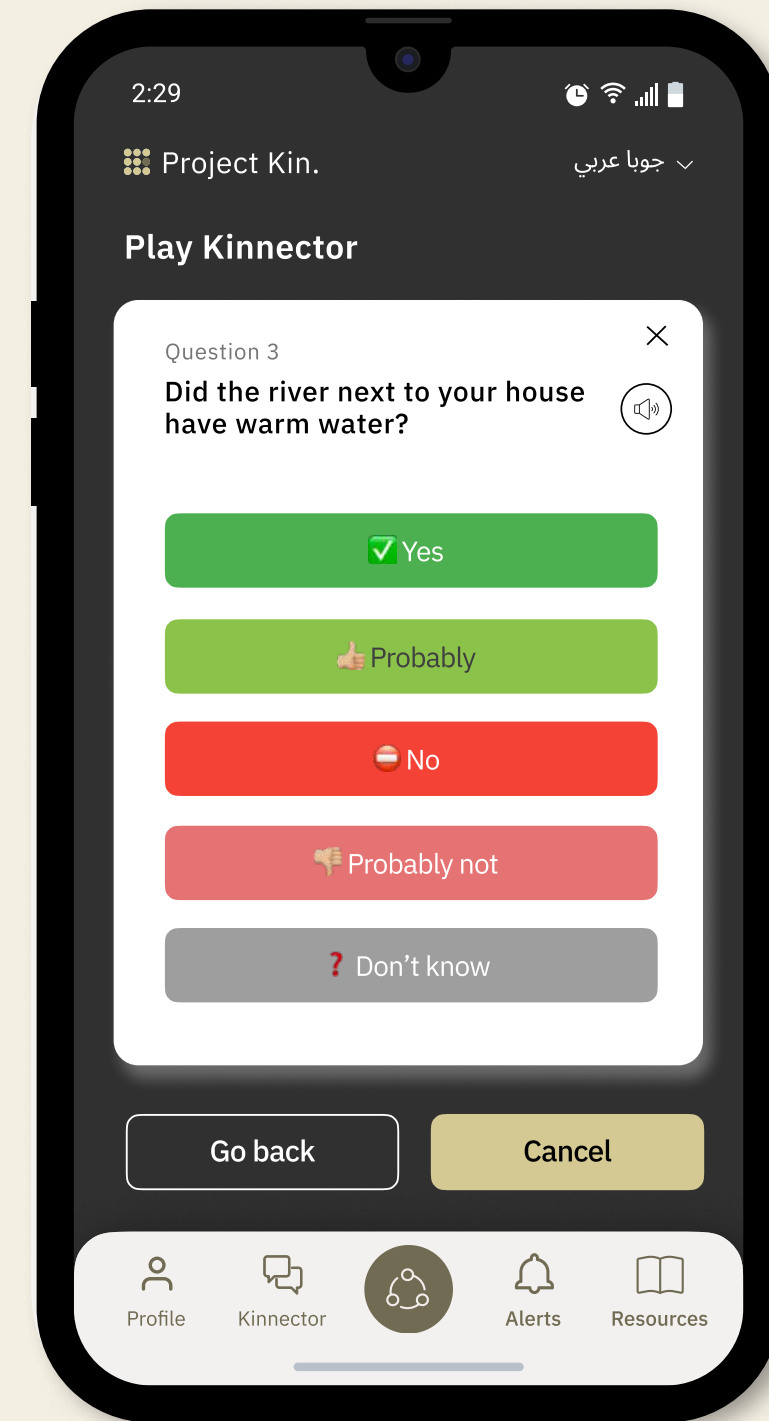
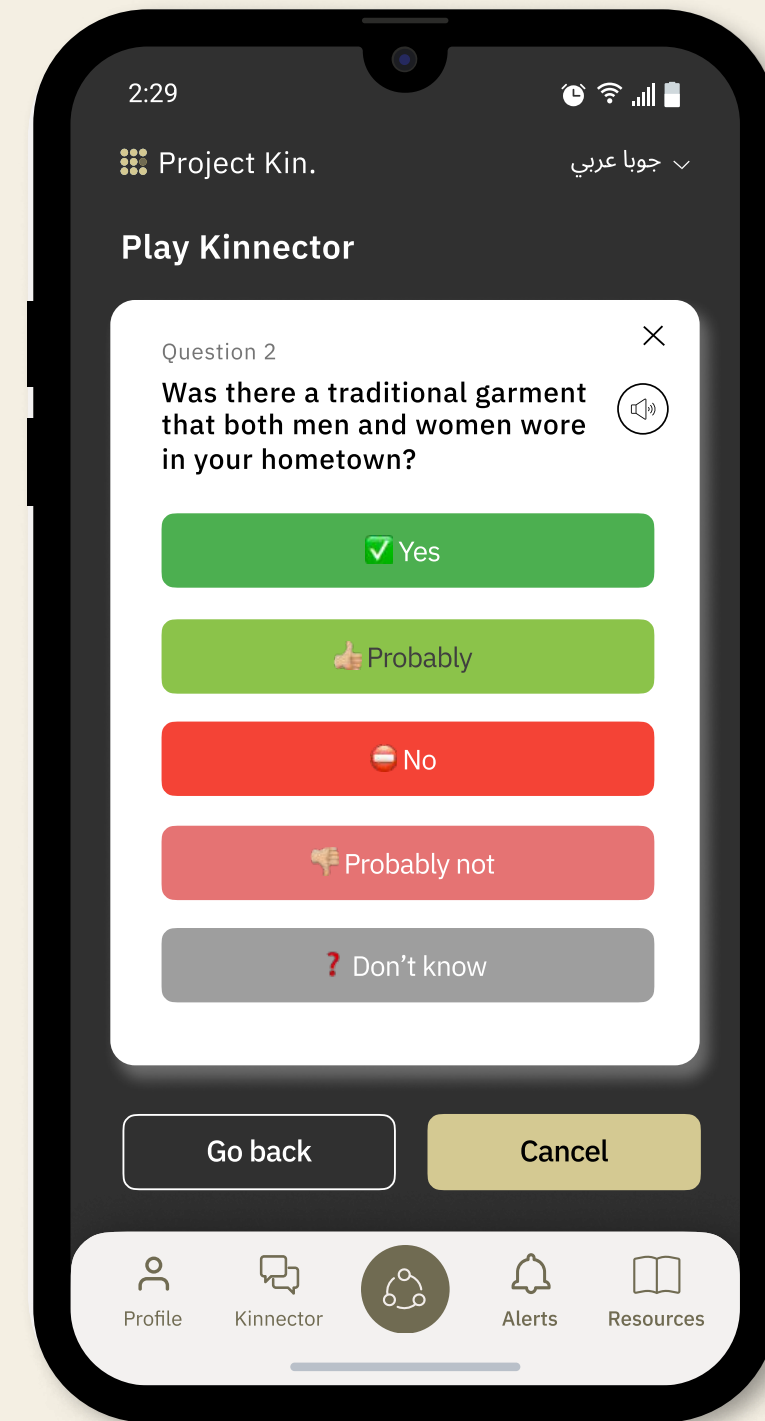
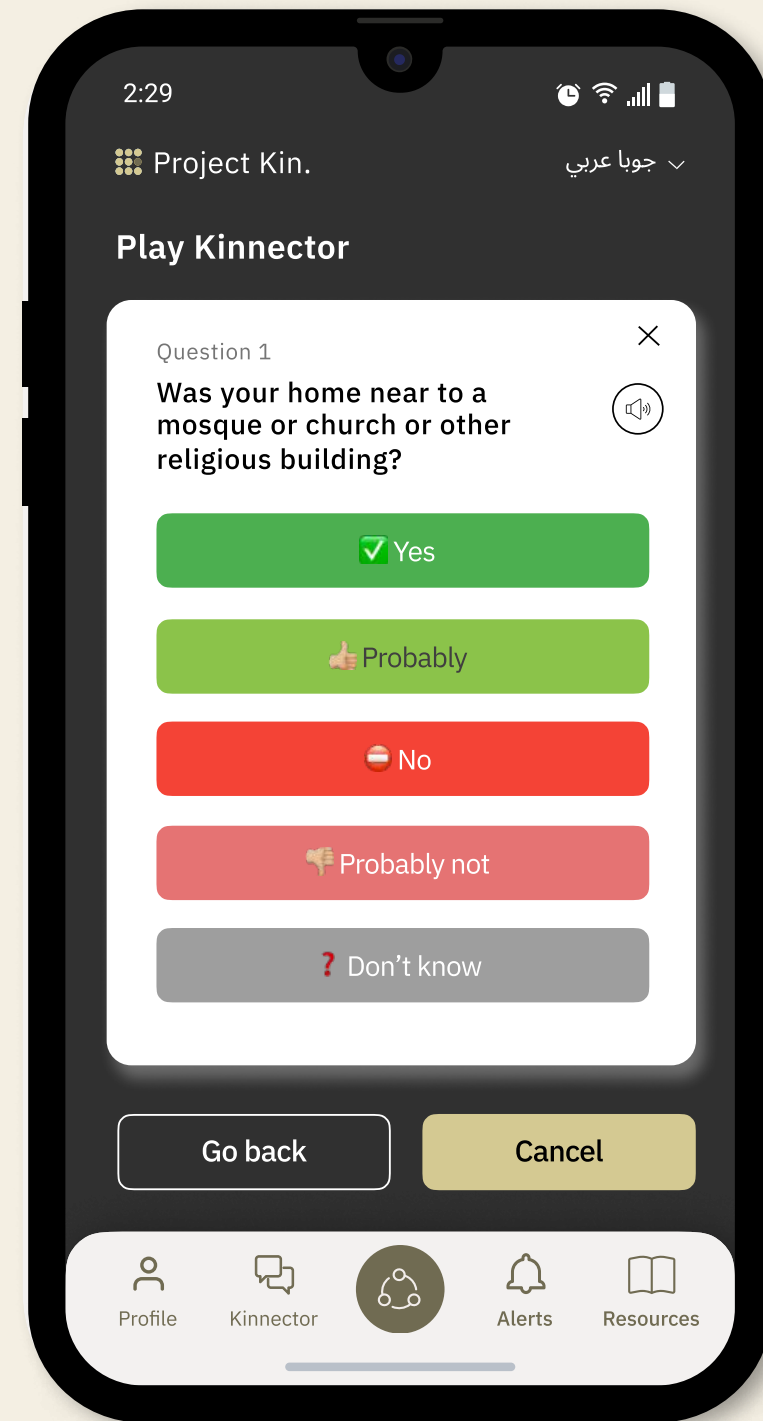
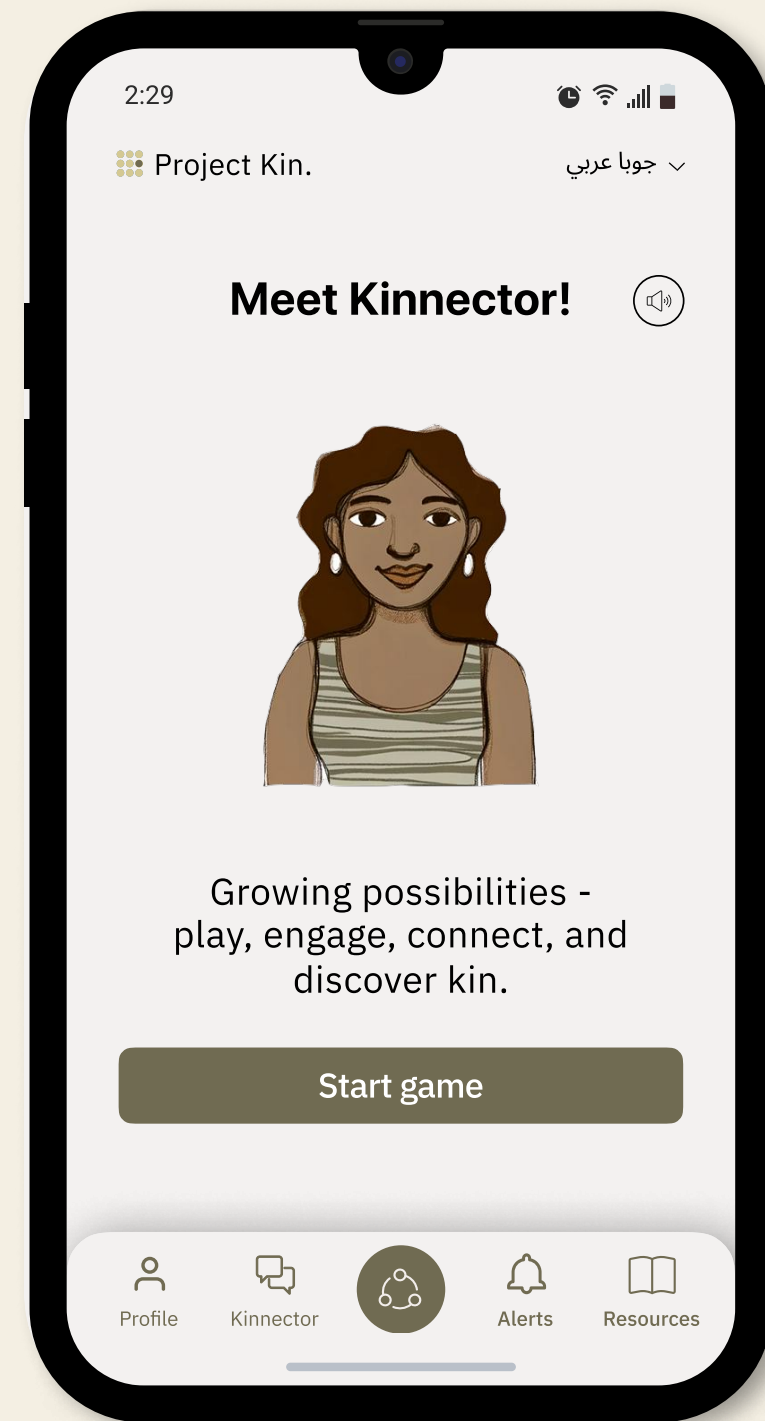
**NOTIFICATION**



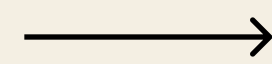
**VERIFICATION**



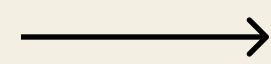
# Kinnecter: Bridging Gaps



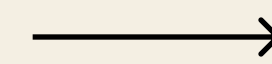
**GAMIFIED**



**ACCESSIBLE/SIMPLE**



**PROGRESSIVE**



**CONTINUOUS  
IMPROVEMENT**



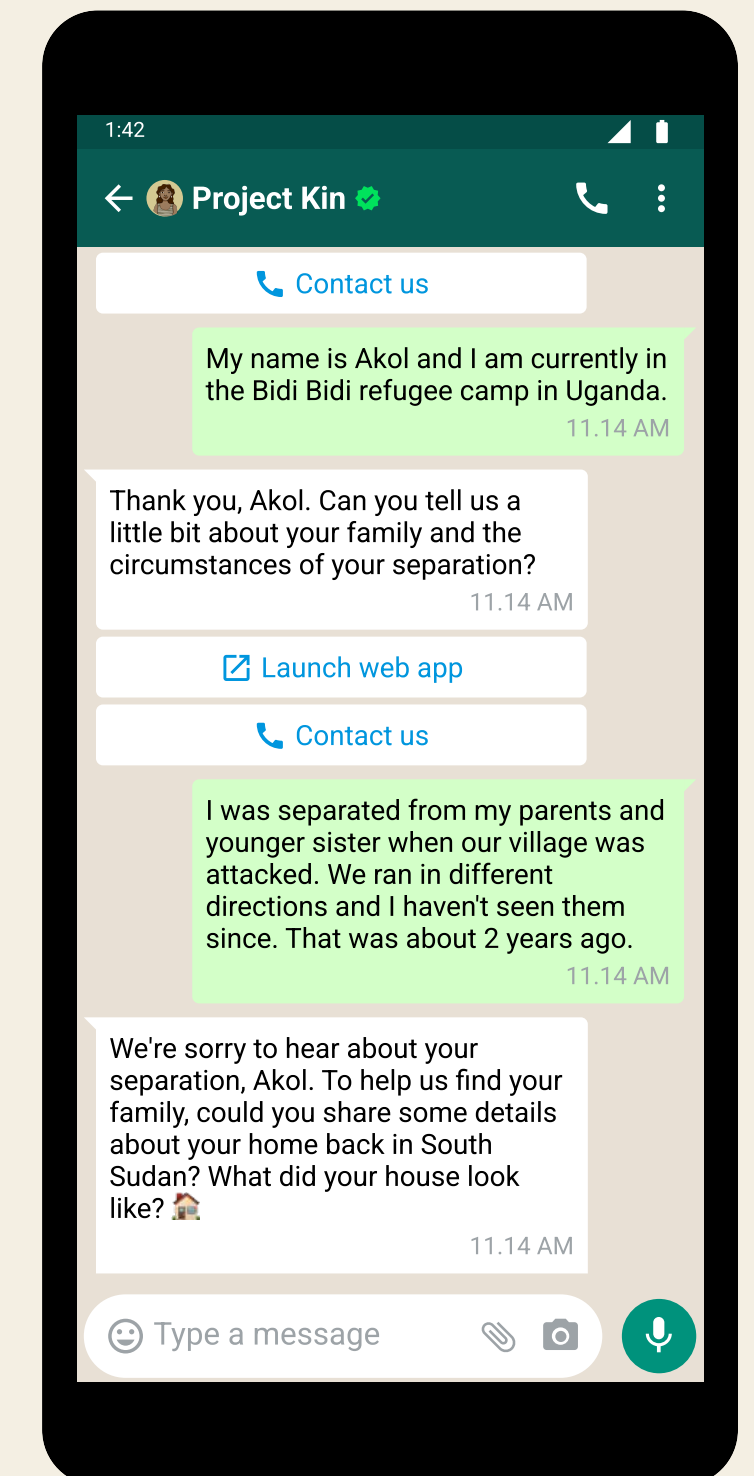
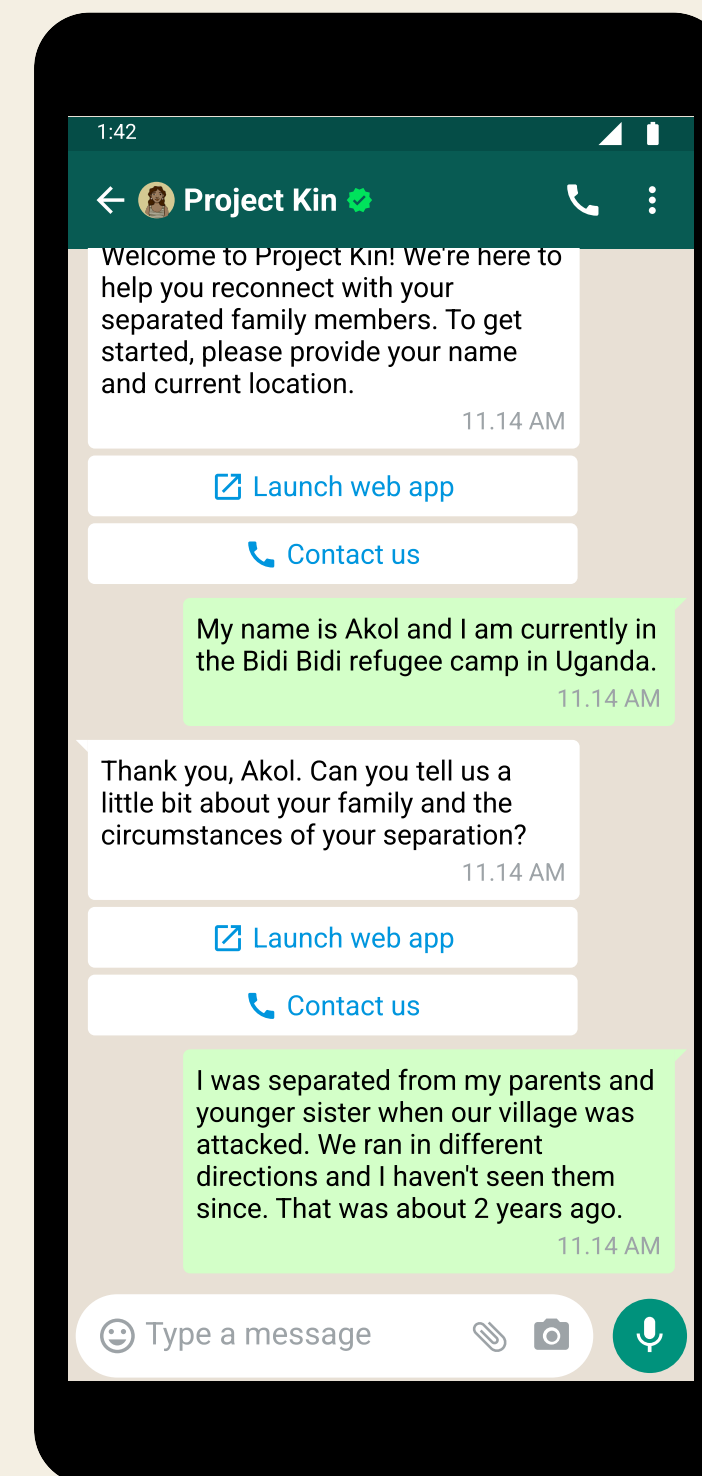
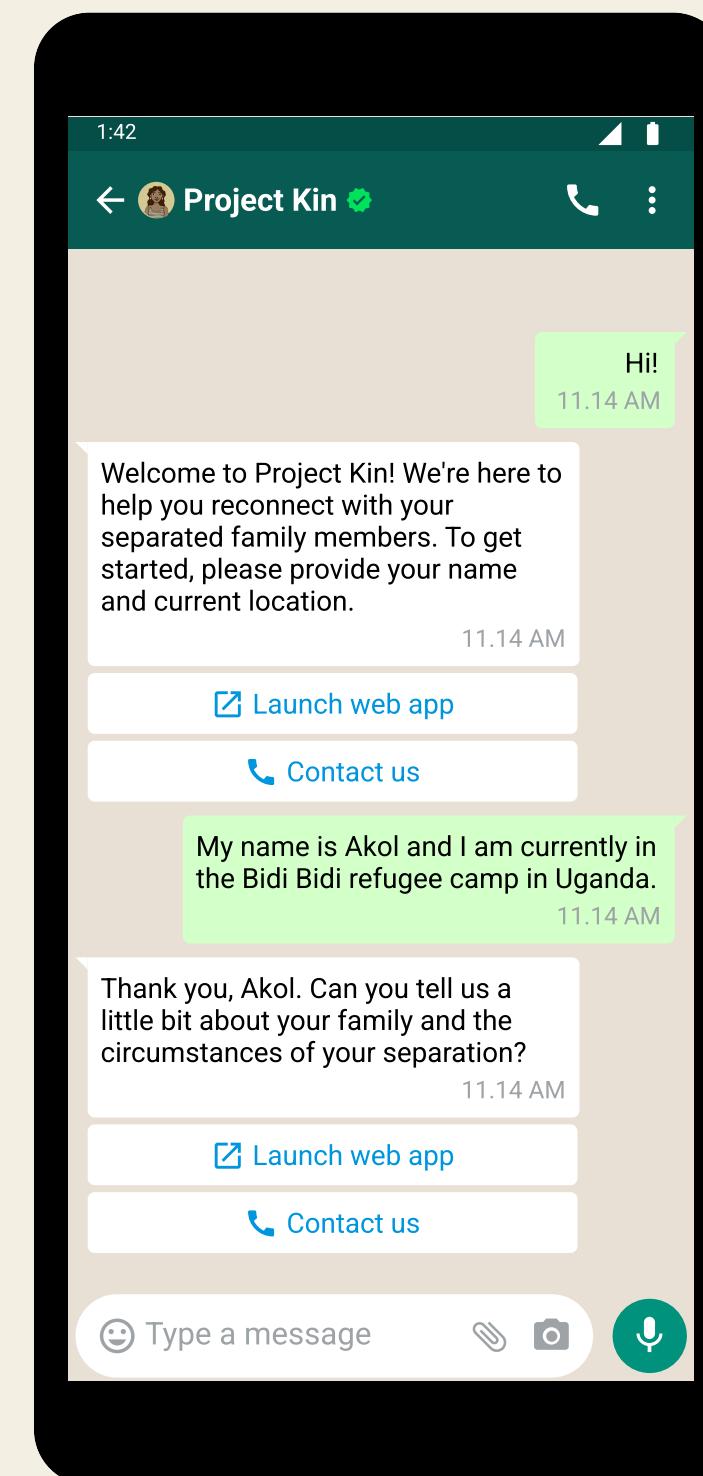
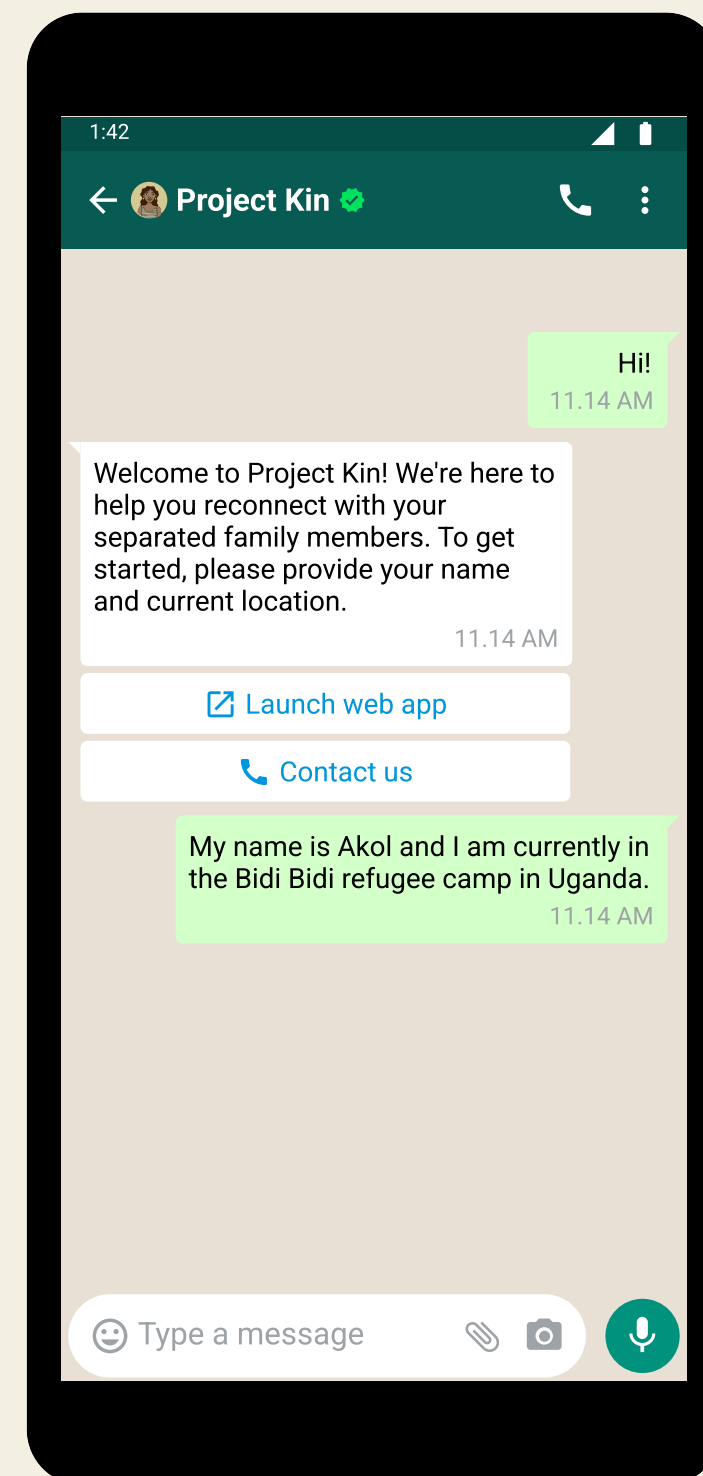
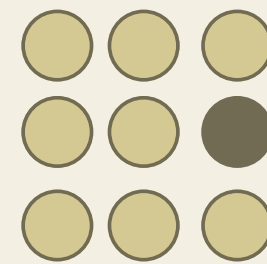
**Sibling identified**





## Designing for redundancy.

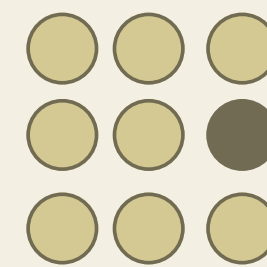
Whatsapp system as an alternative touchpoint





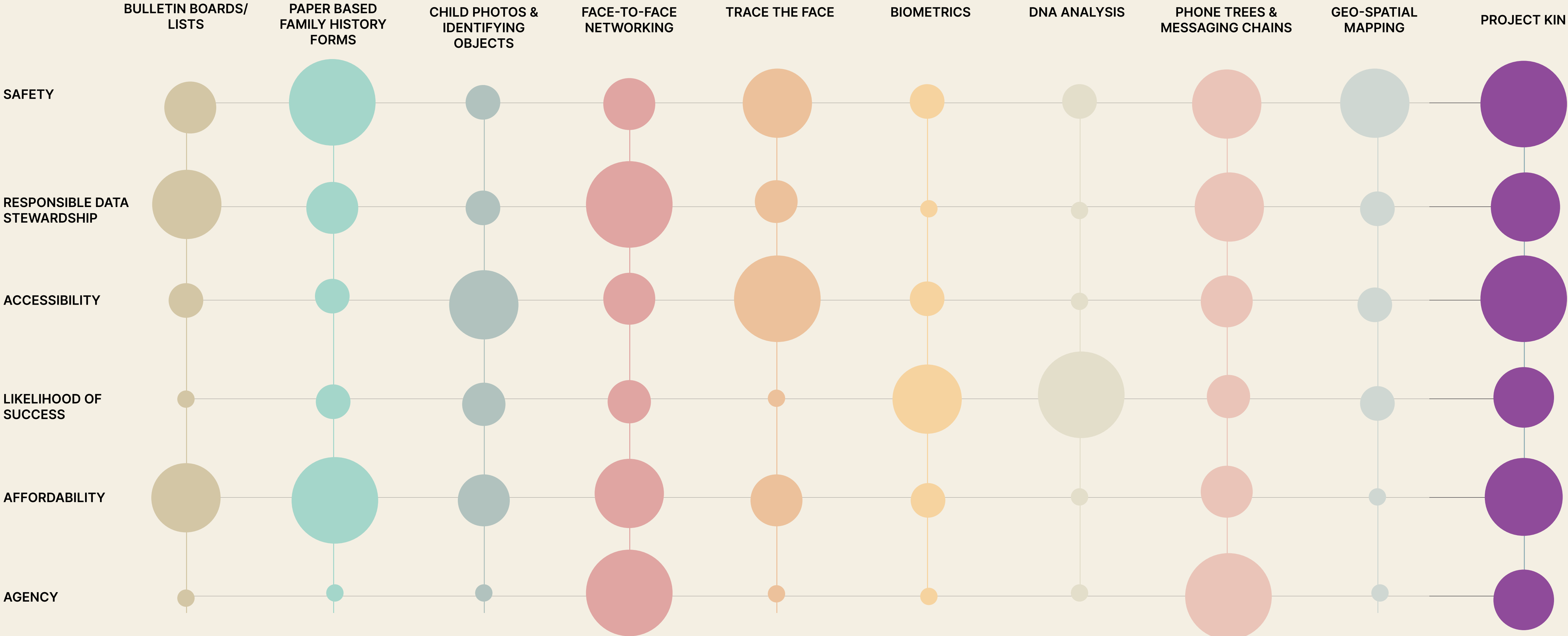
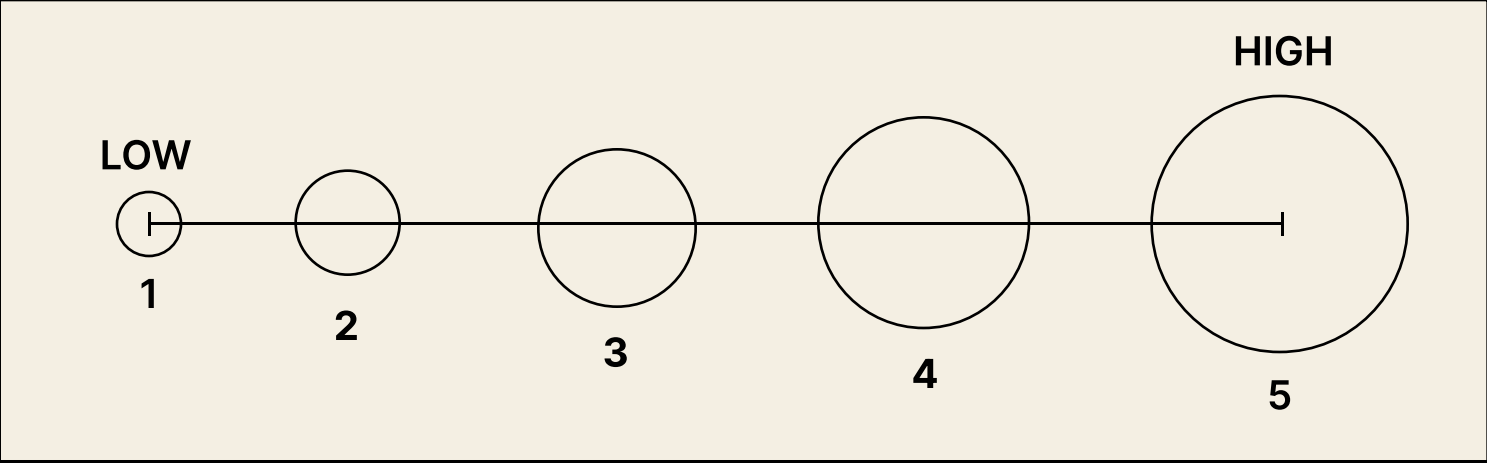
**Designing for redundancy.**

Whatsapp system as an alternative touchpoint



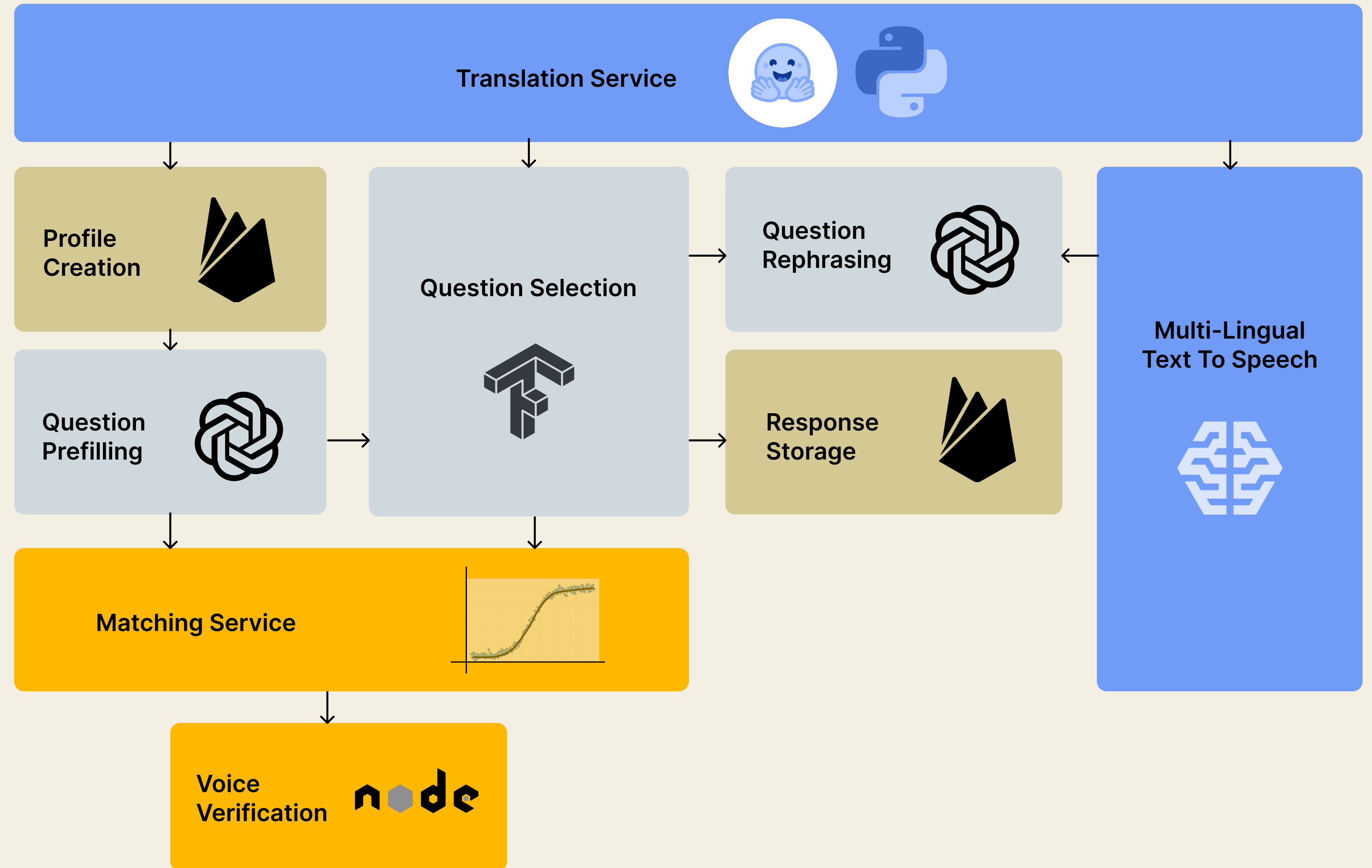


# Comparison of existing methods with Kin



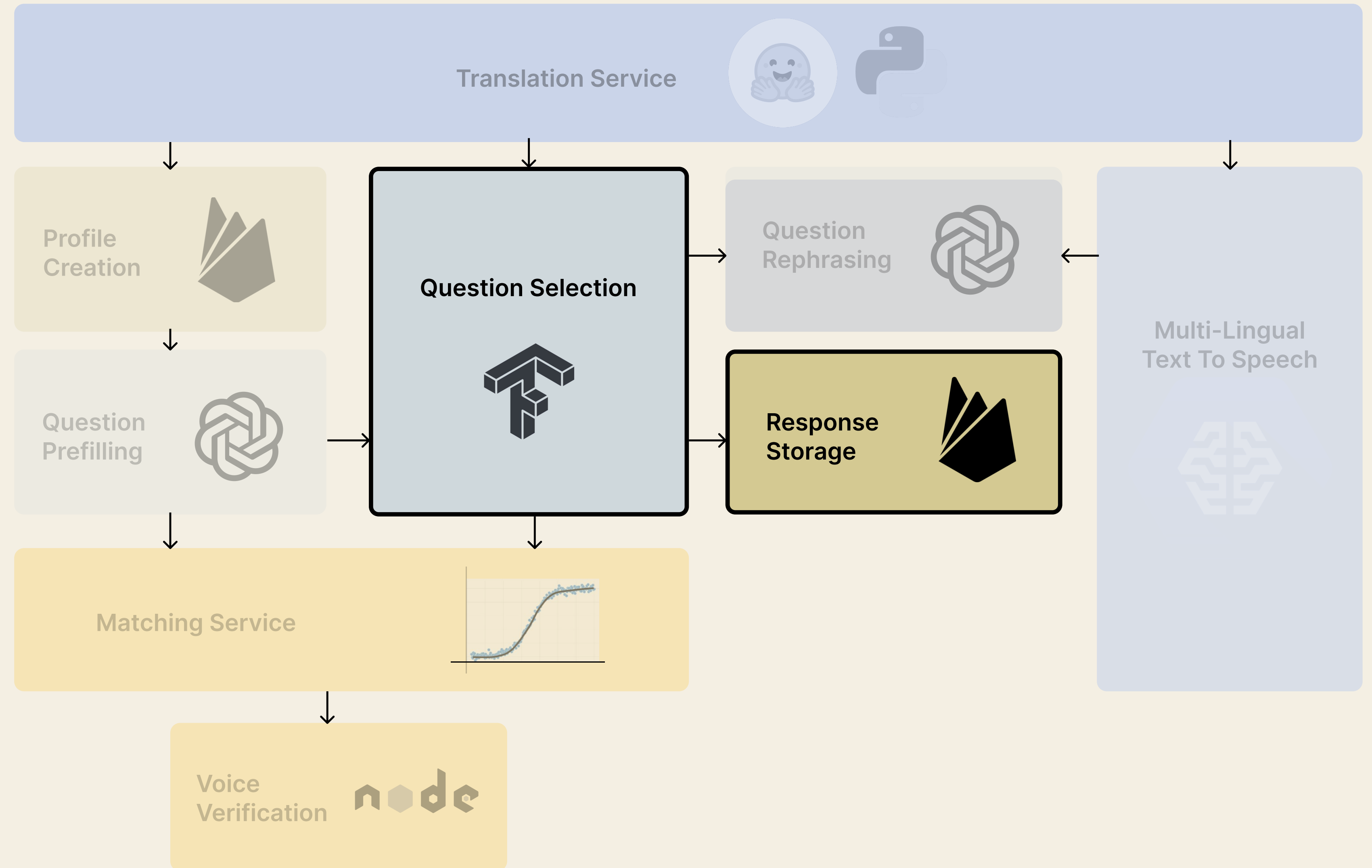


# Tech Pipeline

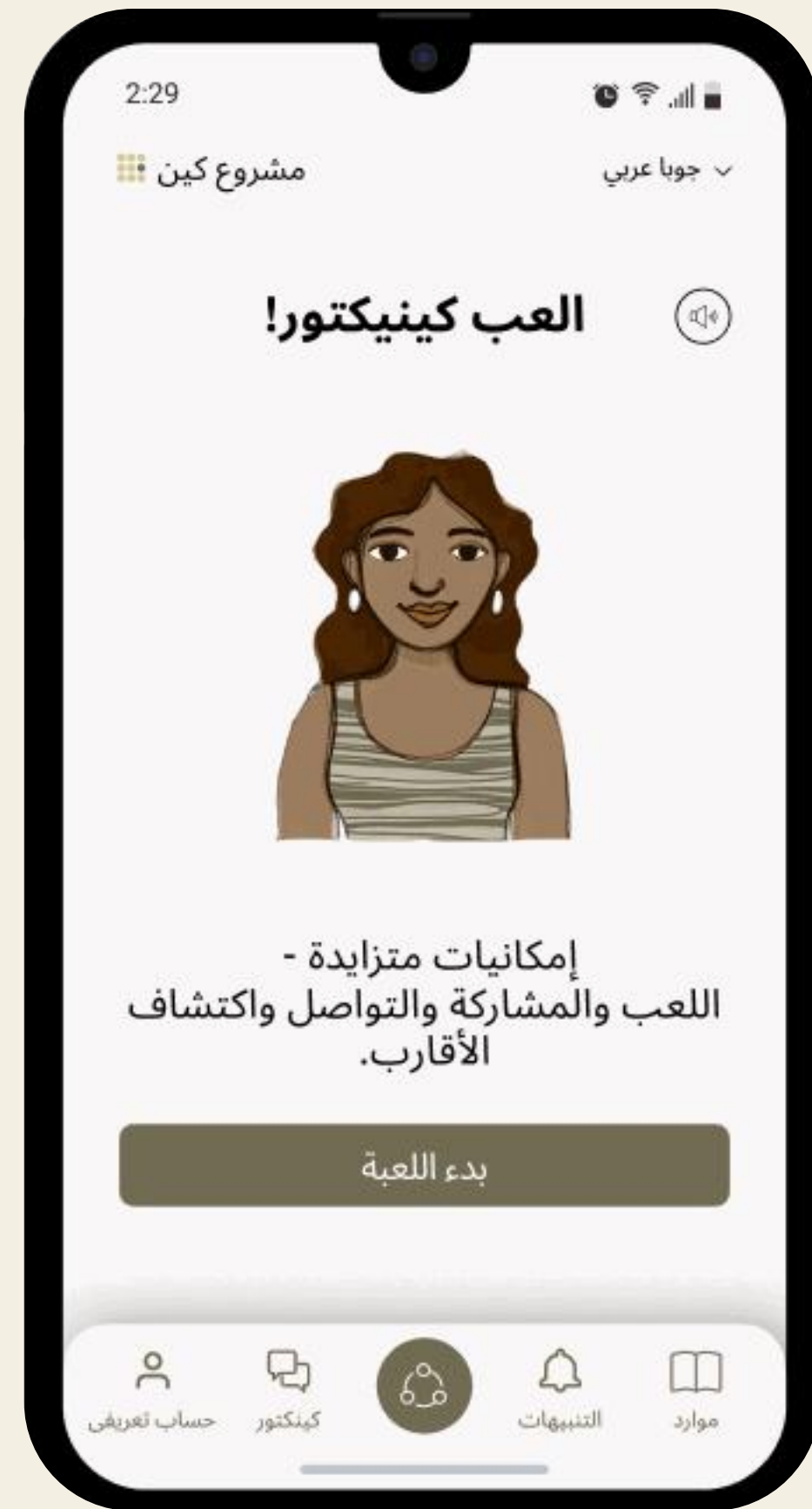




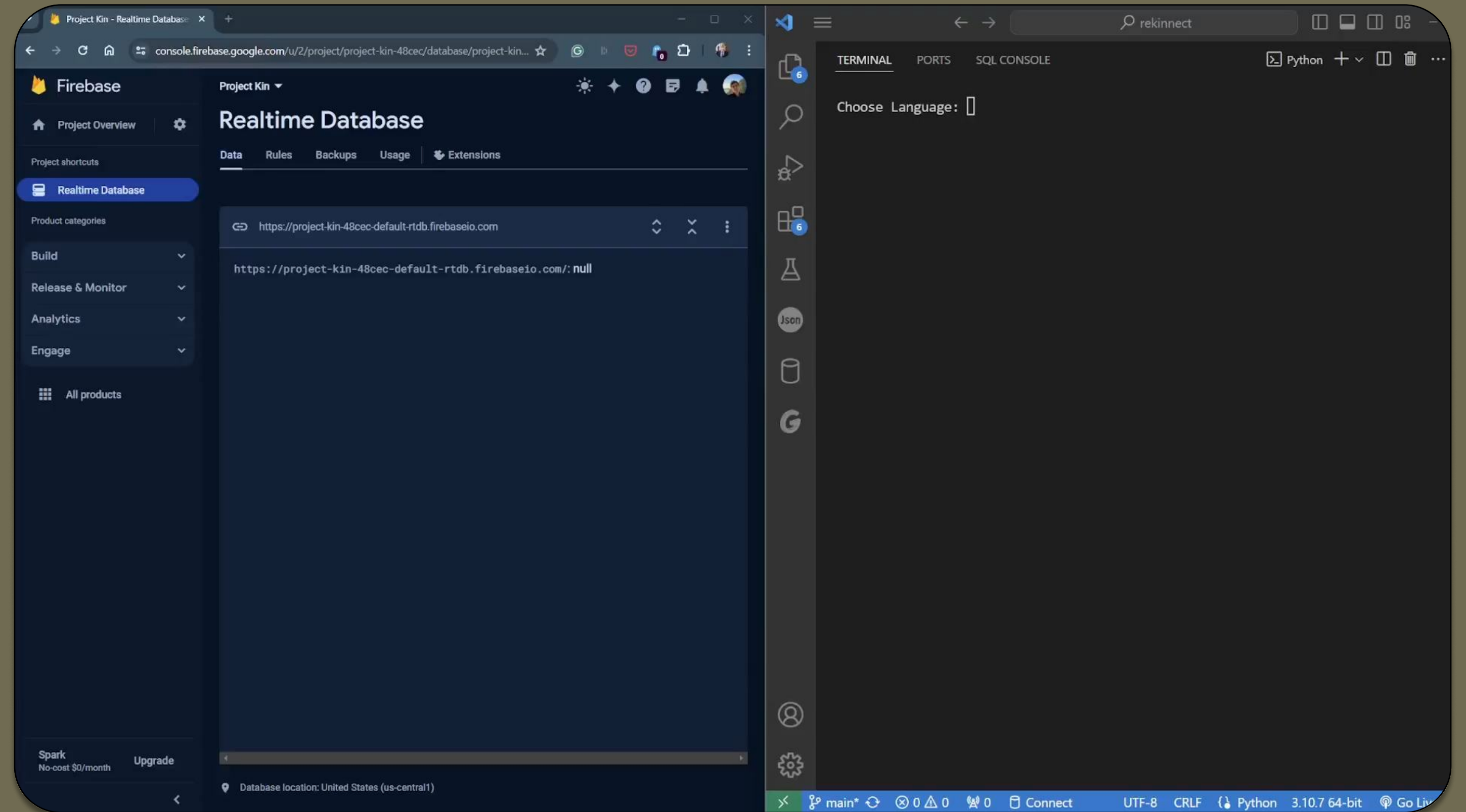
# Tech Demo: Rekinnektor







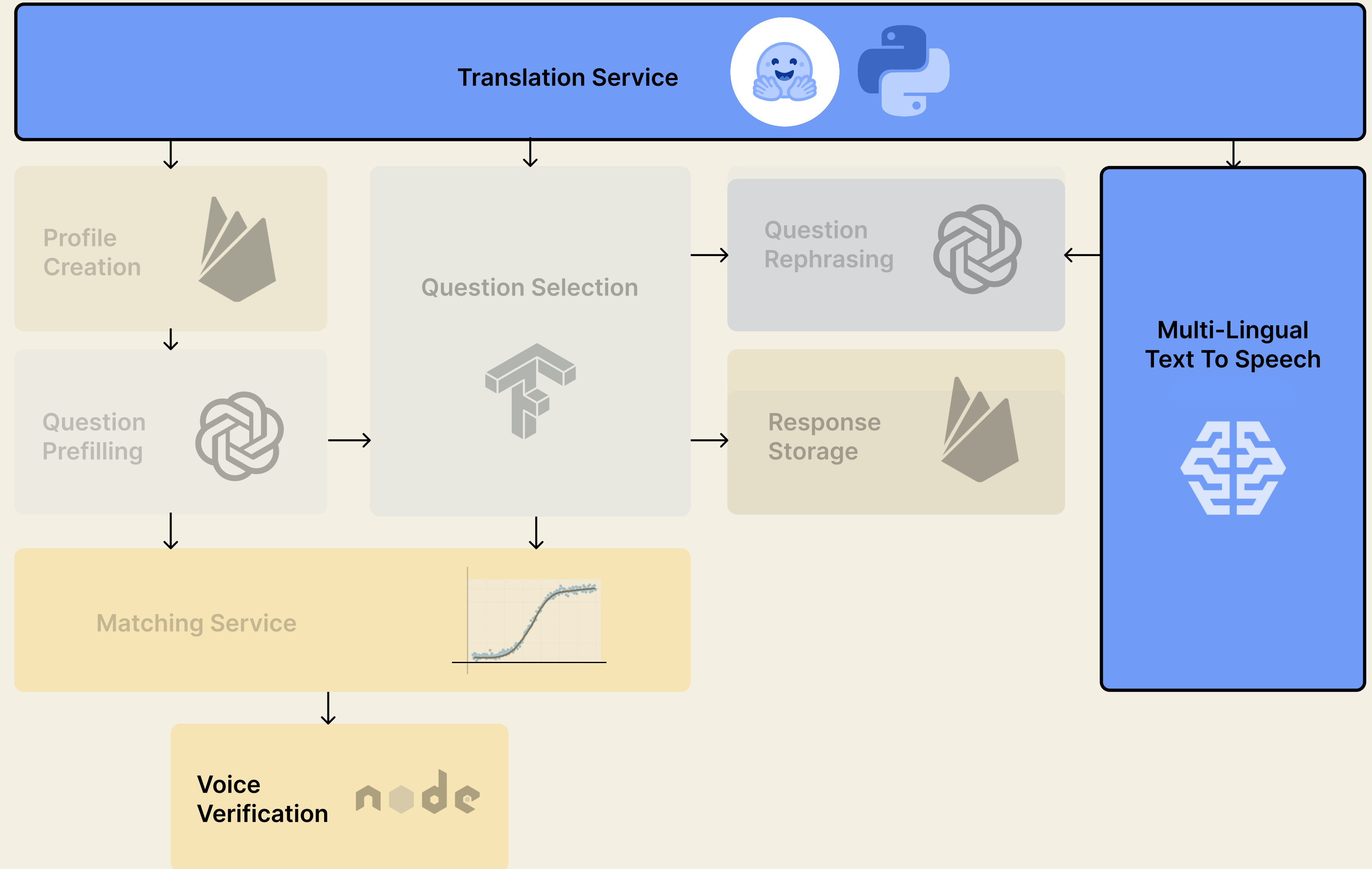
Frontend



Backend



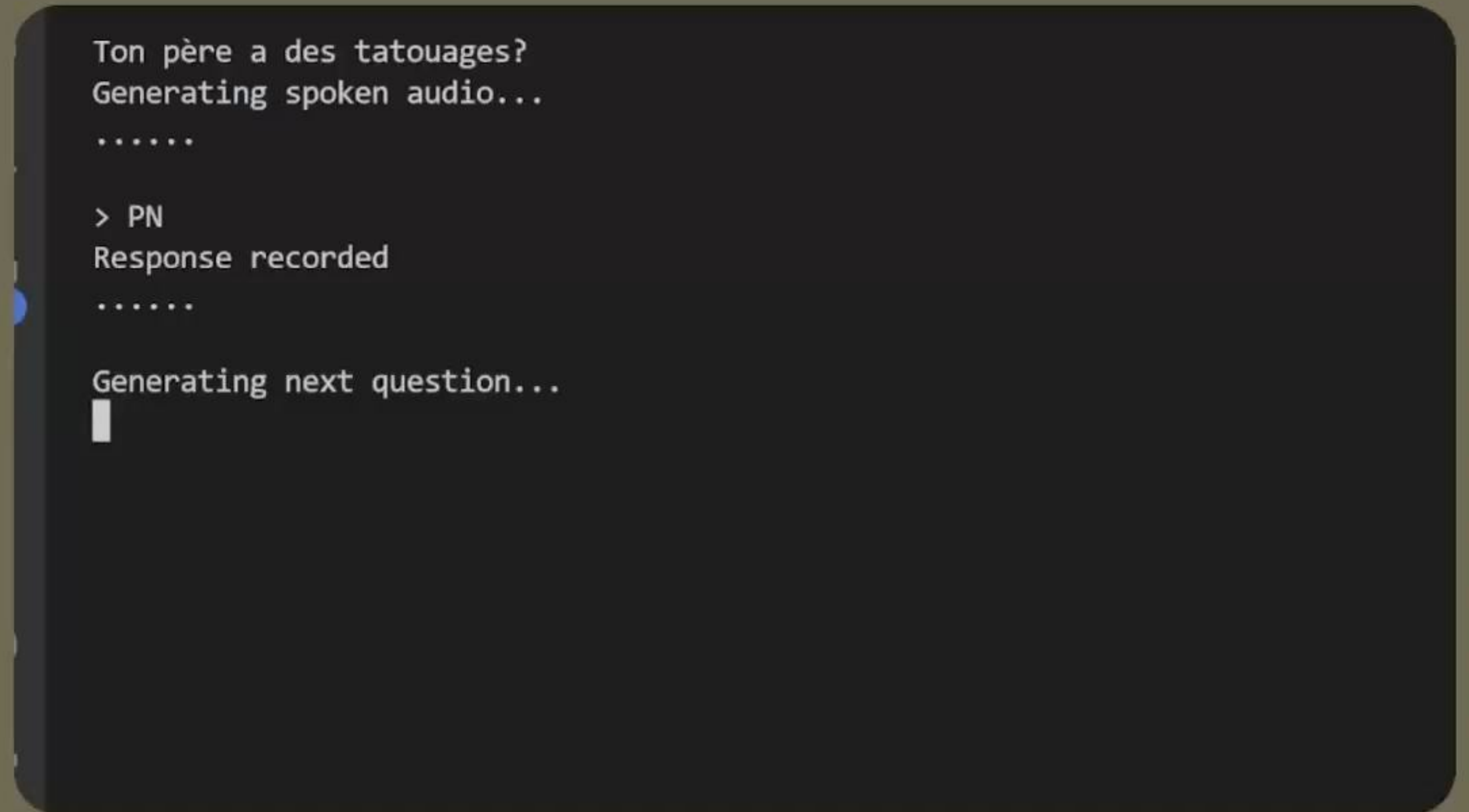
# Tech Demo: Translation and TTS







**Frontend**



**Backend**



# Limitations

1

## **Age Limitations**

Children below the age of 3 and elderly over 80 may struggle to remember many of the questions

2

## **Device Sharing**

Sharing physical devices to input info is nearly inevitable

3

## **Dual Participation**

Requires both separated parties to independently use the platform



## Unintended Consequences

1

### Negative

- Connection of parties that do not wish to be reached
- Potential for abuse by individual bad actors

2

### Positive

- “Pollination Effect” - if you find one match there's a way to find community matches





**Message from our teammate, Bidali John**

Project Manager (YSAT), South Sudanese Refugee



The product is informed by and co-created with

John Mark  
Viola Stephen  
Lak Jesca  
Bidali John  
Sandy  
Betty Asa  
Rose Woja  
Joseph  
Nelly W  
Baiga Samuel John  
Zeka Enock  
James Salah  
Zeka Enock  
Jon W  
Agaba Davis  
Jon Jal Dak  
Joyce  
Vicky  
Sebit

Peter  
Davis  
Rogers  
John Mark  
Rina Ittia  
Ochilo  
Nelson  
Steven Lobor  
Betty Kelli  
Jane Esther Benjamin  
Justo Kabas  
Taban Alfred  
Robert  
Mary  
Peter  
Wani  
Itia  
Betty W  
Ken

Abokarach Vich  
Lucy Lokang  
Florence Amita  
Betty Sunday  
Sulan Sadio  
Roda Kani  
Aber Fiona  
Stella Ayoza  
David Lukudu  
Thomas Mawa  
Fabian Lupai  
Alica Akot  
Betty Nancy Peter  
Barak Mark  
Redia Nancy  
Goya Gladu Isaac  
Mary Kiden Enosa  
Grace Itia  
Ropan Joyce

Steven Lobur  
Robert Khemis  
Clement Wani  
Nelson Woja  
Peter Maliya  
Betty Keji  
Nema Betty  
Stephen Lomo  
Foni Rose  
Anzoa Peace  
Vivky Adokorach  
Richard Remo  
Betty Somia  
Genaro Peter  
Mourini Jovia  
Besta Ajonye  
Justo Manash  
Amos Juma  
Rose Sidma

Esther Nurh  
Amani Joyce  
Justo Kabas Oliver  
Ntuku Milton  
Stephen Taban Paul  
Kennedy Hakim  
Jane Esther Benjamin  
Yeka Enock Jamba  
Batal Bernard Clement  
Lak Jesca  
Taban Alfred  
Yeka Enock  
Jackline Sonyi  
Neima Ileli  
Bettu Keji Taban  
Joyce Akujo  
Selina Adare





# Project Kin.

Thank you.



# Security

## From a design front

- Matches only revealed to parties after voice verification is confirmed by the other party
- Reconnection occurs digitally on a shared/recorded line to protect personal contacts
- Users can delete their records anytime

## Ideal backend security

**Precedent:**  
**PROJECT CALLISTO**

1

### Encryption

Unreadable  
without a  
specific key

2

### Legal

Information  
would legally  
protected  
from subpoena  
in most  
jurisdictions.

3

### Audits

Third parties  
regularly  
audit the  
system for  
vulnerabilities

4

### Hosting

Secure data  
centers with  
strict security  
measures



## Next Steps

1

### Testing

Test prototype (design and tech) beyond the South Sudanese context, and expand to other places of conflict

2

### Implementation Plan

Complete implementation lesson plan and distribute paper signage materials

3

### Funding

Philanthropic grants, crowdfunding, corporate sponsorships, and government/international organization grants



## PRE-DISPLACEMENT

## POST-DISPLACEMENT

BULLETIN BOARDS/  
LISTS



PAPER BASED FAMILY  
HISTORY FORMS



CHILD PHOTOS &  
IDENTIFYING  
OBJECTS



FACE-TO-FACE  
NETWORKING



TRACE THE FACE



BIOMETRICS



DNA ANALYSIS



PHONE TREES &  
MESSAGING CHAINS



GEO-SPATIAL  
MAPPING





PRE-DISPLACEMENT

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DNA ANALYSIS



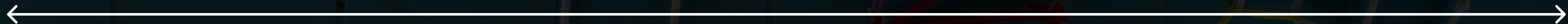
PHONE TREES &  
MESSAGING CHAINS



GEO-SPATIAL  
MAPPING



Project Kin.





# Service Touchpoints



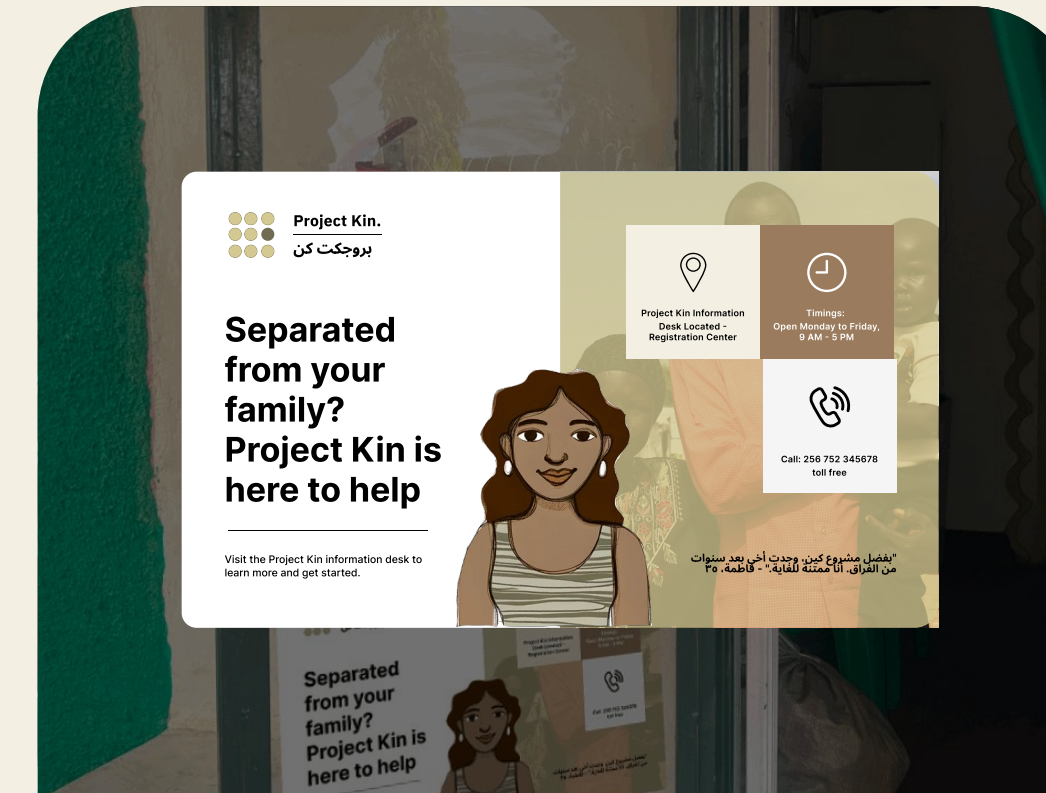
## Humanitarian Dashboard for foster family placement **TOOL FOR COORDINATION**

- Centralized platform
- Matches unaccompanied minors with foster families
- Enables data-driven collaboration



## Project Kin Software for refugee driven tracing **PRIMARY INTERFACE FOR RECONNECTION**

- Built for low-literacy and accessibility
- Empowers refugees to build detailed profiles
- Utilizes AI-driven matching algorithms



## Posters and Pamphlets **OFFLINE AWARENESS BUILDING**

- Raises awareness
- Communicates key service information
- Encourages participation through visibility



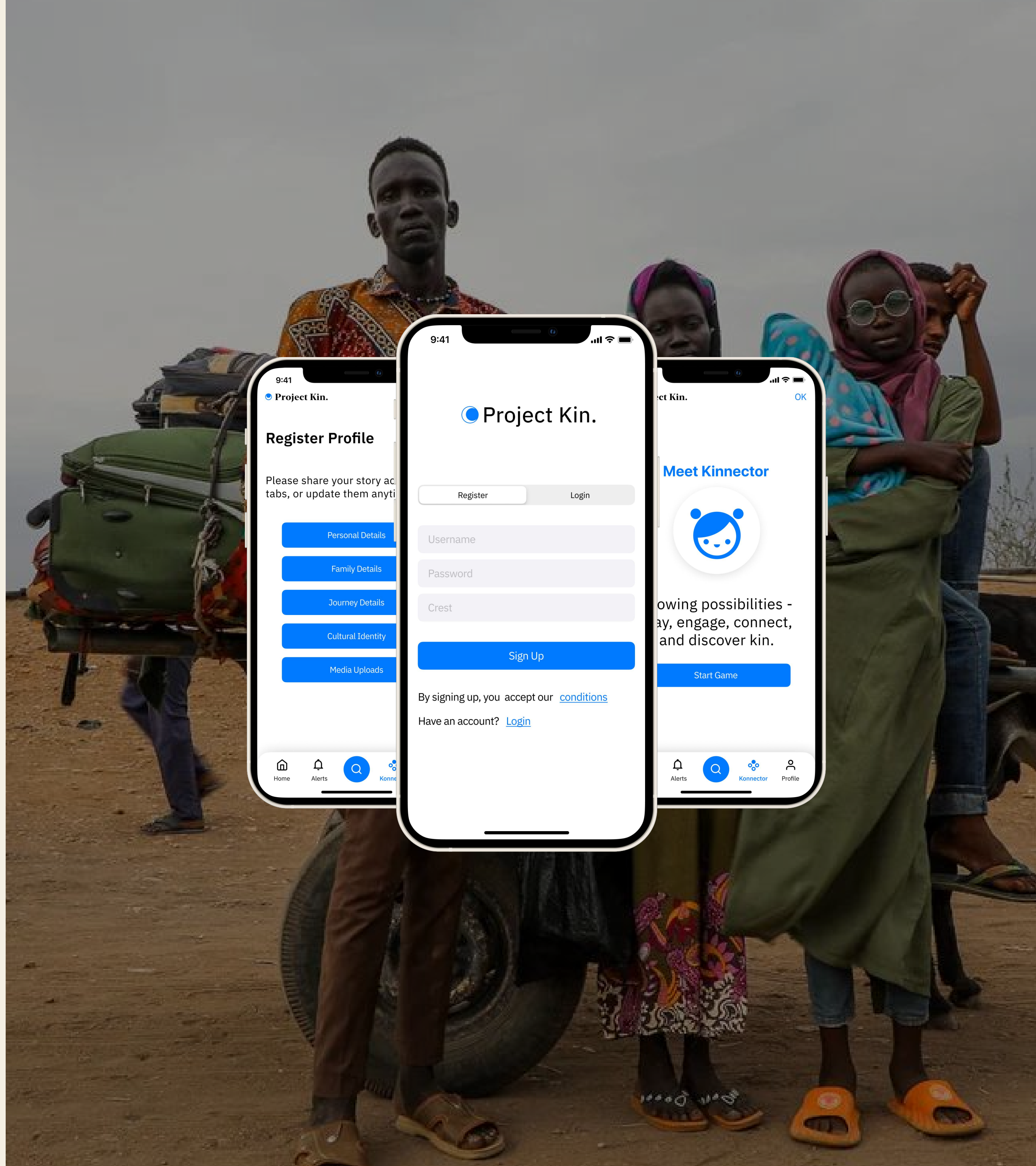
## Session Plan/Training Module **CAPACITY BUILDING FOR STAKEHOLDERS**

- Equips leaders and workers with facilitation skills
- Provides structured implementation approach
- Ensures consistent, quality service delivery



# Project Kin.

The first accessible, refugee-focused platform empowering displaced individuals to find their kin through cultural identity and memory sharing, now with expanded culturally rooted identifying factors, all while ensuring privacy in reconnecting separated families.

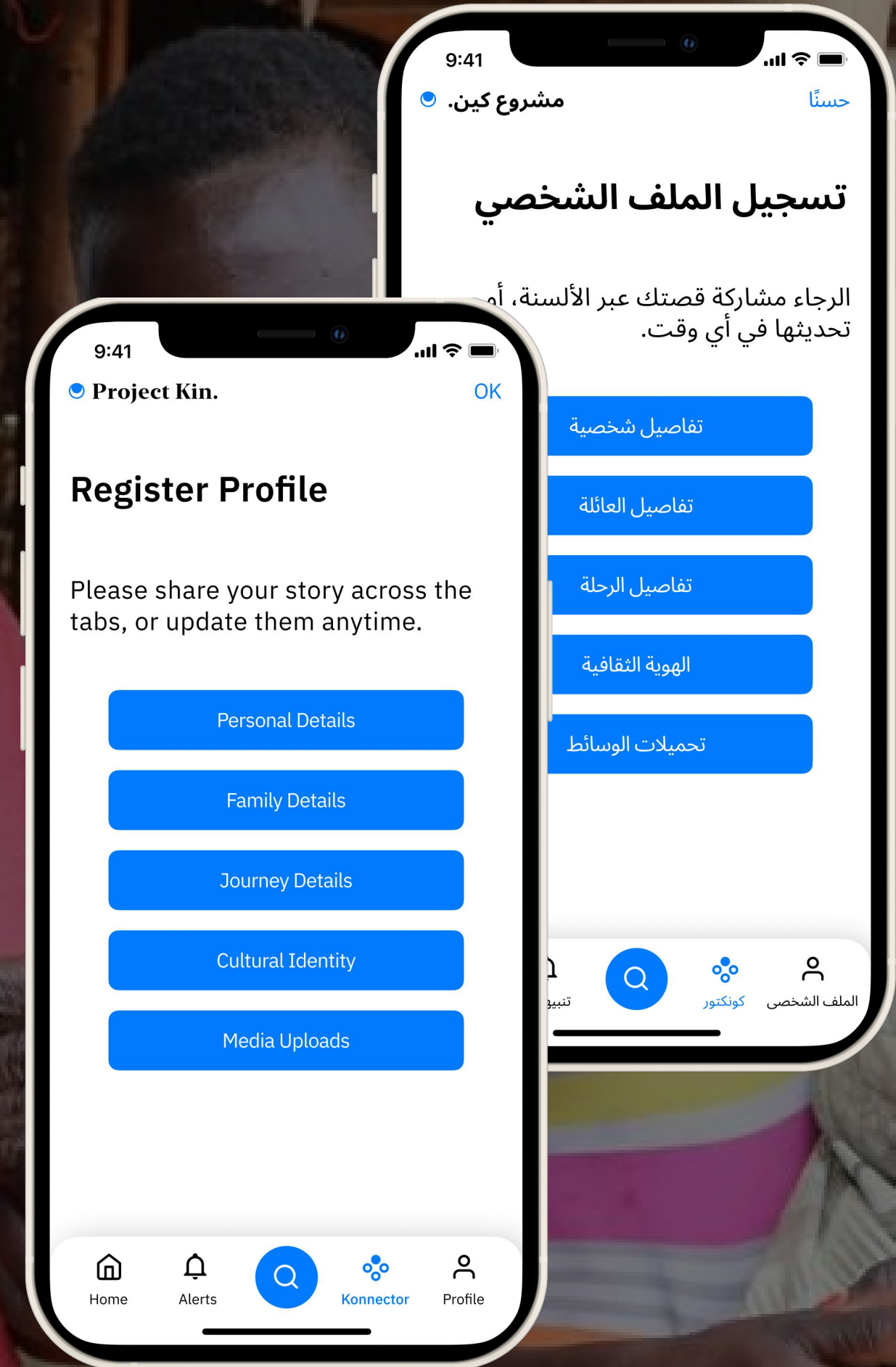
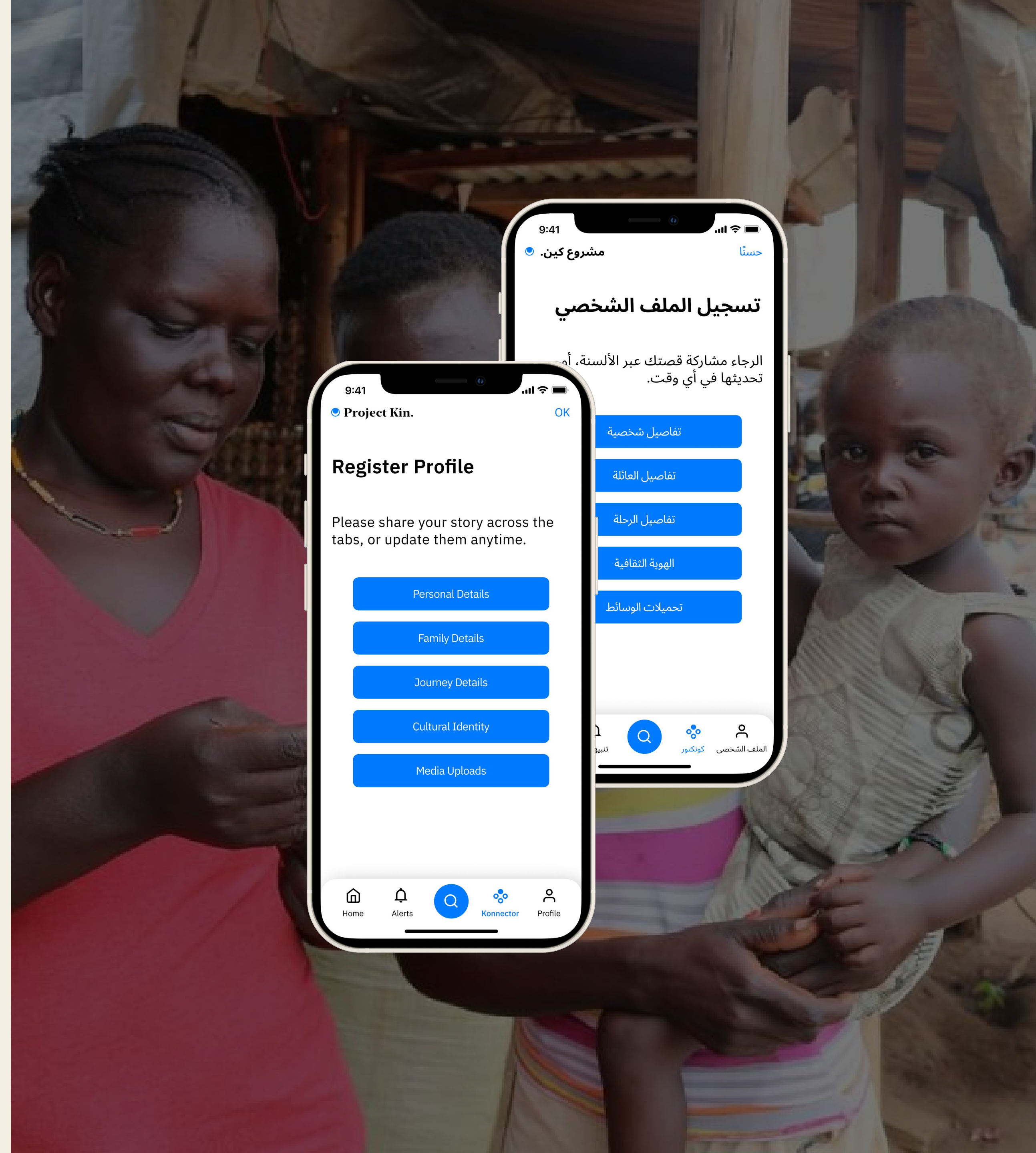




# How it Works



Create detailed personal profiles of **identifiers, stories, and cultural data**

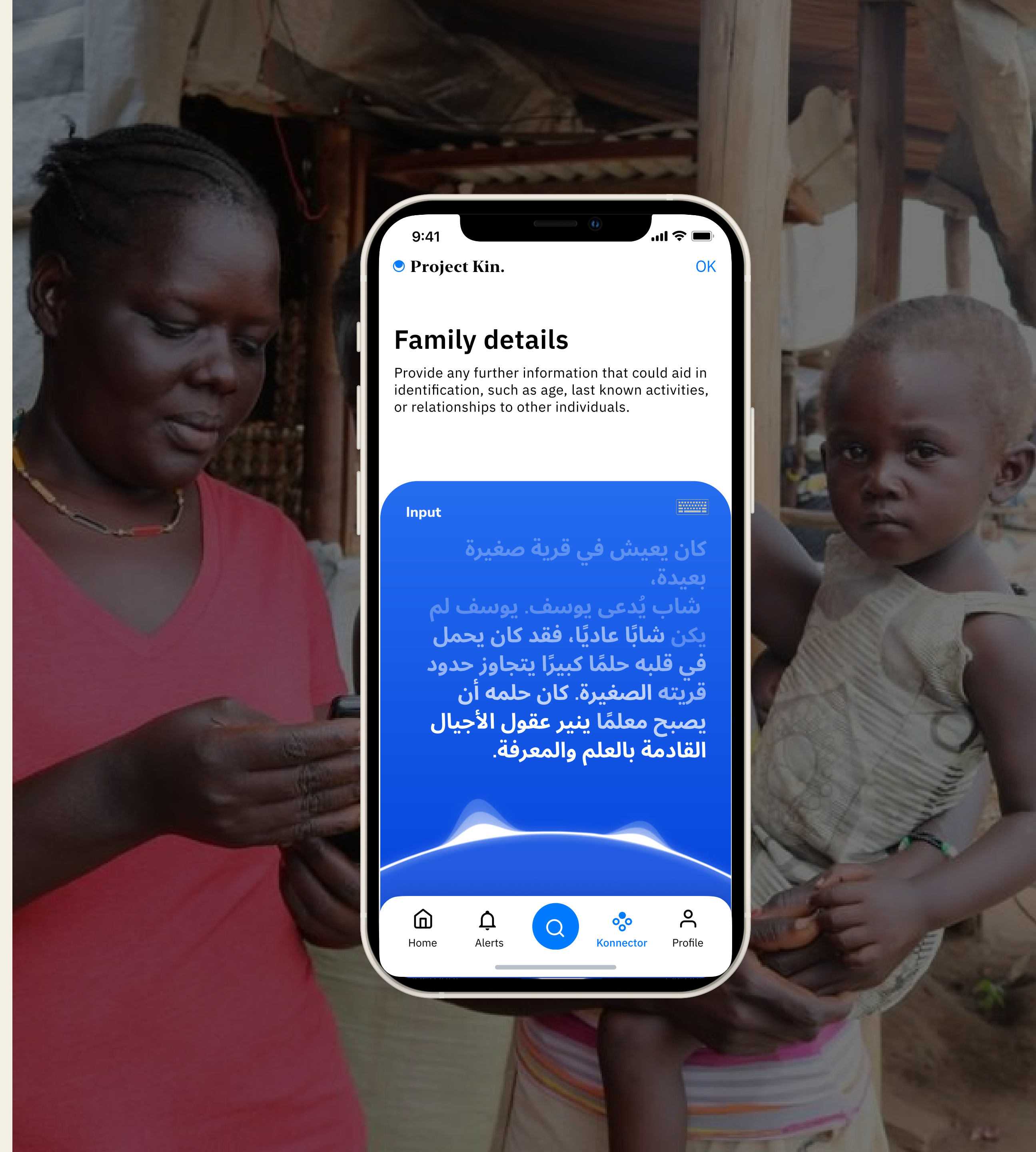




# How it Works



Create detailed personal profiles of **identifiers, stories, and cultural data**





# How it Works



Create detailed personal profiles of **identifiers, stories, and cultural data**



**Gamifying questions aid profile-building** to better matchmaking

