



Yashraj Wadalkar  
**Portfolio**

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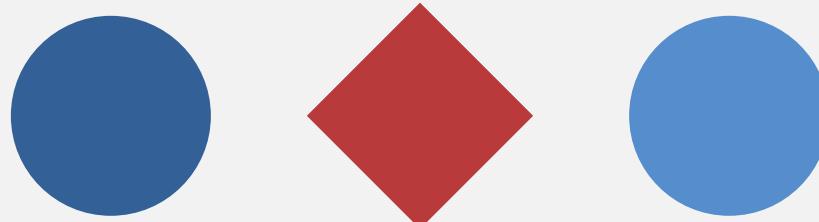


or



Tilt your phone to **landscape**

Set zoom to **50%** on desktop



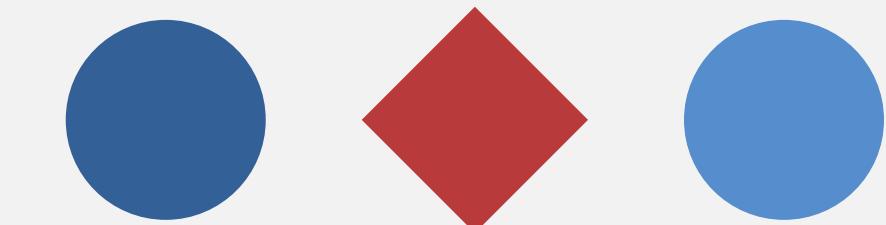


Hello!! I'm  
**Yashraj Wadalkar**

I'm a researcher, systems-thinker, user-experience designer, and a storyteller. I specialize in research and building new systems, services with a systems-oriented design approach keeping the most vulnerable among us at the focus.

I come from MIT Institute Of Design, Pune. I'm 20, and currently in the 3rd Year of my professional design education course. I am a trained user-experience designer proficient in low fidelity and high-fidelity wire-framing, prototyping, user-research, user interface design, usability-testing, and front-end development.

Apart from this I write and direct plays, short-stories, and ready for doing anything related to storytelling.



# My Work

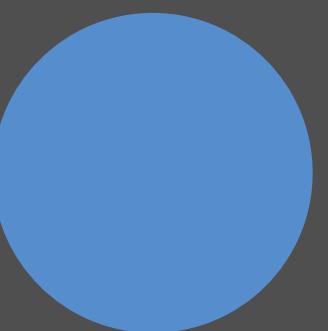
I have divided the work I have done into three parts, as follows.



Systems Design

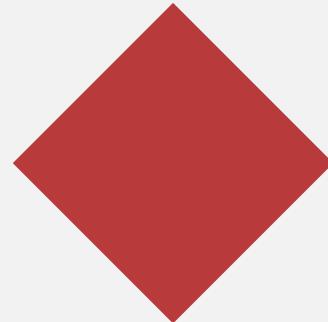


User Experience Design



Internships & Other Projects

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## Systems Thinking and Design

1. **PACT Analysis** | Pune Mahanirvan Parivahan Mahamandal Ltd (PMPML)
2. **P-Indicator Redesign** | Redesigning Transportation Access mechanisms
3. **Retelling Of Narratives** to Harbour change in the attitudes of people
4. **Savitri** | Rethinking Indian Education Systems With Low/Non-Tech Alternatives
5. Paper selected for publishing | **Institutionalizing Individual development through child-centered mechanisms in Indian Residential childcare NGOs**
6. **Statistical Data Analysis** of Water Usage Patterns in Urban Indian Households
7. **UML diagrams** | Interoperability Framework for e-Governance to ensure efficient service delivery.
8. **Gigamap** | Meanings of the meaning of life

**CLICK ON ANY HEADING TO DIRECTLY JUMP TO THE PROJECT!!**

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## User Experience Design

1. Amazon Kindle App Redesign
2. United Left Front Website

CLICK ON ANY HEADING TO DIRECTLY JUMP TO THE PROJECT!!

# Table of Contents

## Internships & Other Projects

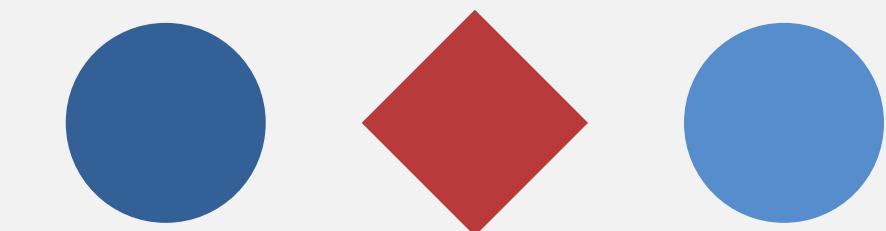
1. Safe.T | Lifespark Technologies
2. HRMS Software | Shram ev Bharat

CLICK ON ANY HEADING TO DIRECTLY JUMP TO THE PROJECT!!

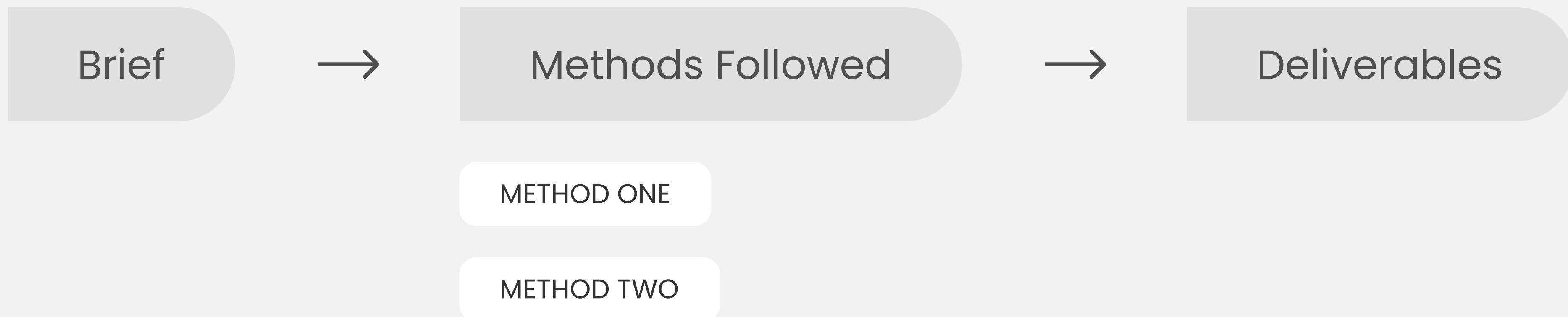
# How to navigate

I have presented every project in three parts as follows

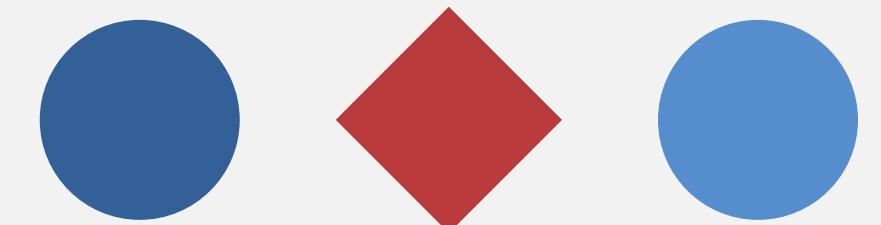
- 1** **Introduction about the project** | What to expect.
- 2** **Explanation** | Overview & Insights.
- 3** **Deliverables** | What was done.



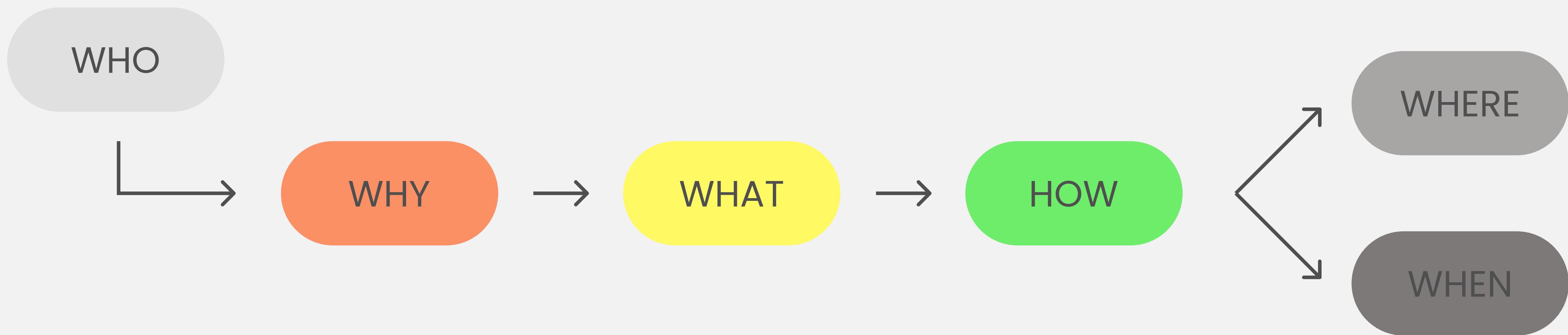
# How to navigate



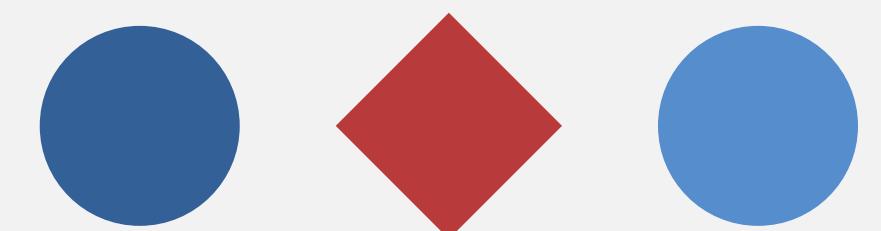
1 Introduction about the project | What to expect.

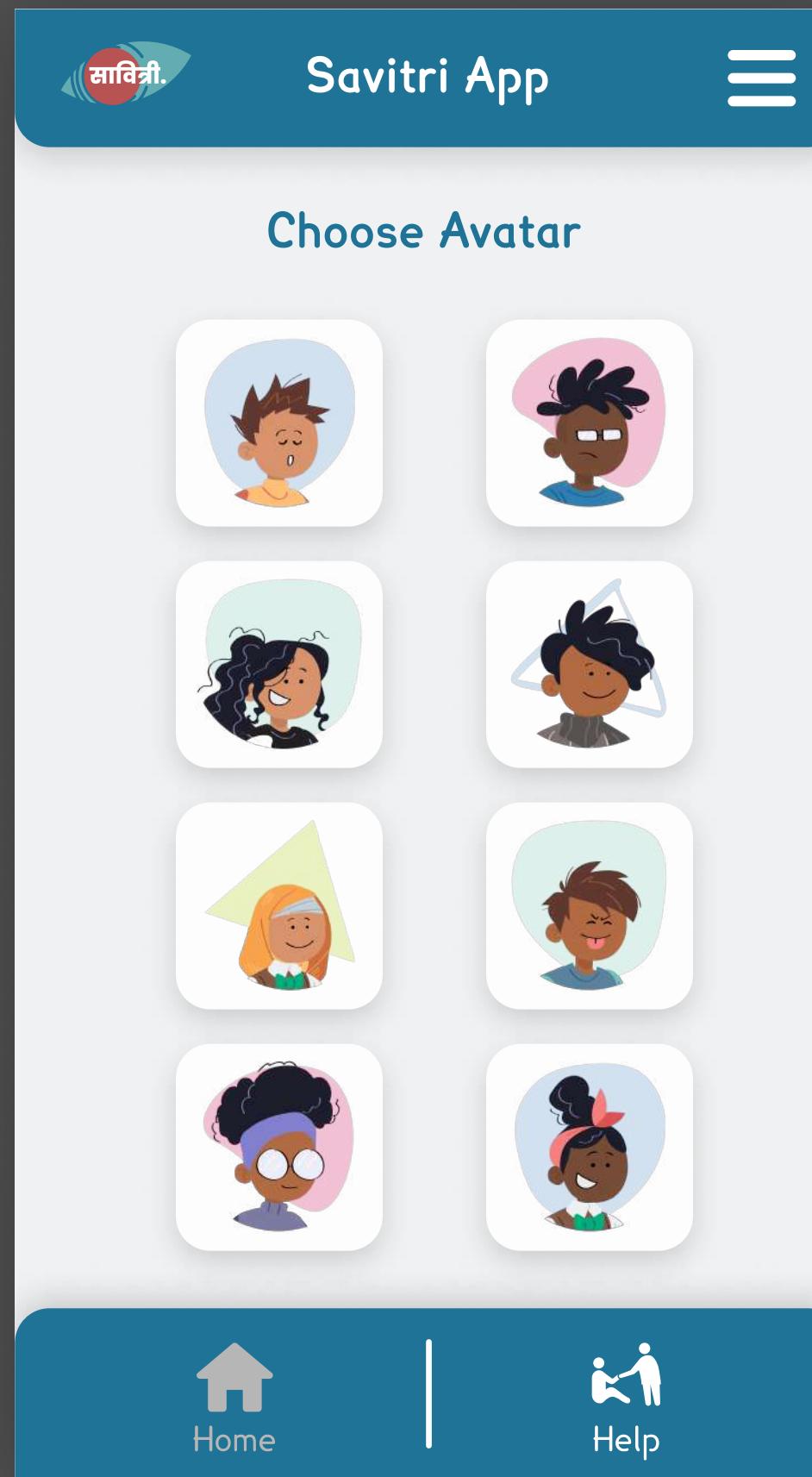


# How to navigate



**2** Explanation | Overview & Insights.





# How to navigate

## DELIVERABLE EXAMPLES

Deliverables | What was done. **3**

# My Work

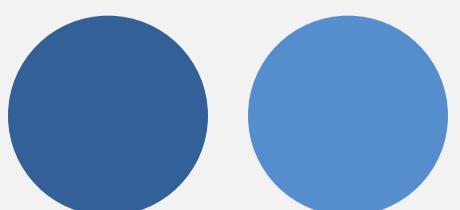
## Systems Design

I come from a place where I put in efforts to work against the ideas of solution-ism, and "problem-solving". I approach my work from a systems perspective. An essential part is to look at the nuanced realities of the wicked problems that exist in our society today. Understand the nuanced realities, listen closely to the stories of people, genuinely take efforts to understand them.

People, isn't all of this effort for them?

Then building and developing systemic solutions, participating with the people facing the issue.

I work in the complicated intersectionalities of the problems that plague the society, and it is all a minimal effort to create the smallest of impacts.



# PACT Analysis | Pune Mahanirvan Parivahan Mahamandal Ltd (PMPML)

## Brief

Perform PACT analysis for an organisation and document the observations observed. Identify the stakeholders, and find the gaps, provide insights.

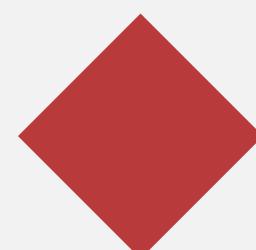
## Methods Followed

USER INTERVIEWS

DESK RESEARCH

## Deliverables

- PACT analysis observations and insights observed on a chart paper



# PACT Analysis | Pune Mahanirvan Parivahan Mahamandal Ltd (PMPML)

WHO

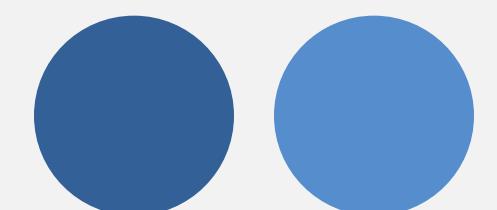
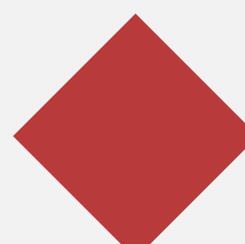
WHY

WHAT

ANYONE WHO  
WANT TO  
UNDERSTAND  
PMPML  
ORGANISATION  
AND ITS  
COMPLEXITIES

- PMPML is the organisation that runs the bus network in the PMR region that provides bus service to a population of 31 Lakhs.
- PMPML is notorious for its inefficiencies, and lacks in providing a comfortable, efficient, transportation to its commuters.
- **"Buses represent democracy in action,"** PMPML is the only source of transportation for a large portion of the population, facing the brunt of the inefficiencies.

- **PACT Analysis** was performed to understand the People, Activities, Context, and Technologies used.
- We visited the organisations multiple times, and interacted with the people to understand the problems they face, and gaps they observe.
- Apart from that, a lot of secondary research had to be conducted in order to breakdown the organisations and its functions.



# PACT Analysis | Pune Mahanirvan Parivahan Mahamandal Ltd (PMPML)

HOW

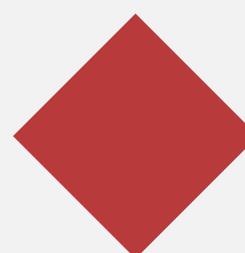
- What we did was, firstly observed, the People of the organisation, understood what Activities and roles they had to do, under what Contexts and studied what technologies they had to use for the same.
- We separated the organisation into two fronts, Front and Back end, to mark out different activities that they do, on the outside to provide service and inner workings.
- Further we marked and mapped our different observations findings, and marked different relationships that exist to identify gaps and problems.

WHERE

- The interviews were conducted at PMPML HQ at Swargate, Pune.
- The interventions suggested could be implemented in the form of an application

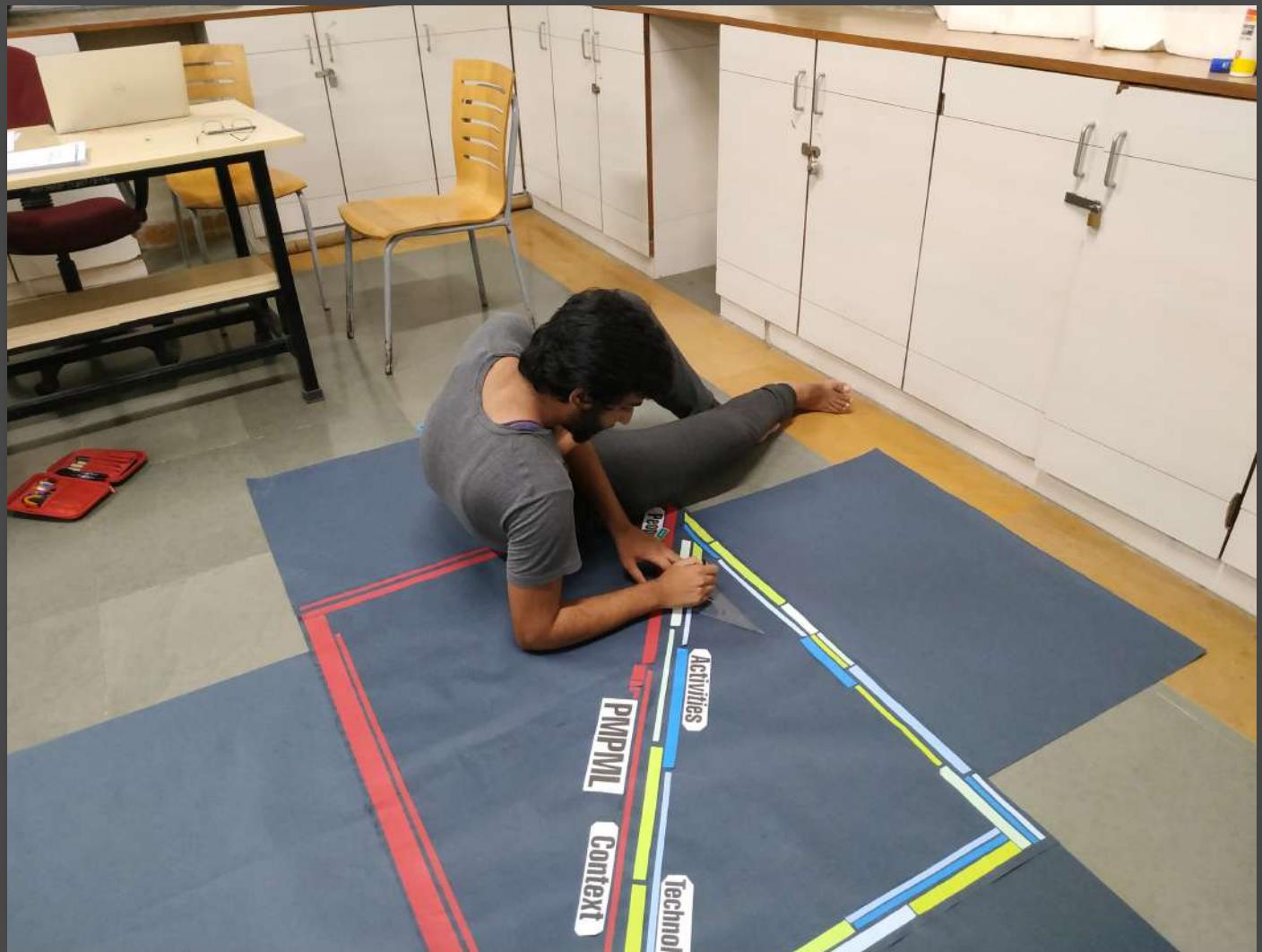
WHEN

- The study was conducted in the months of September-October 2019.



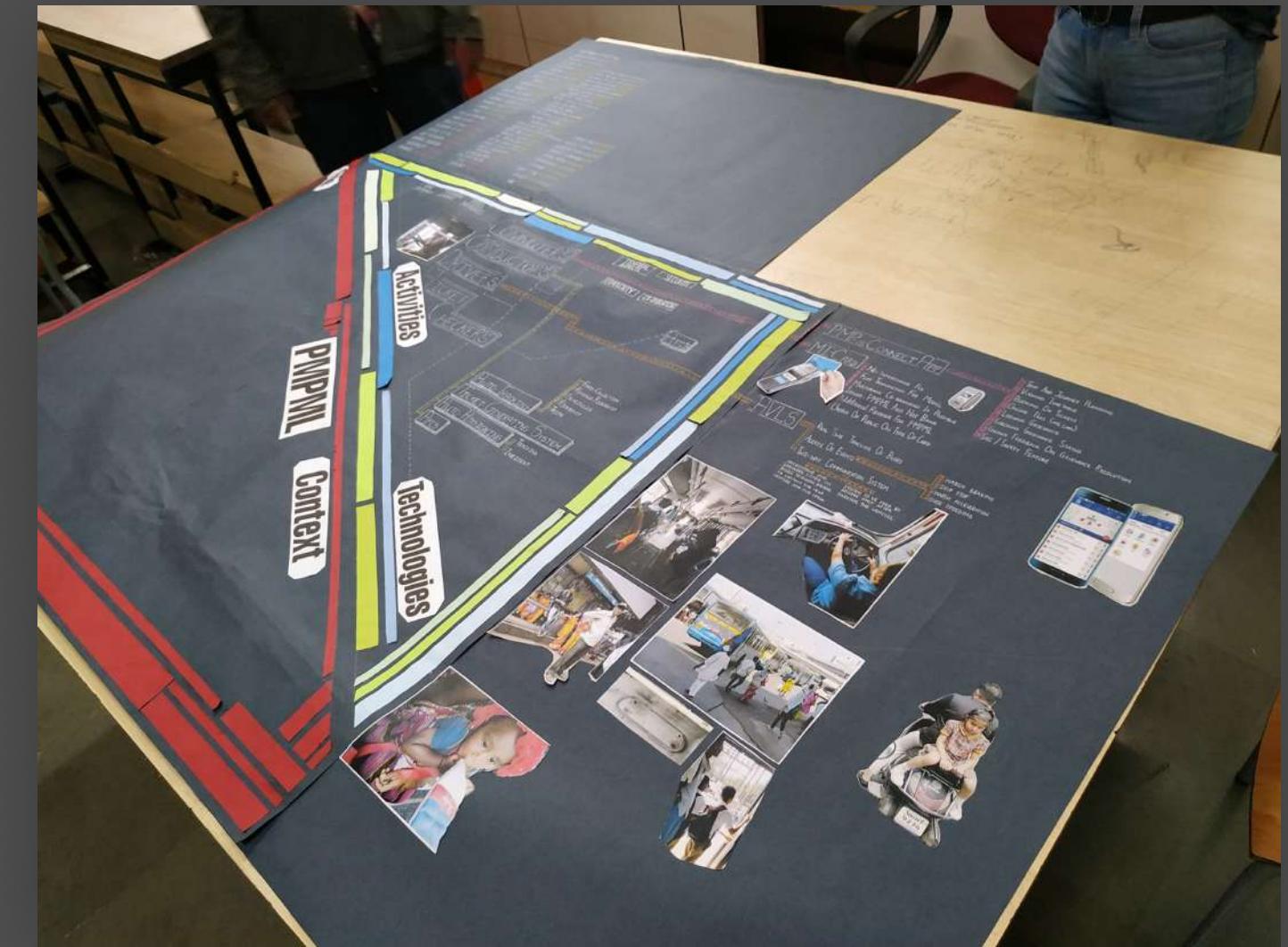
# PACT Analysis | Pune Mahanirvan Parivahan Mahamandal Ltd (PMPML)

## PROCESS & PROGRESS



Dividing the organisation's activities across front and back end.

We divided the chart into one core, and four subsequent areas to divide and display the information



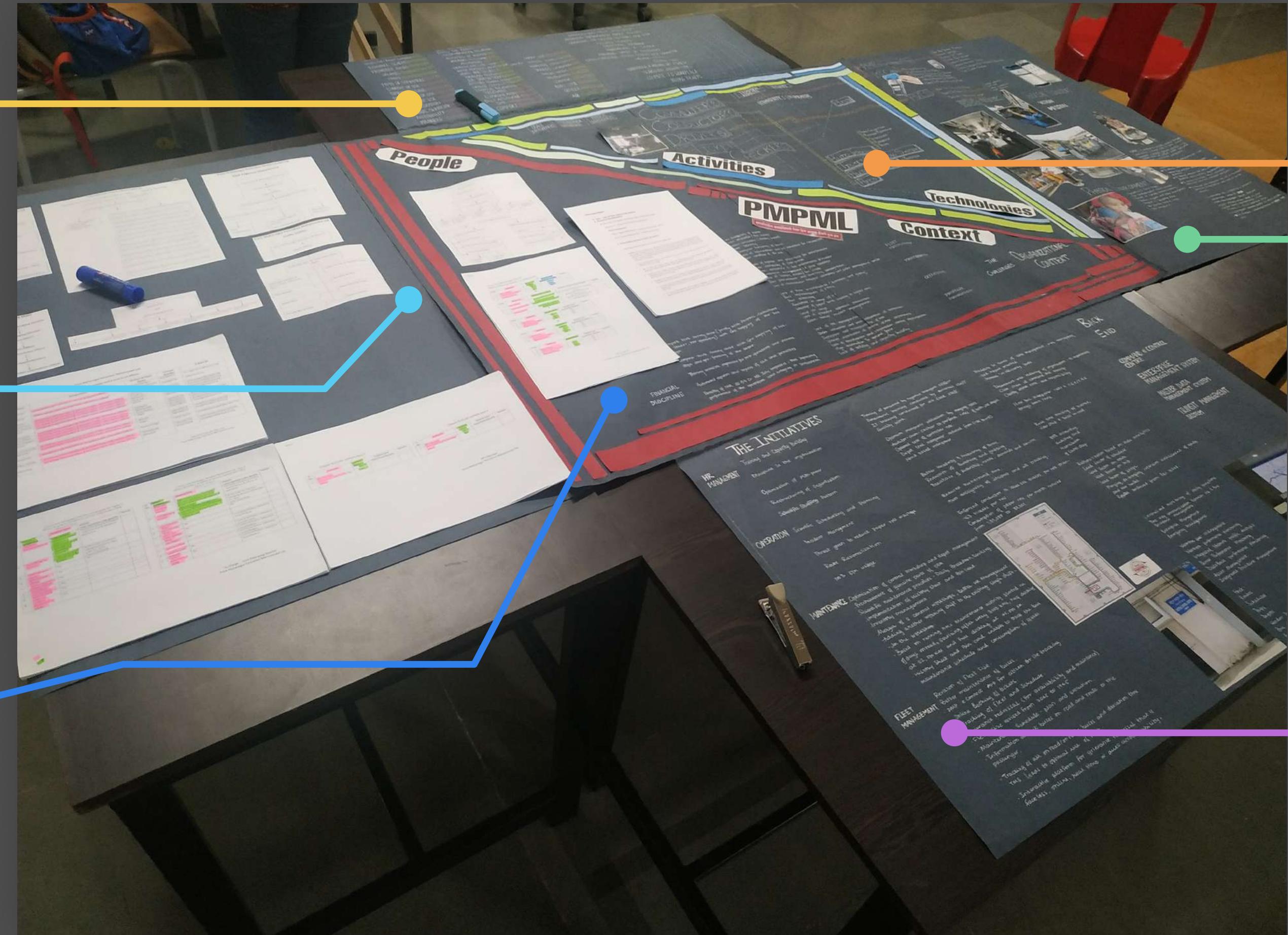
Attaching our observations and different scenarios we observed.

# PACT Analysis | Pune Mahanirvan Parivahan Mahamandal Ltd (PMPML)

The people of the organisation on the front-end and their relations and dynamics

People and the activities that they need to undergo, across financial, organisational, misc responsibilities

The observations here include activities performed by individuals across different departments under what Contexts



## FINAL DELIVERABLE

The four major characters observed :  
- CONDUCTORS  
- DRIVERS  
- COMMUTERS  
- TICKET CHECKERS

On the front end, for the commuters' activities what technologies play an important role

An analysis of the technologies and the contexts that they are required in, with the observed

# P-Indicator Redesign | Redesigning Transportation Access mechanisms

## Brief

Redesign p-Indicator, with a focus on integration of the application with the ground realities of the Pune-Metropolitan-Region's transportation infrastructure.

How can the application provide power to the commuter ?  
How can the application serve as the carrier to drastically increase the ridership of the public transportation of the PMR region.

## Methods Followed

DESK RESEARCH

LEAN - UX CANVAS

USER INTERVIEWS

STORYBOARDING

COMPETATIVE MATRIX

USER-FLOW

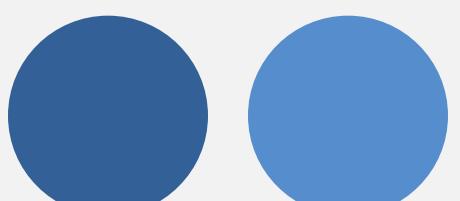
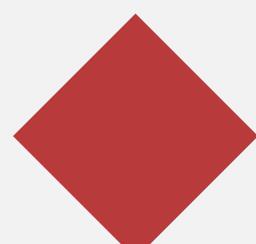
LOW-FIDELITY WIREFRAMES

PERSONAS

HIGH-FIDELITY PROTOTYPES

## Deliverables

- High Fidelity Interactive prototype of the application
- Guidelines for the workings of the application in the environment



# P-Indicator Redesign | Redesigning Transportation Access mechanisms

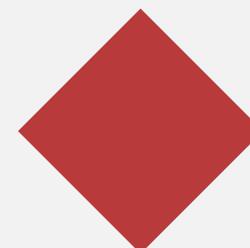
WHO

RESIDENTS OF  
PUNE  
METROPOLITAN  
REGION

COMMUTERS

TRAVELLERS

FREQUENT  
TRAVELLERS

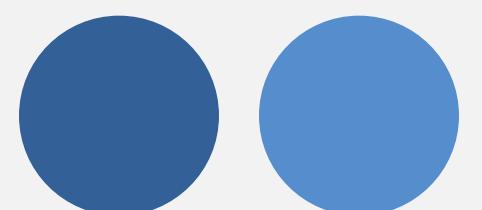


WHY

- 96% of the residents of the Pune Metropolitan Region live within 500 m walkable distance of the PMPML network.
- **Only 12% of trips are made by bus.**
- An accessible public transportation has to become the backbone of the current infrastructure to tackle climate change
- The current infrastructure lacks in providing accessible transportation to Key Regions of Access; like schools, slums, employment centres, and People Near Frequent Transit (PNT).

WHAT

- p-Indicator is the Pune city counterpart of m-Indicator, a public-transport application, with multiple issues.
- The idea was to redesign the complete app with a focus on,
- Multi-Modal transportation : filling the gaps
- Clarity in ETAs
- No person left behind
- Community empowerment : service to local rickshaw drivers & practices
- Device Independent



# P-Indicator Redesign | Redesigning Transportation Access mechanisms

HOW

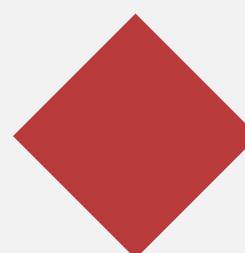
- The app is completely redesigned from the perspective of giving power in the hands of commuters.
- Multi modal transportation ensures end-to-end connectivity with variety of choices so that no-one ever faces delays/disruptions.
- The app ensures that the local transportation practices like the six-seater drivers, and auto drivers are given preference over private aggregators.
- On the consumer end, there is clarity in terms of Expected-Timely-Arrivals, and Real-Time-Updates.
- There is always going to be one/other option available

WHERE

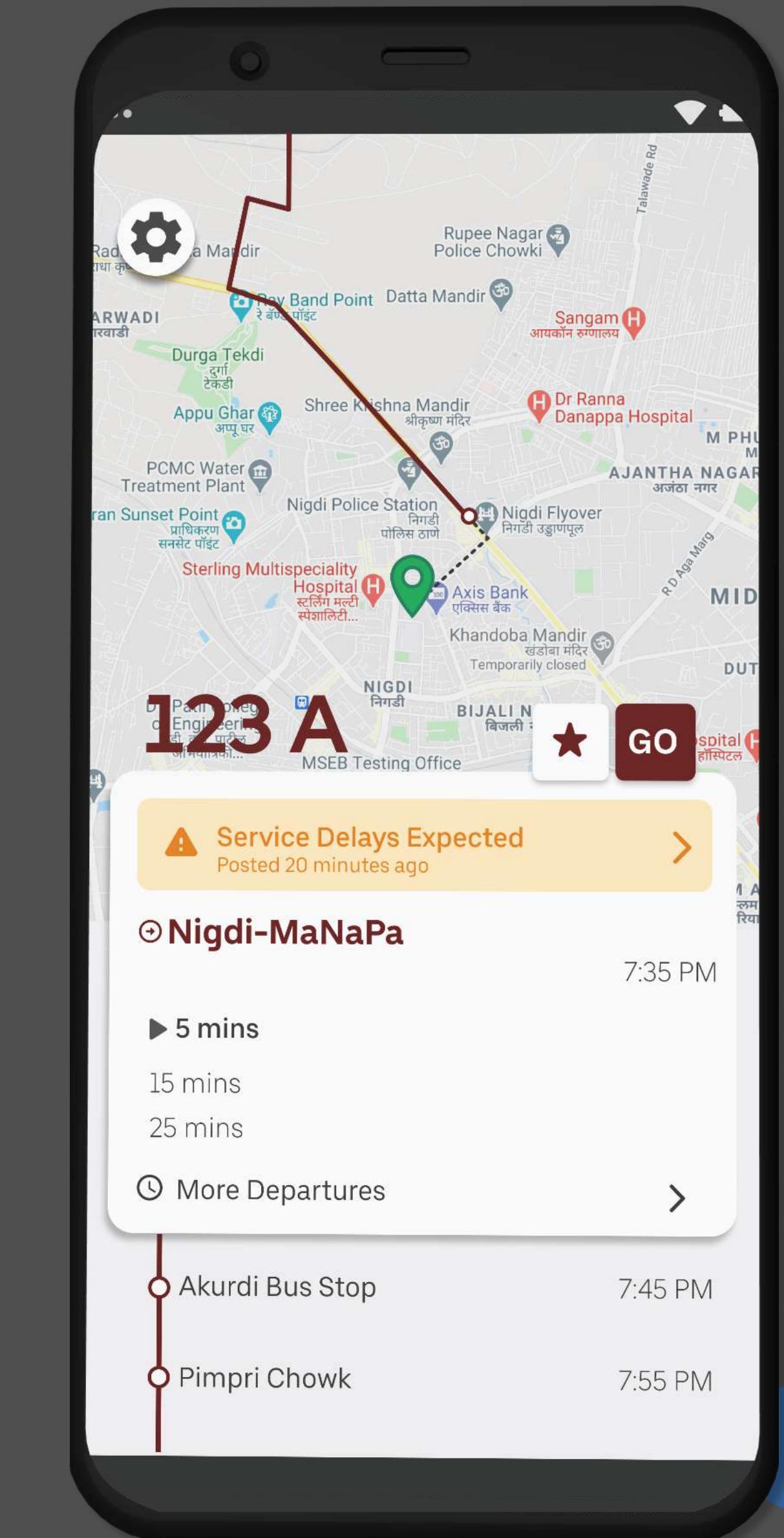
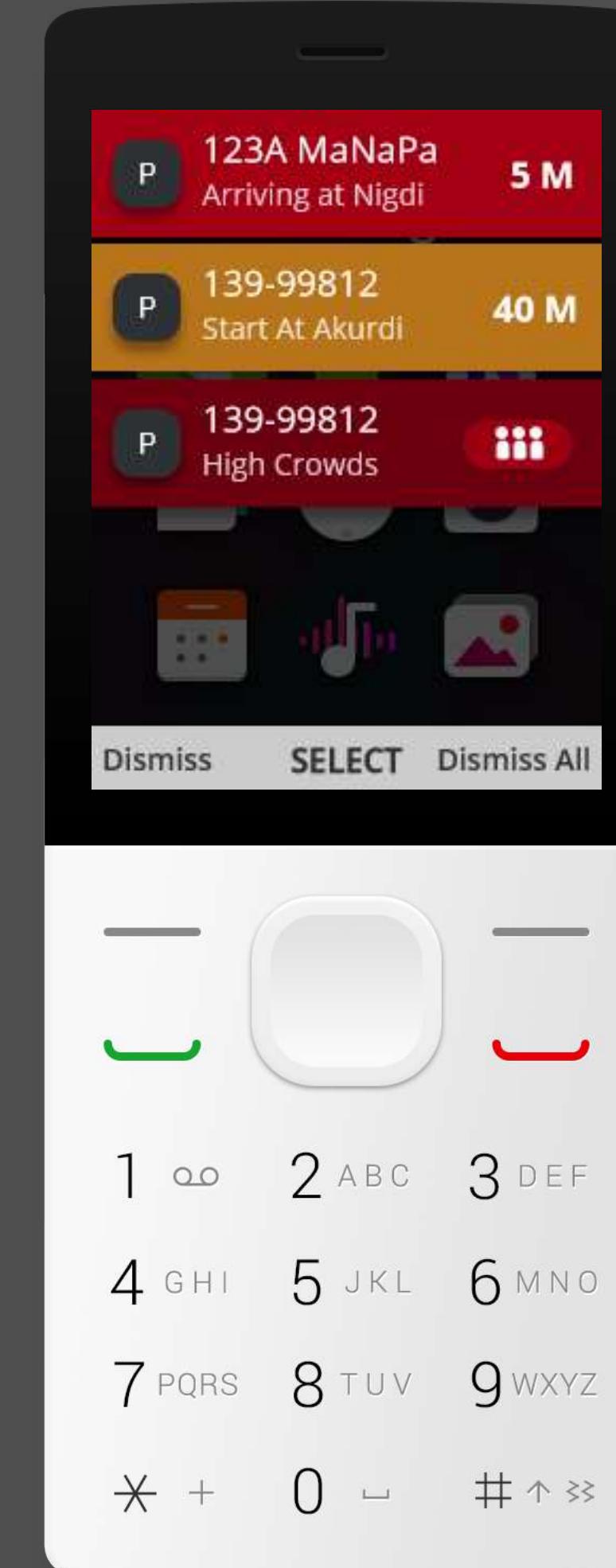
- PMR region from Talegaon to Theur, extreme city limits
- Re-organisation of routes to maximise ridership

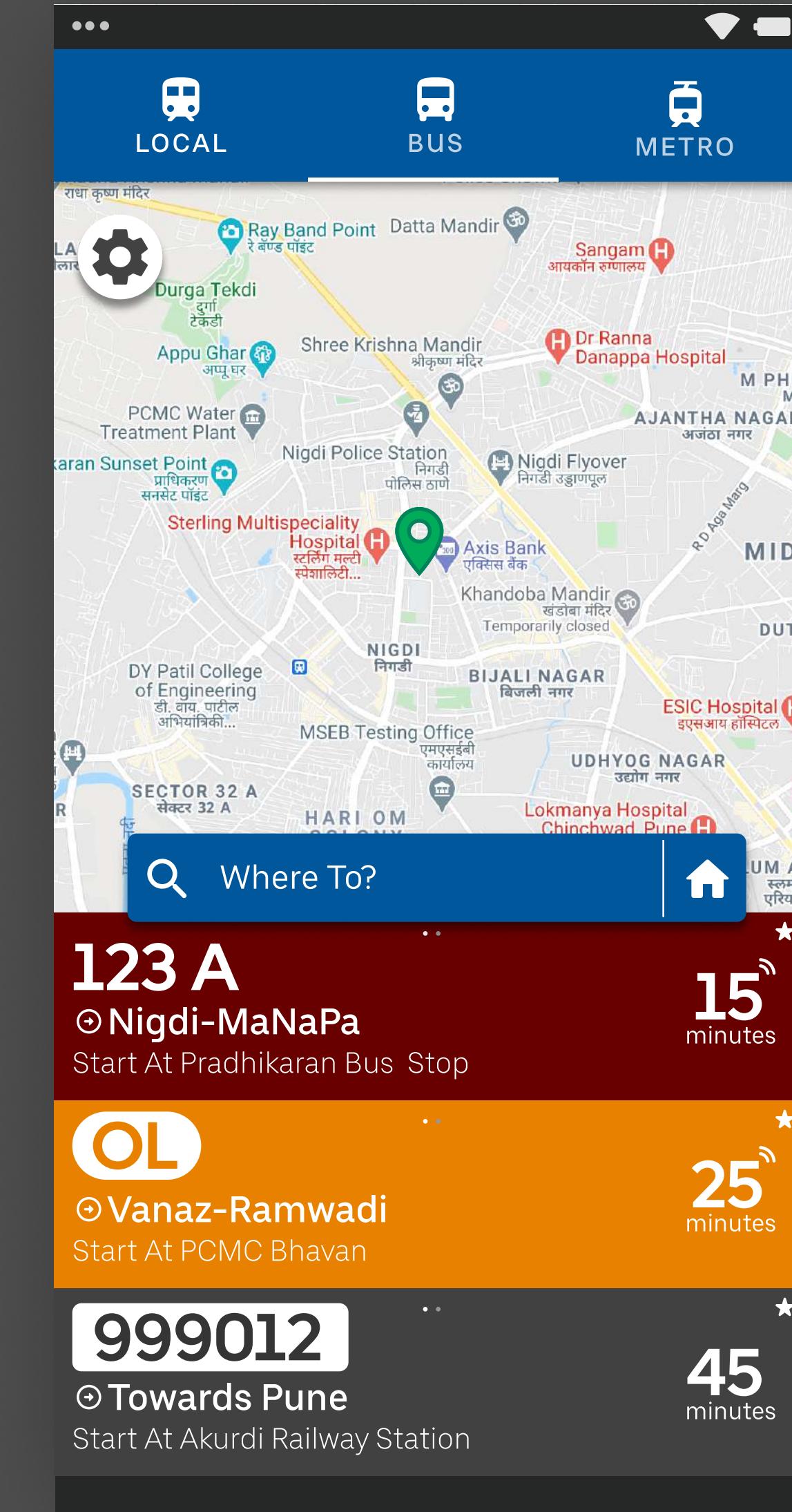
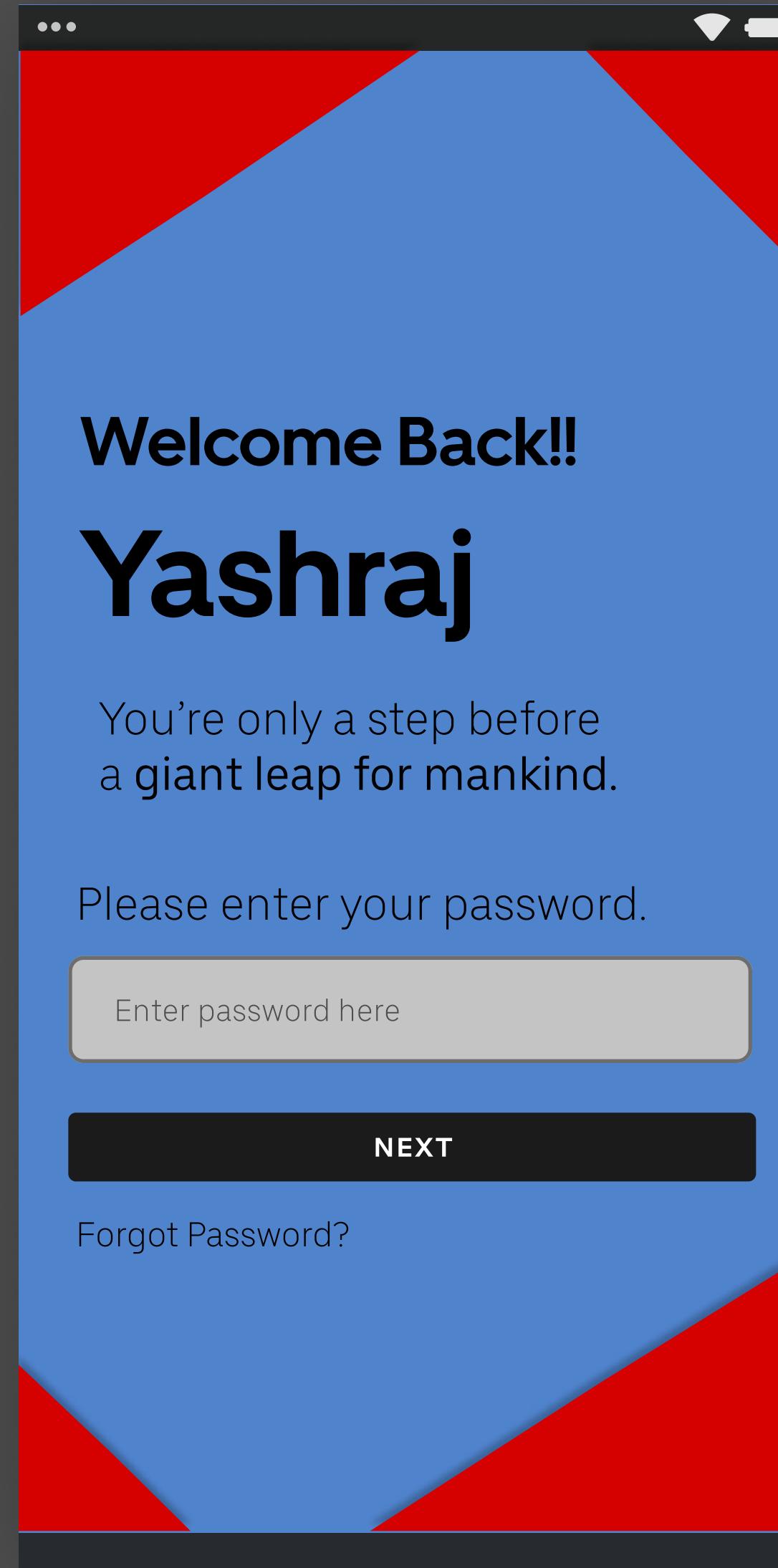
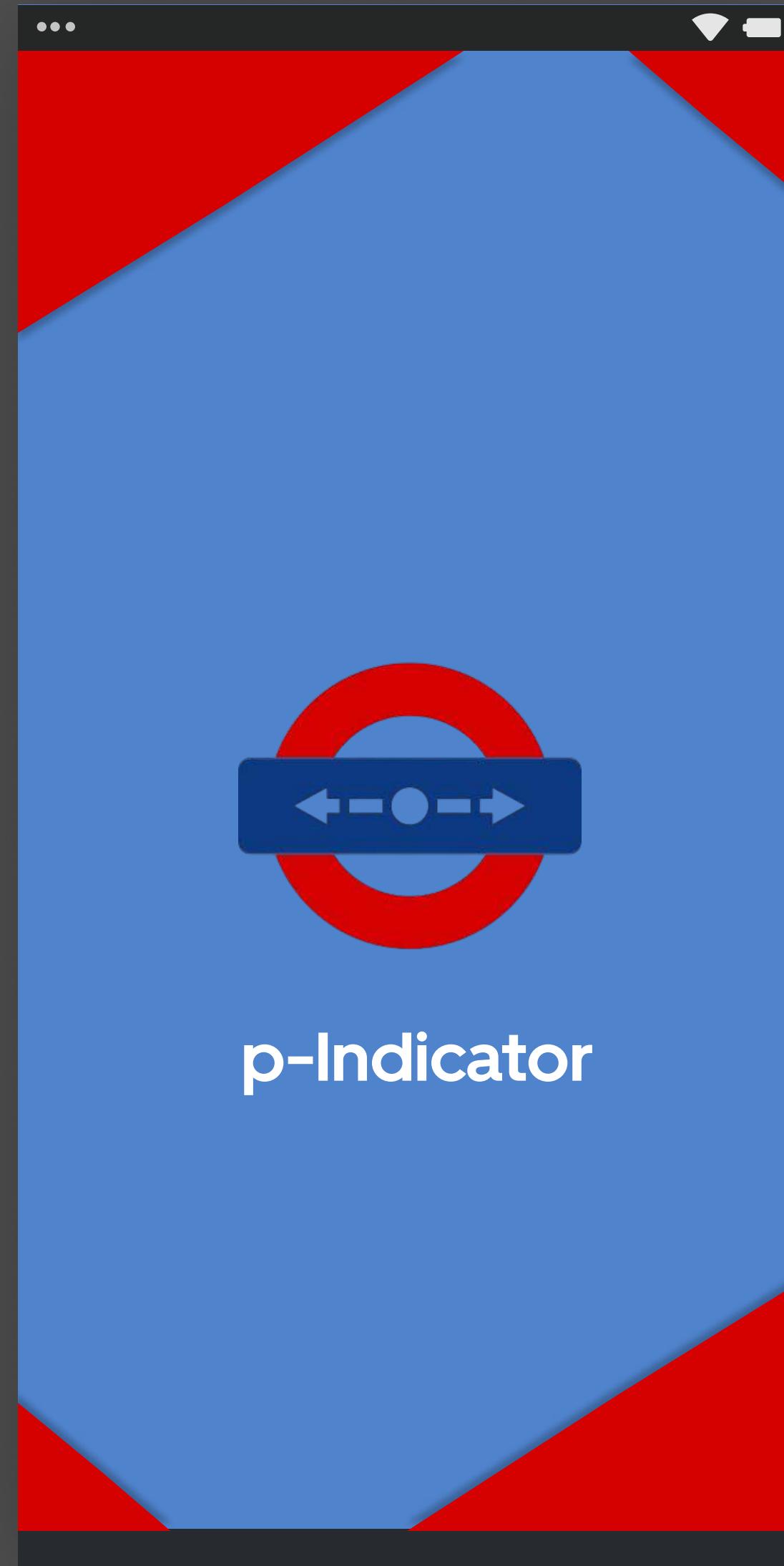
WHEN

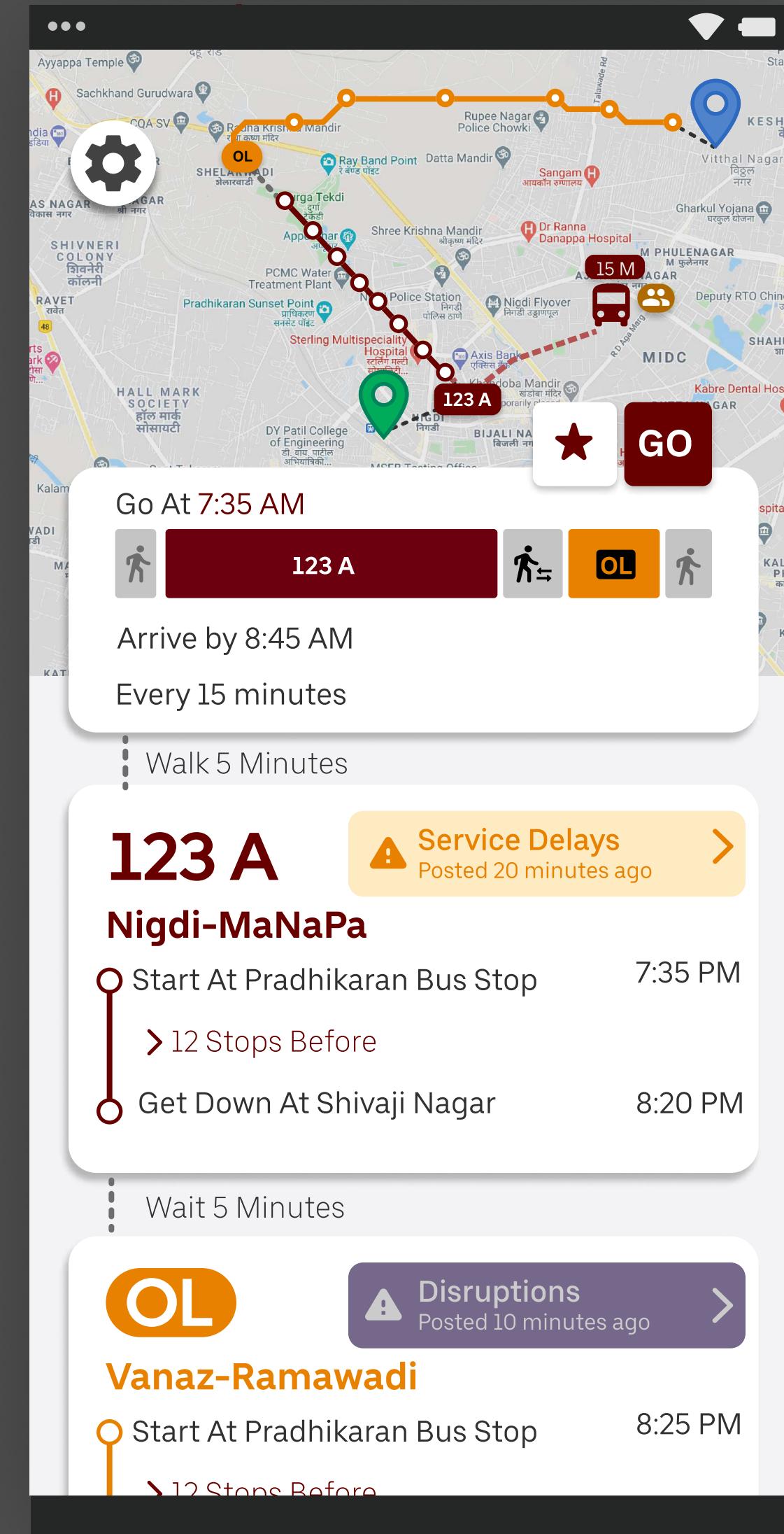
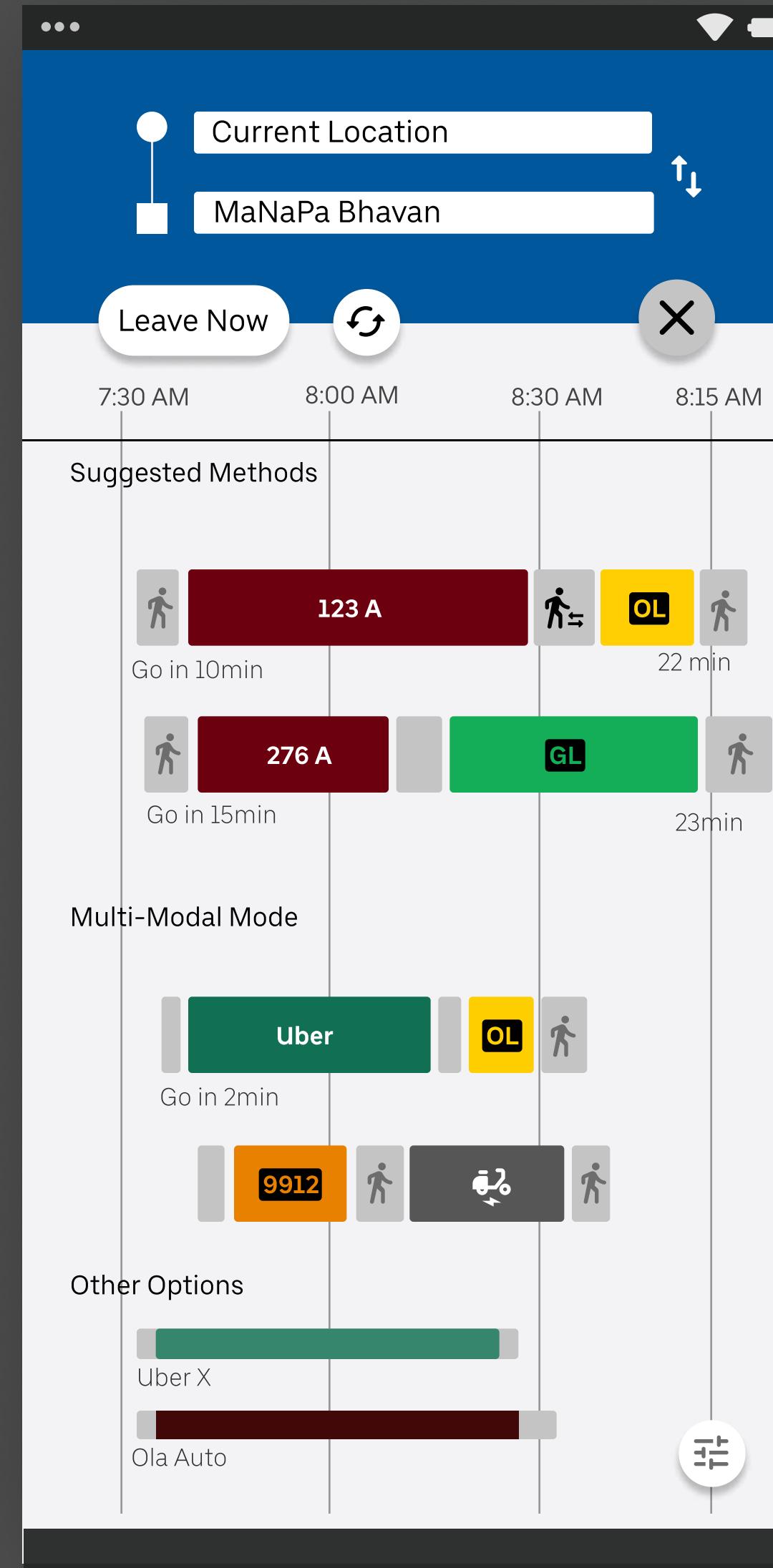
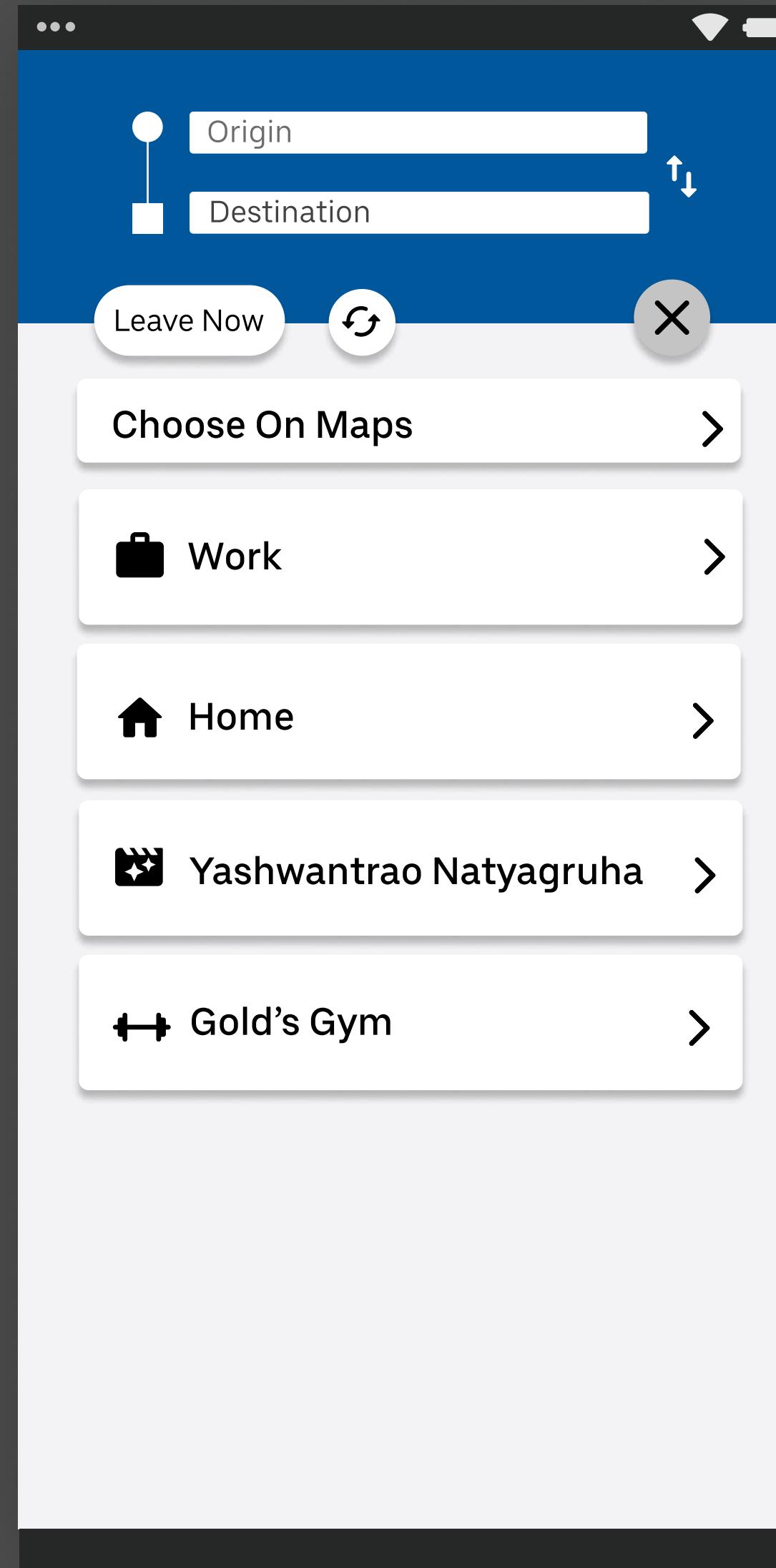
- The project was done in the months of August - September 2020, keeping in mind the constraints of that time

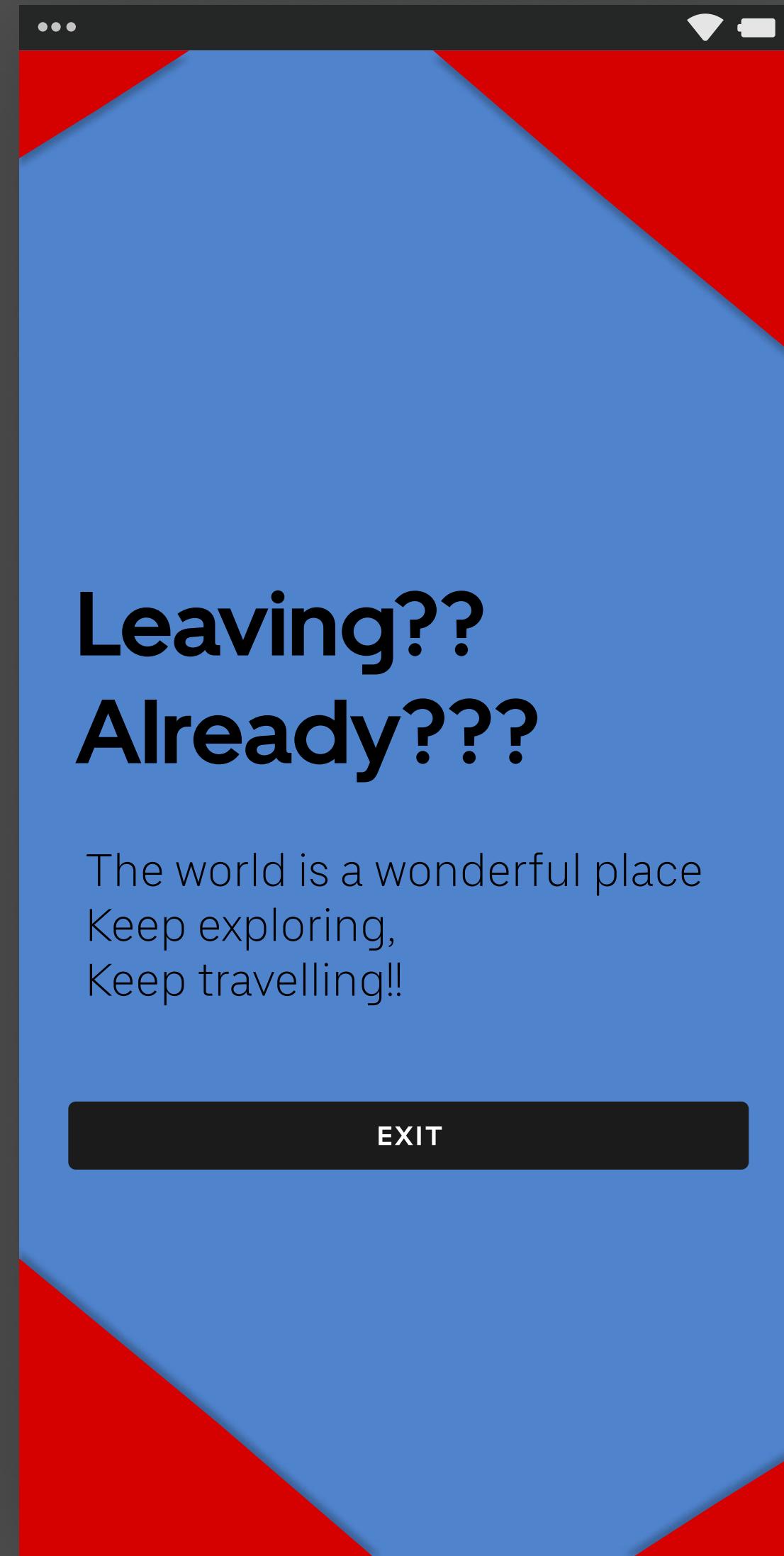
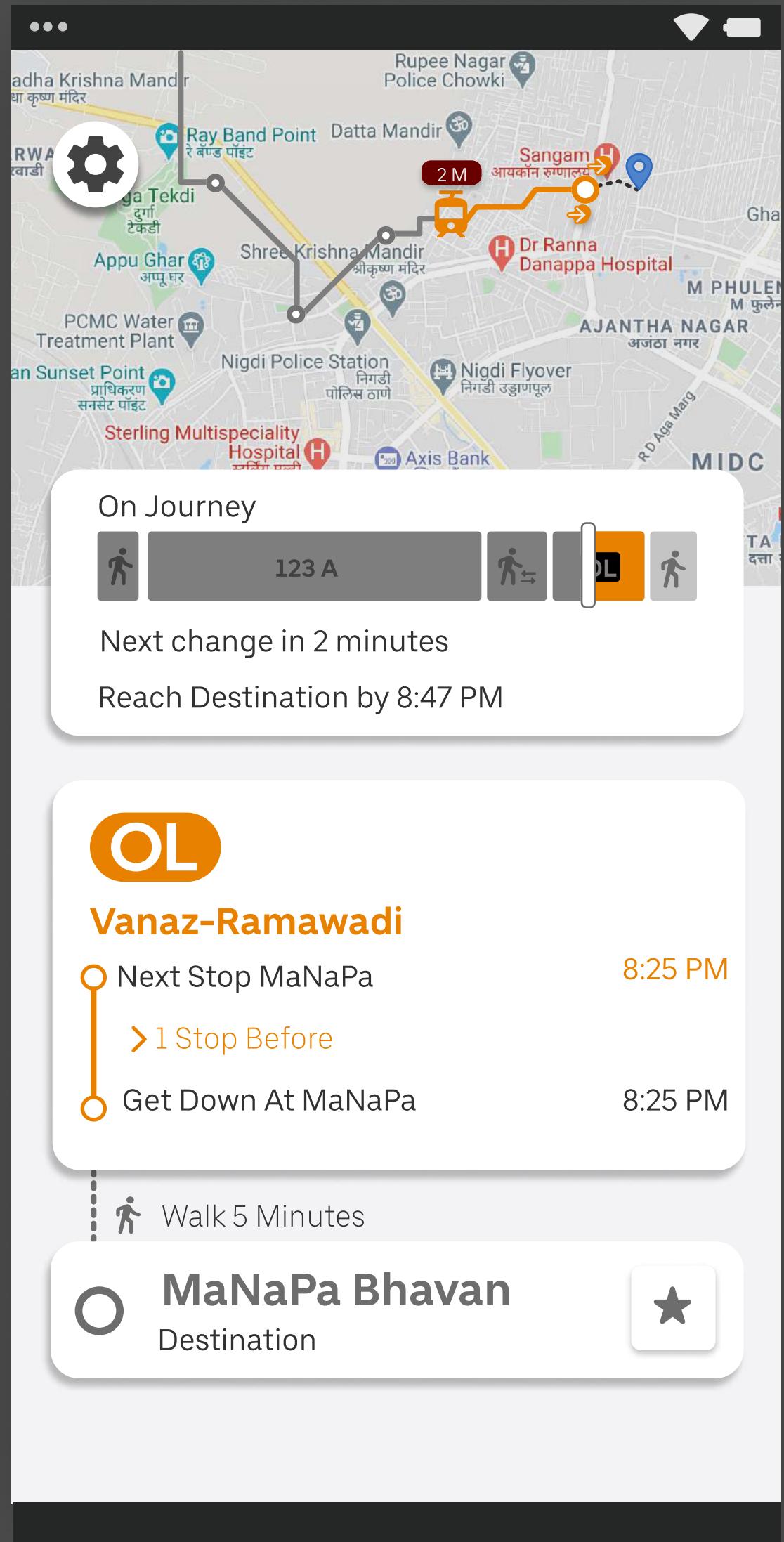
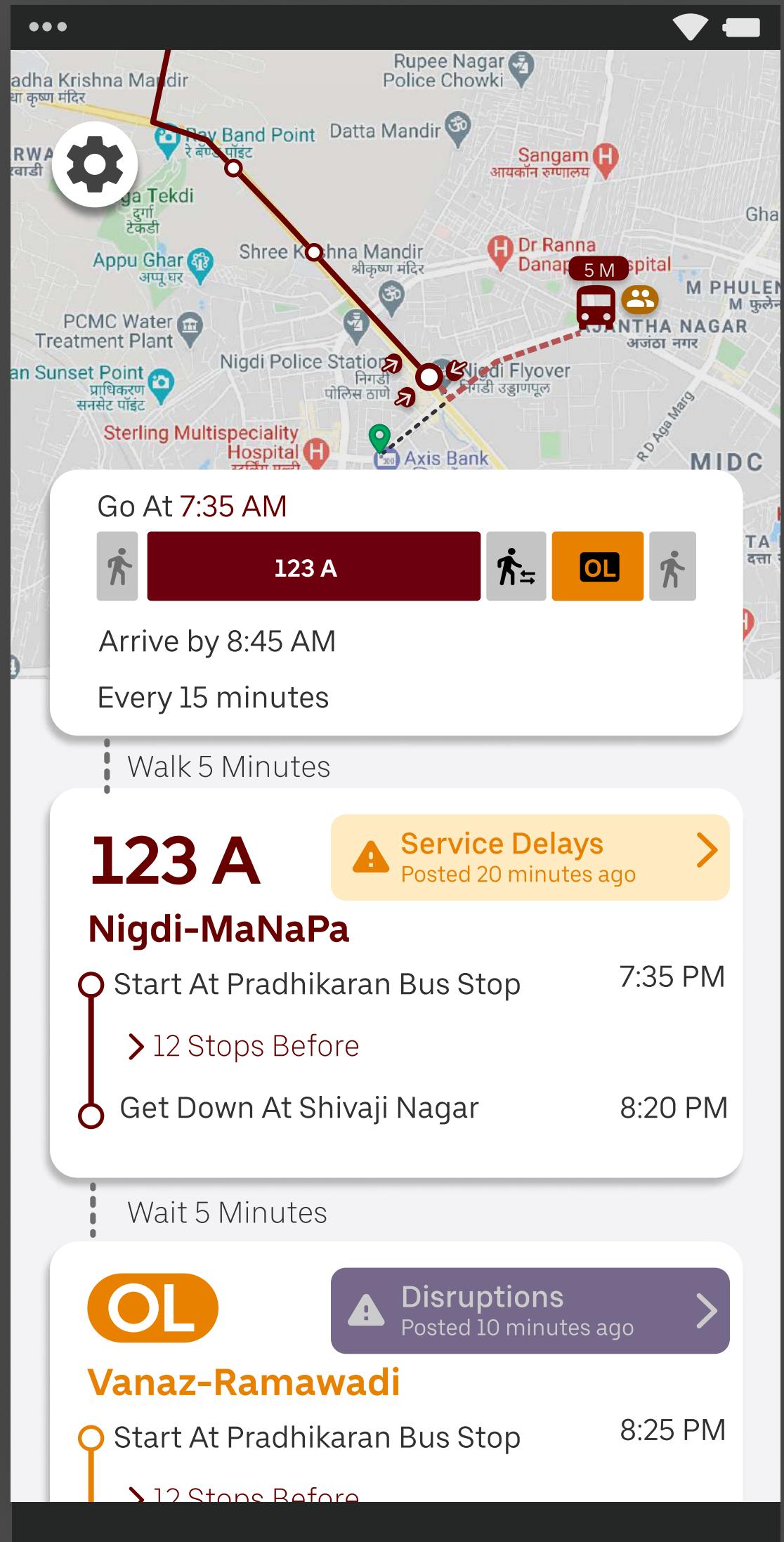


# P-Indicator Redesign | Redesigning Transportation Access mechanisms











## ACCESSIBLE, SIMPLE.

The app would be accessible between different languages for different users according to their choices

*Please click the below link to access the extensive documentation of the project.*

**<http://bit.ly/P-Indicator-Redesign>**

# **Retelling Of Narratives** to Harbour change in the attitudes of people

## Brief

What is the method to create a shift in mindsets of the young girls struggling to secure education in an atmosphere that is not conducive towards education and schooling, through the medium of storytelling and narratives. What is it that can tackle the institutions of patriarchy, right in our households, through manners and means that are not intrusive, and counter-productive.

## Methods Followed

SYSTEMS ANALYSIS

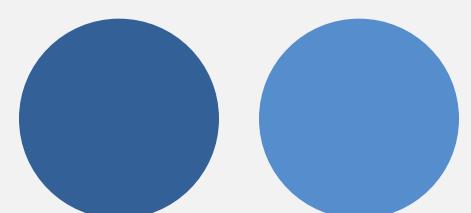
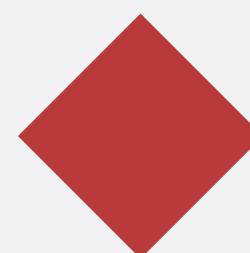
USER INTERVIEWS

LITERATURE REVIEW

ILLUSTRATIONS

## Deliverables

- Illustration and storytelling frameworks to build content for curriculum in Indian context
- Narratives and practices that push individuals to question



# **Retelling Of Narratives** to Harbour change in the attitudes of people

WHO

WHY

WHAT

YOUNG GIRLS

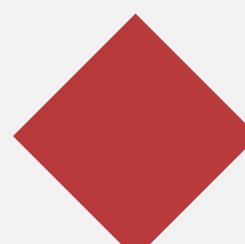
TEENS AND  
TWEENS

- Gender determines who we are and what we will become, the life choices available to us and those we eventually make.

- Our understanding of gender is often based on the family and the society.
- This leads us to think that the roles we see men and women around us play are fixed natural.
- Identities and individuals are built in the minute realities that a person experiences
- It is an ongoing process that needs to be retold, and reformed.

- I sat down and studied the different aspects of Psychology, Gender Studies, and the Education Pedagogy present

- A clear gap was observed in the current infrastructure, that wouldn't provide the required psycho-social, and emotional support
- Storytelling and education to work together to provide the necessary push and inspiration on a sub-conscious levels



# **Retelling Of Narratives** to Harbour change in the attitudes of people

HOW

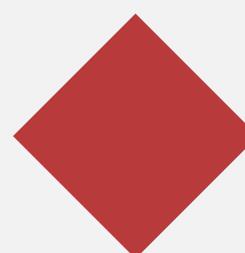
- A presence of a strong personality, a hero is extremely necessary to present the young girls growing up with someone to look upto
- It's an exercise in building personalities and psyche's that are resilient, in an atmosphere that is not conducive for the growth of one
- Including chapters, stories, narratives, and illustrations that glorify women from their own communities have made it big
- It is through providing supplementary education, and resources along with the traditional education methods

WHERE

- Changes in the curriculum to be implemented through localised specific community focused interventions.
- Rural and urban spaces as the primary focus

WHEN

- The work on this project was done during the months of Jan-Feb 2019



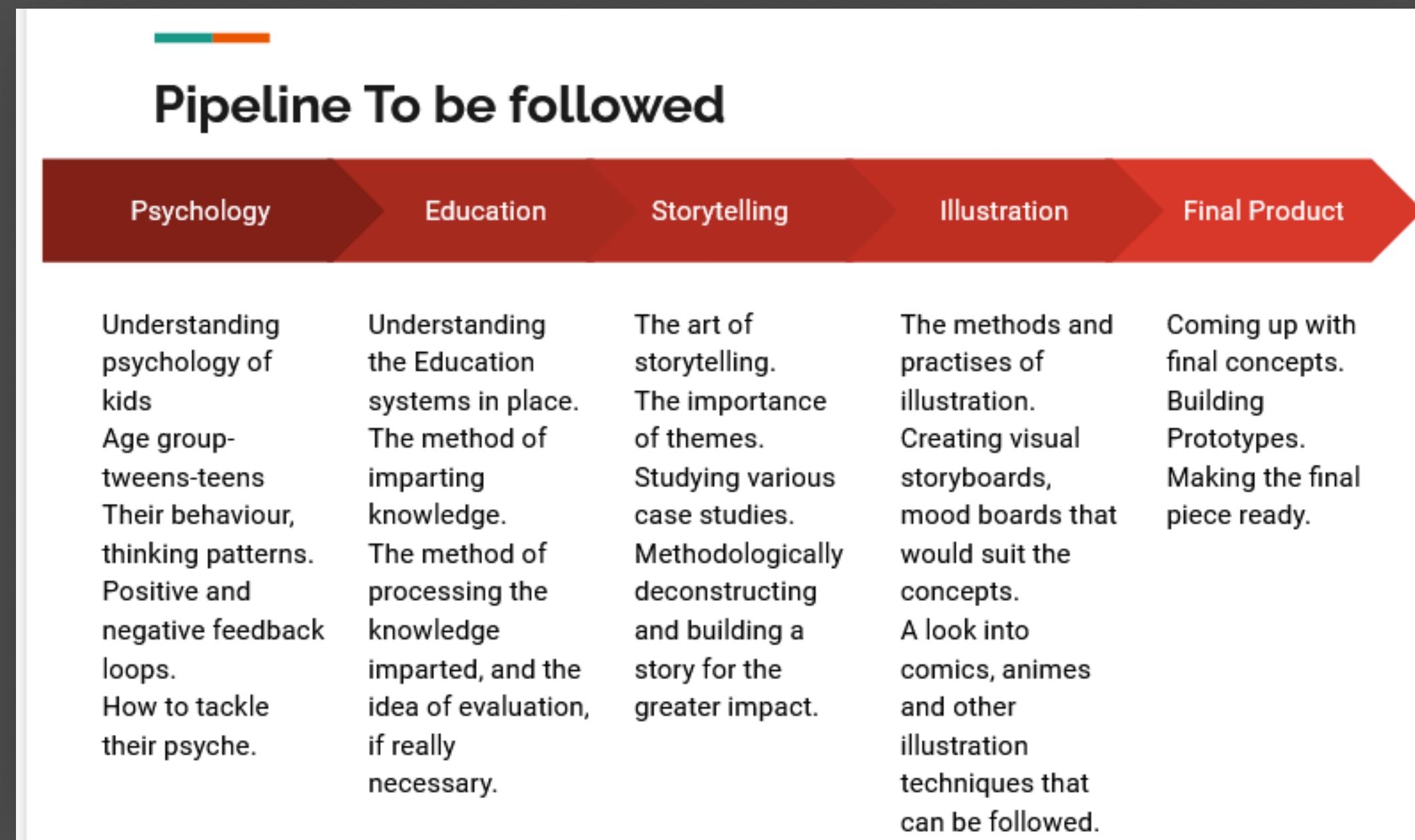
# **Retelling Of Narratives** to Harbour change in the attitudes of people



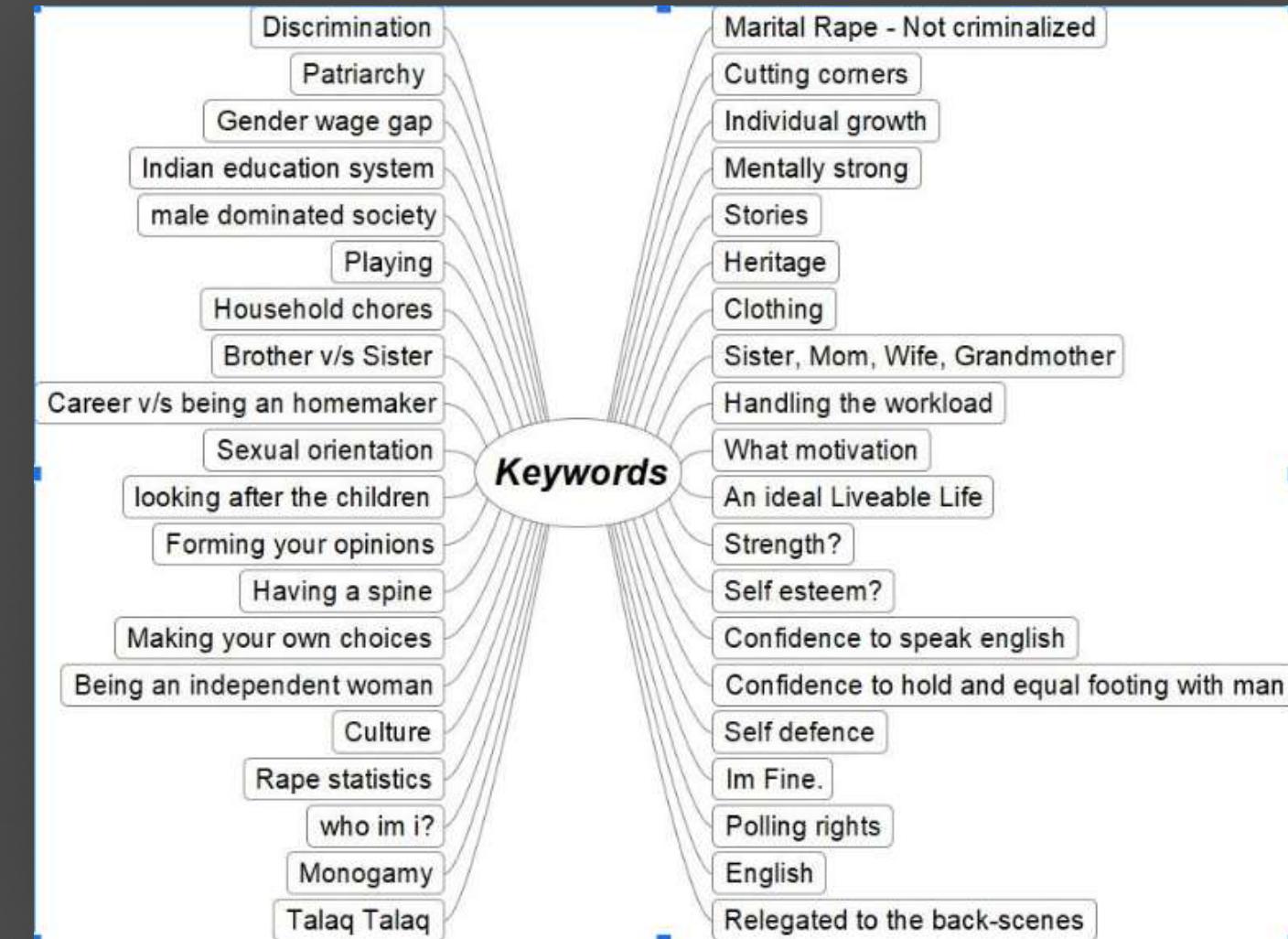
The process i followed These are the words of compromise, the words of habitual tormentation, of a mentally incarcerated way of living, of their societally run down; weighed down controlled choices, preferences governed by the patriarchally biased heavy voices that don't let her think, deafen her voice. It is the voice of a woman's silence. Voice of the every inappropriate expectation from her. It is the voice of the compromise.



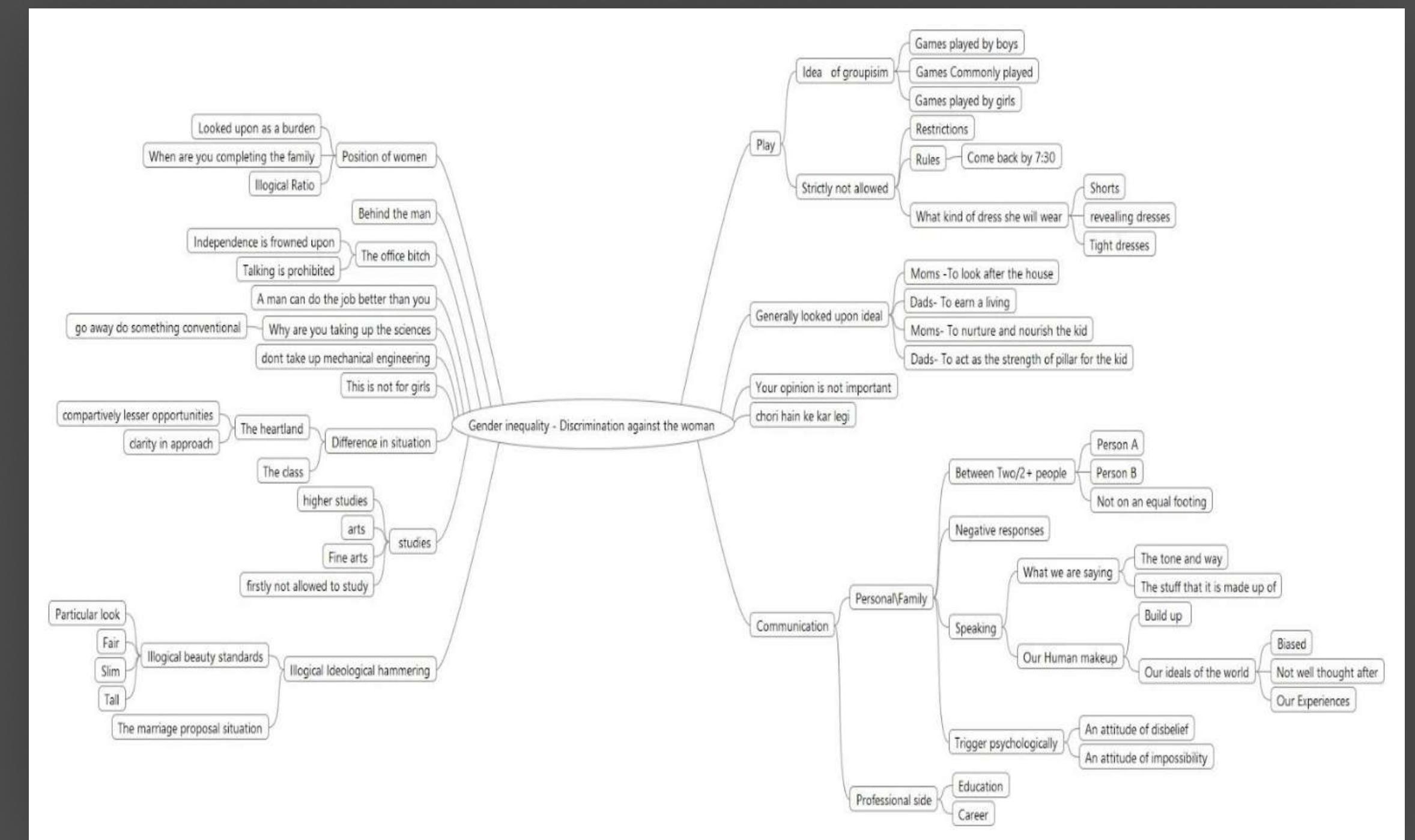
# PROCESS AND PROGRESS



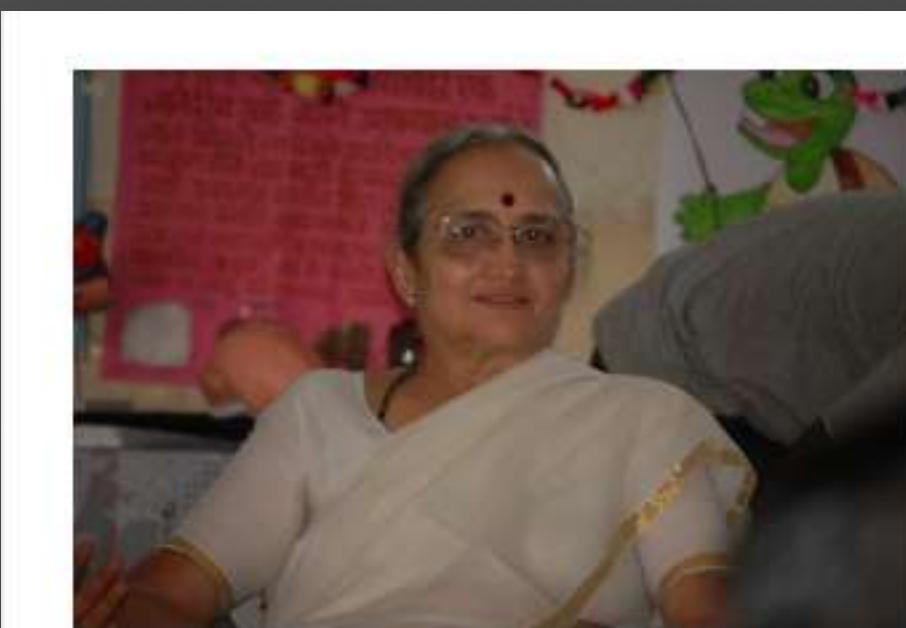
This is the process I followed for the project  
Please check the extensive documentation for clearer images



Brainstorming exercises



# Retelling Of Narratives to Harbour change in the attitudes of people

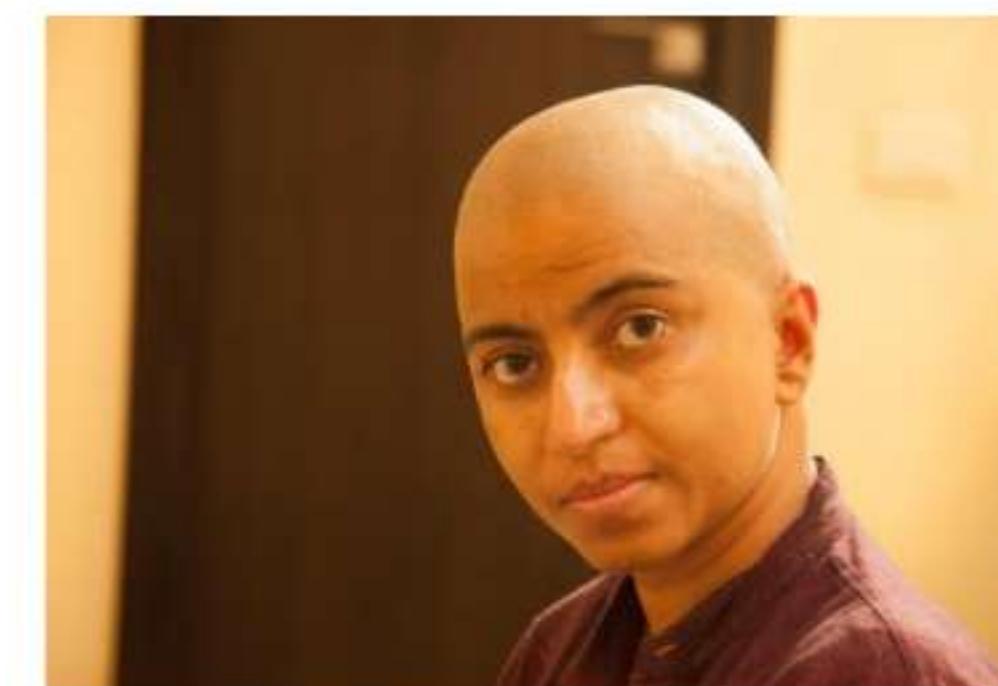


An important aspect was to discover various stories, all around the country.

Stories of unsung heroes, common people who have achieved uncommon feats.

The further slides describe some case studies i had looked at.

## Case studies.



Case studies that I read and then prepared illustrations for

**Growing up as Boys and Girls**

Being a boy or a girl is an important part of one's identity. The society we grow up in teaches us what kind of behaviour is acceptable for girls and boys, what boys and girls can or cannot do. We often grow up thinking that these things are exactly the same everywhere. But do all societies look at boys and girls in the same way? We will try and answer this question in this chapter. We will also look at how the different roles assigned to boys and girls prepare them for their future roles as men and women. We will learn that most societies value men and women differently. The roles women play and the work they do are usually valued less than the roles men play and the work they do. This chapter will also examine how inequalities between men and women emerge in the area of work.

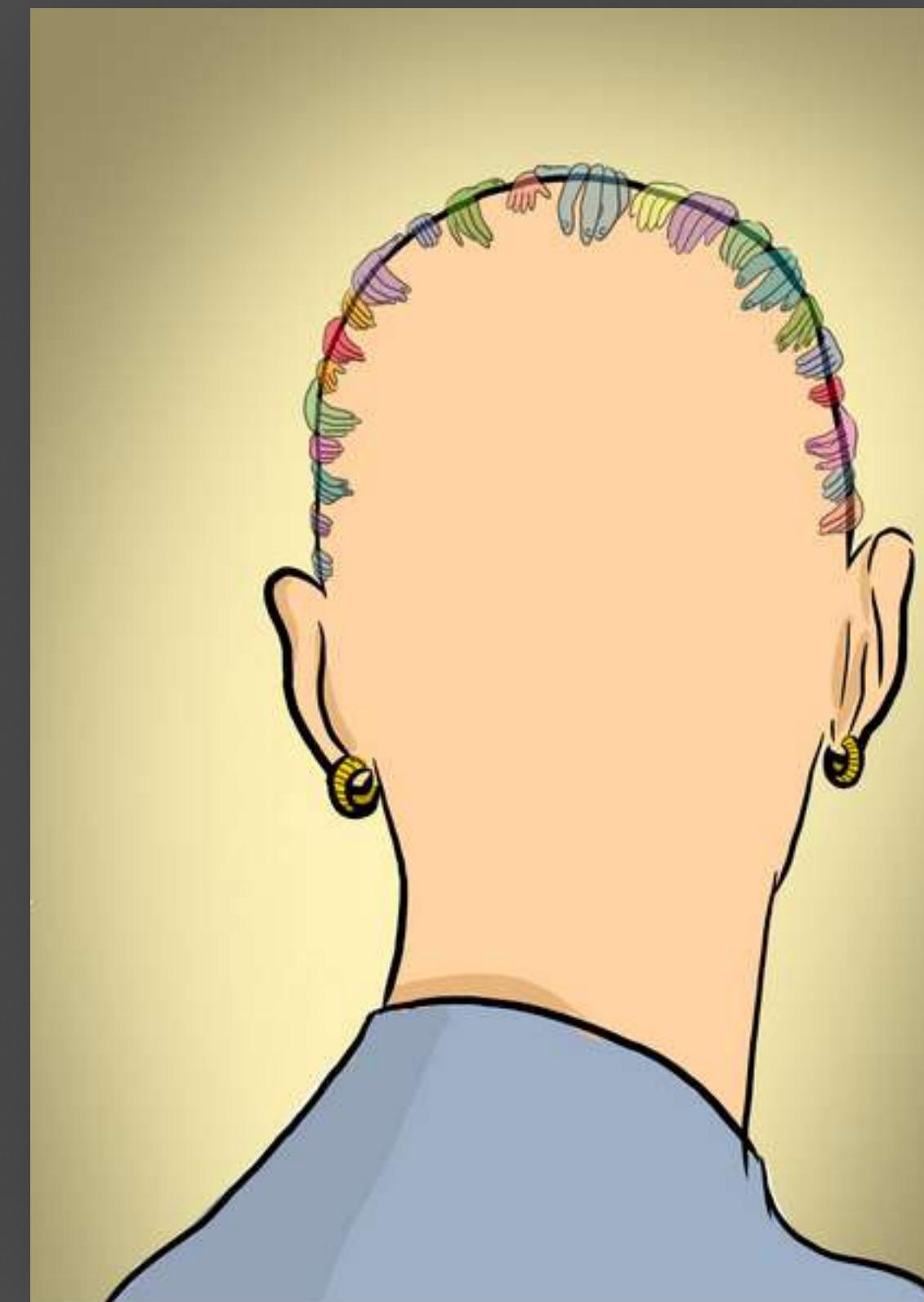


# **Retelling Of Narratives** to Harbour change in the attitudes of people

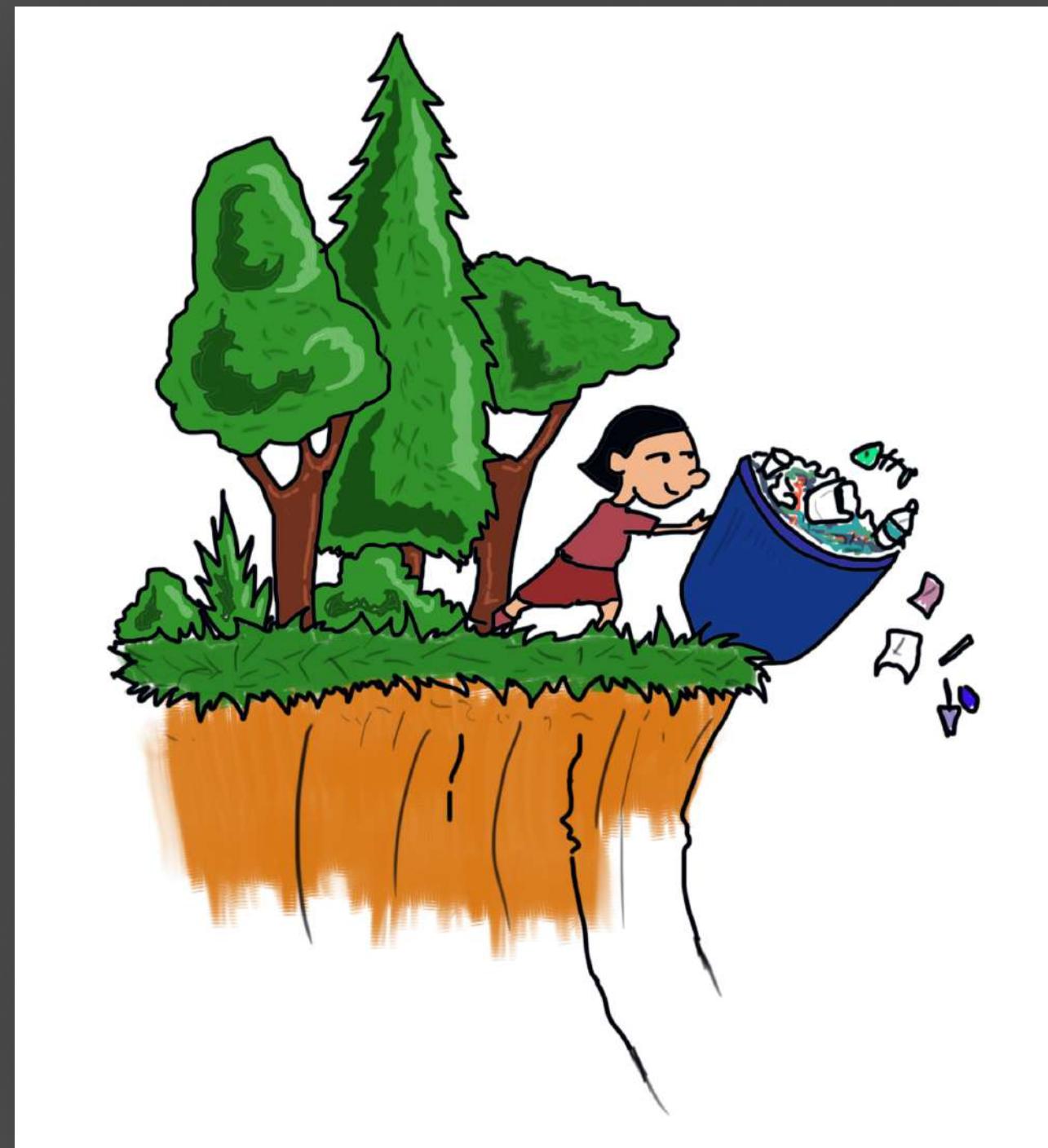
## ILLUSTRATIONS DESIGNED

The following pages include the illustrations that were made in collaboration with graphic designers. All illustrations are made representing the heroics of an individual, from one particular community.

Please refer the extended documentation to see all their stories



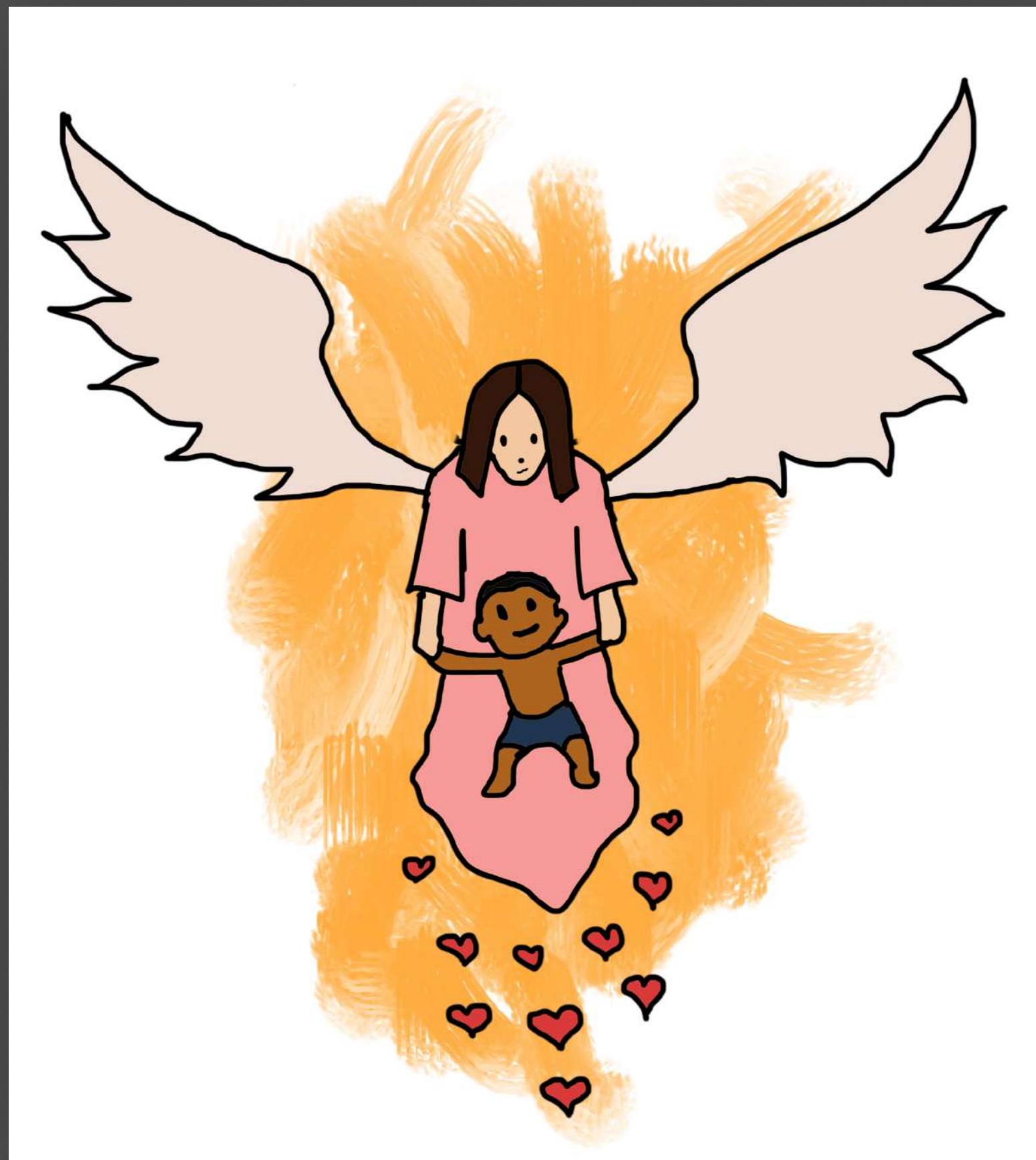
# **Retelling Of Narratives** to Harbour change in the attitudes of people



ILLUSTRATIONS DESIGNED



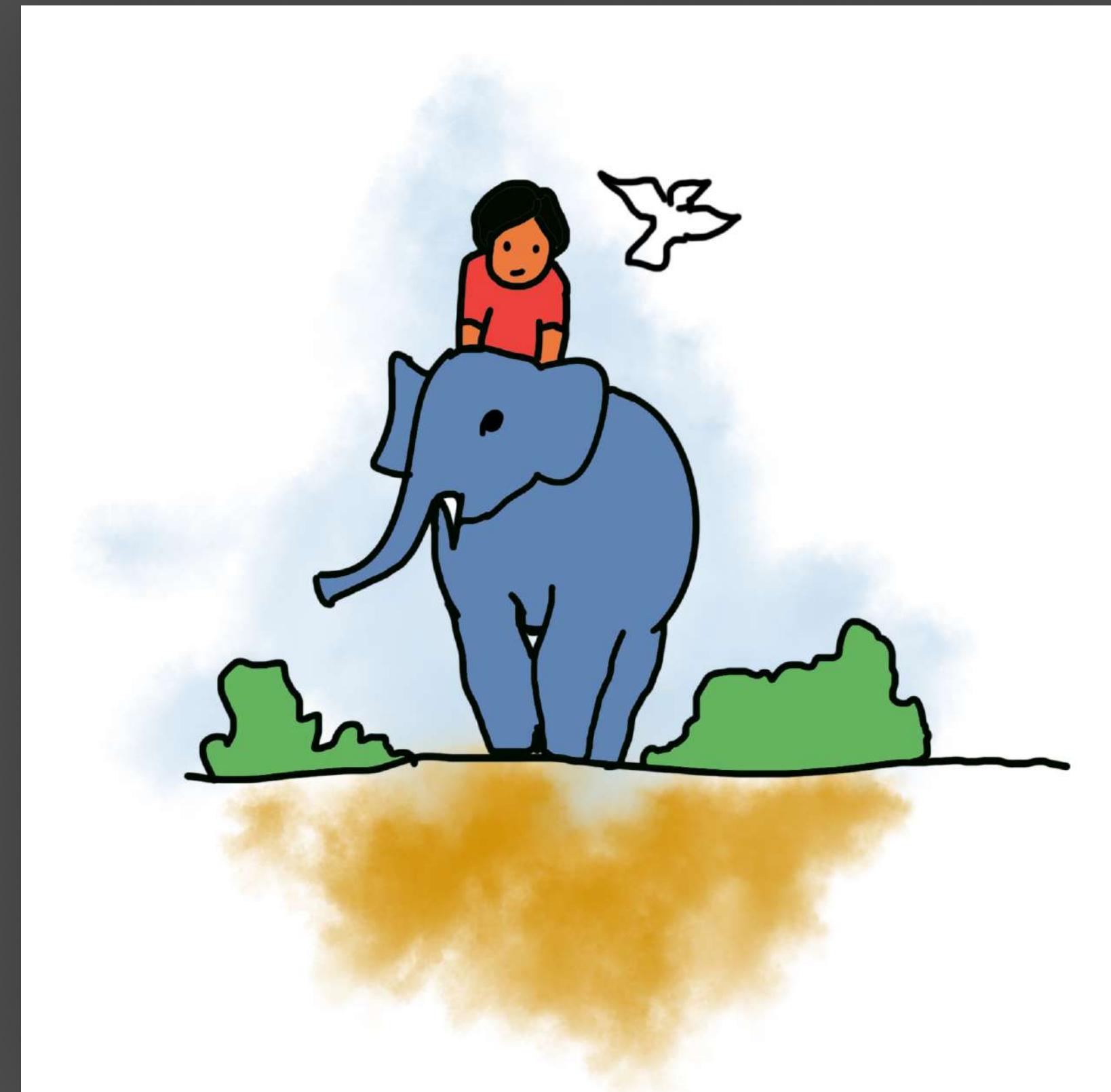
# **Retelling Of Narratives** to Harbour change in the attitudes of people



ILLUSTRATIONS DESIGNED



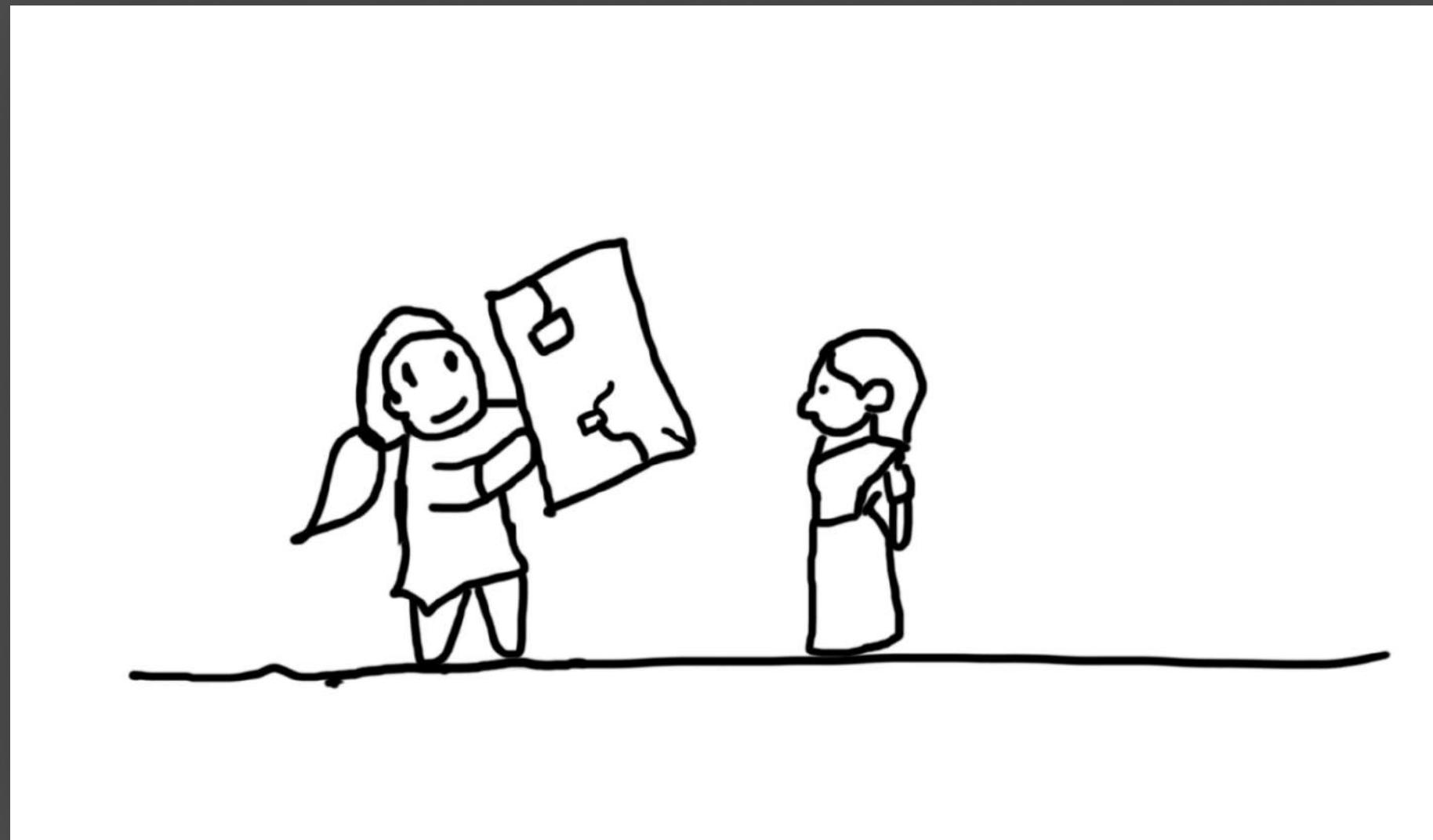
# **Retelling Of Narratives** to Harbour change in the attitudes of people



ILLUSTRATIONS DESIGNED



# **Retelling Of Narratives** to Harbour change in the attitudes of people



ILLUSTRATIONS DESIGNED



*Please click the below link to access the extensive documentation of the project.*

**<http://bit.ly/Retelling-of-Narratives>**

# Savitri | Rethinking Indian Education Systems With Low/Non-Tech Alternatives

## Brief

How can the Savitri Application provide education to the individuals, and specifically the girls, who are on the extreme fringes of the rural Indian education landscape, in a manner that builds their trust, confidence, and character.

How do we deal with the realities of an India that faces problems of access to digital infrastructure, and gaps in fundamental understanding of concepts.

## Methods Followed

DESK RESEARCH

USER-FLOW

USER INTERVIEWS

PERSONAS

PRINCIPLES FOR DIGITAL DEVELOPMENT

ANALYSIS OF UI DEVELOPMENT  
FOR ILLITERATE USERS

JAMES GARETT'S 5-PLANES APPROACH

## Deliverables

- High Fidelity Interactive prototype of the application
- Documentation for implementation and scaling up of the application



# Savitri | Rethinking Indian Education Systems With Low/Non-Tech Alternatives

WHO

YOUNG dalit/  
bahujan/  
adivasi  
GIRLS

KIDS IN SCHOOL

PRE-PRIMARY

PRIMARY

SECONDARY

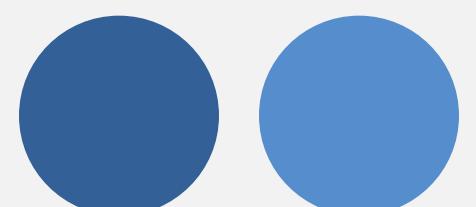
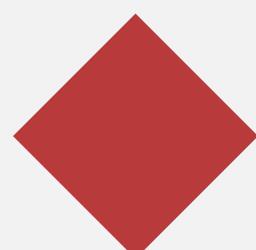
WHY

- With the Government emphasis on buzz-wordy ideas like "distant-learning," "remote-learning," "online-learning" which are good in their style and rhetoric but lack in actual content, and are far from the realities that are present at the grassroots.

- It is in this web of modern-digital hysteria of education, the majority of the Indian children population is deprived of actual education. It is on these fringes of rural, urban landscapes, the have-nots lie in their vulnerabilities, trying to eke out an existence in this world of ours.

WHAT

- In this so called new normal, the kids on the fringes of the Indian education systems, loose their access to education.
- With just 8-12% of households having connection to internet and networks, they dont even stand a chance to get education
- A peer-to-peer connection powered service, Savitri, which provides educational content in the form of a supplementary app, with relevant Television and Radio infrastructure that targets their fundamental understanding of subjects



# Savitri | Rethinking Indian Education Systems With Low/Non-Tech Alternatives

HOW

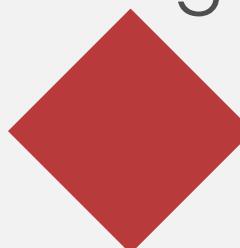
- I followed the Principles of Digital Development, and the EdTech Hub blog of the World-Bank, to come towards an approach to solve the problem.
- I interviewd experts in the domain, teachers, teacher-training personnel, policy-experts, and kids in the ZP schools, in rural, rurban, and urban spaces.
- In order to create contex-relevant designs, I had to go through UI elements for illiterate users, and make the designs in that manner.
- The plan is to develop an open source version that can be deployed and scaled up, I'm in the process of doing the same.

WHERE

- The service was to be implemented in sectors of rural india, and urban spaces where individuals dont have access to education.

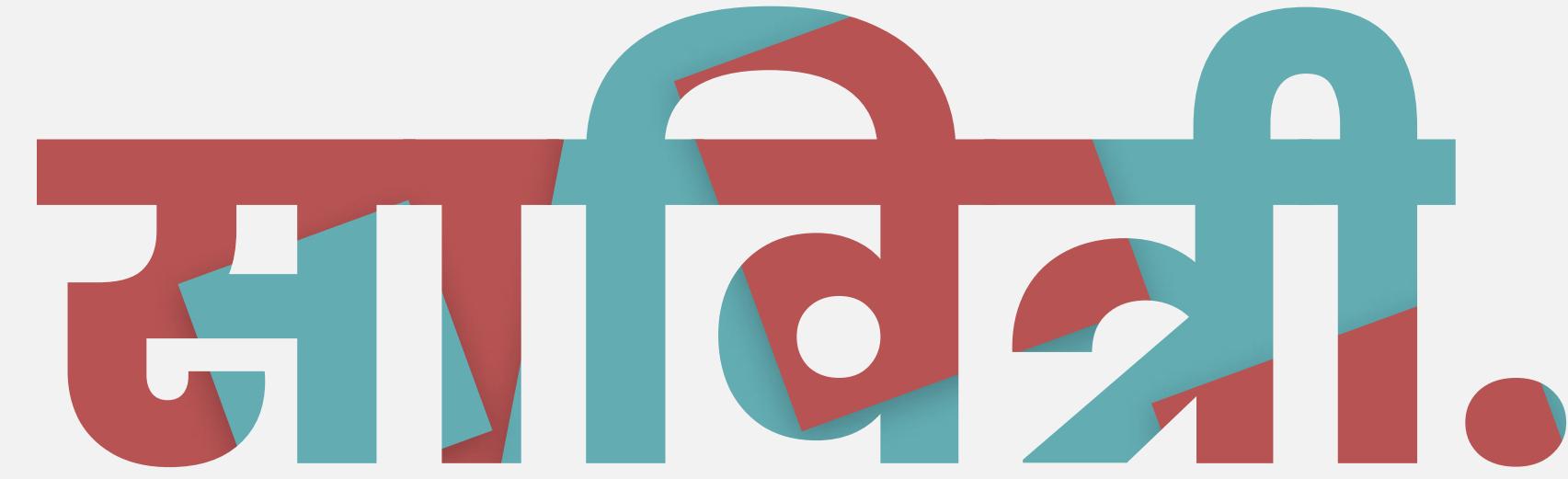
WHEN

- The project was done during the months of Jan-Feb 2021.



आत्मकृषि.

Dignity. Education. Character.



Dignity. Education. Character.

## High-Fidelity Prototypes

### WHAT

Levels of Difficulty

Basic

Advanced

### WHERE

Devices

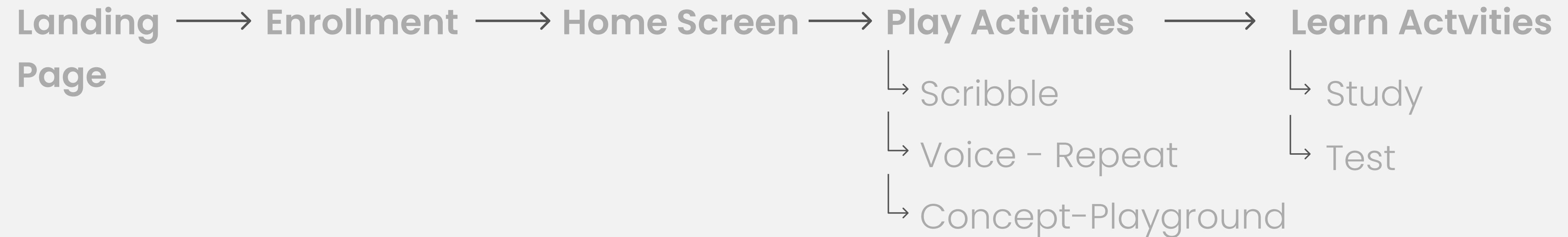
Smart-phone

Feature-Phone

## THE APP FLOW

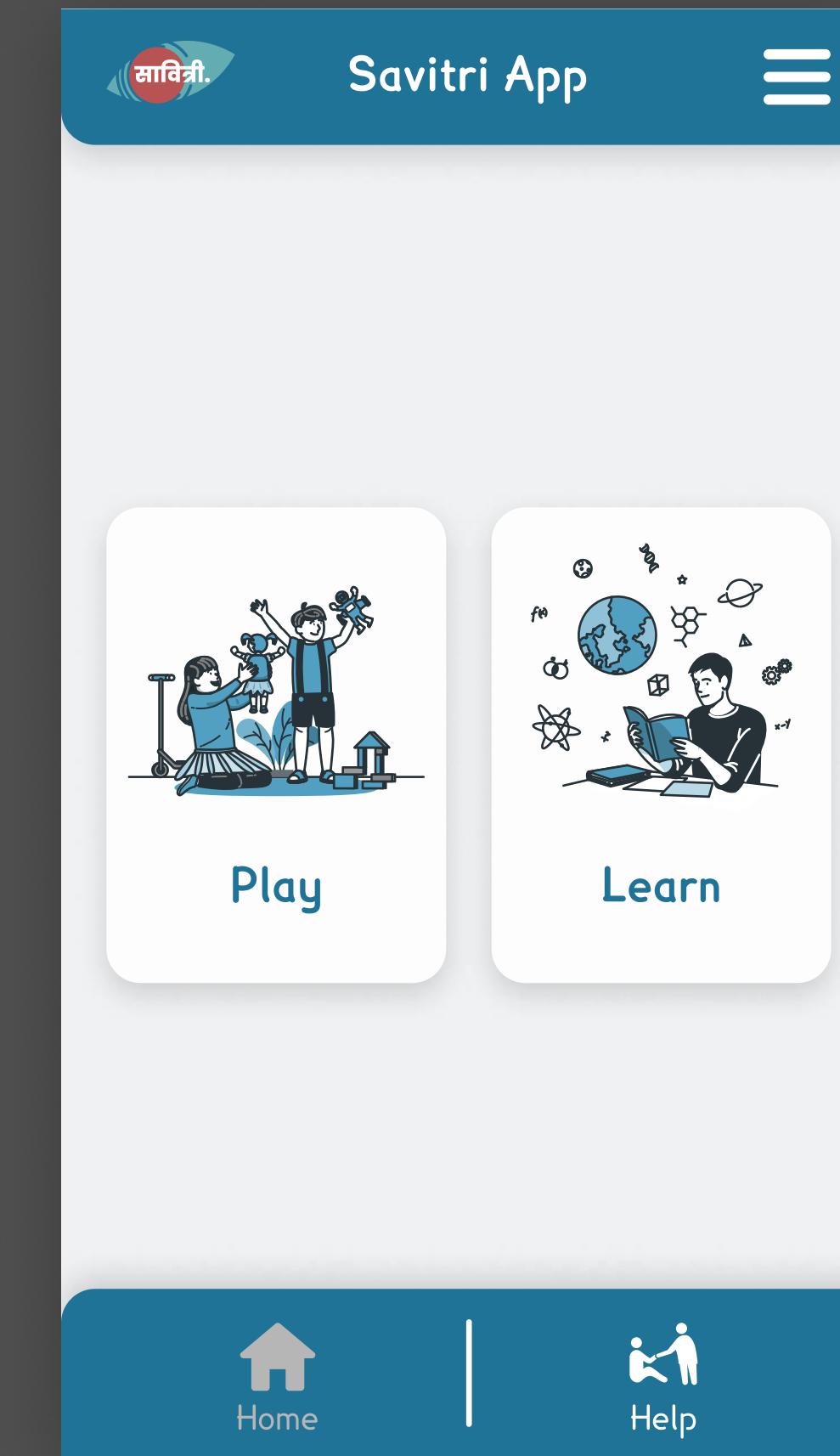
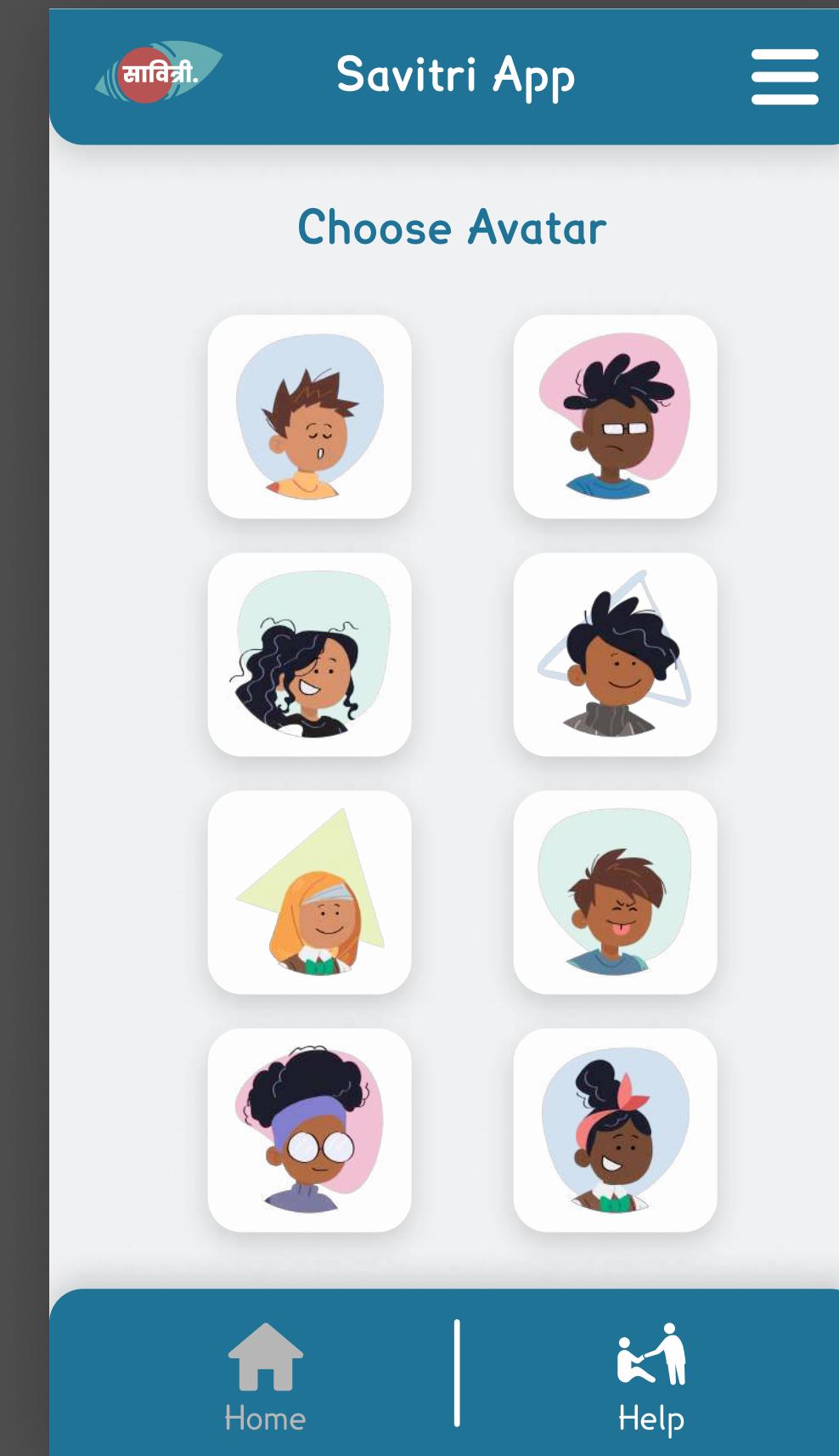
Level of difficulty - **BASIC**

Device - **LOW-END SMARTPHONE**



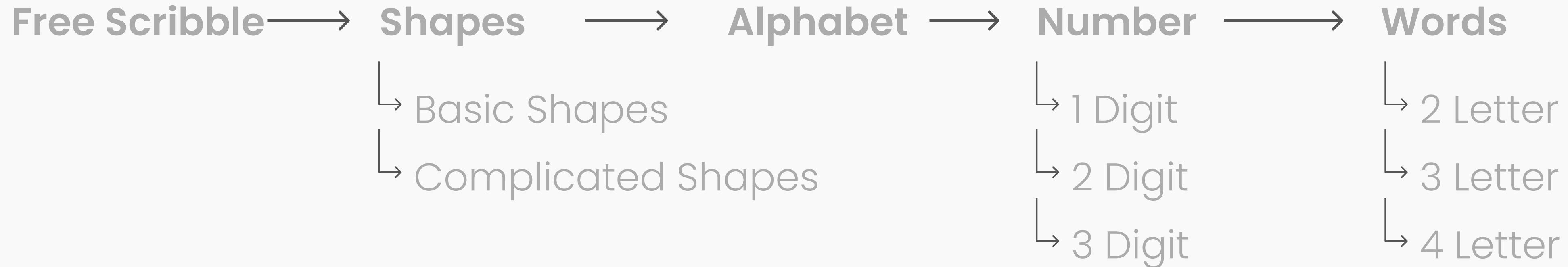
# LANDING -PAGE AND STARTING PROCESS

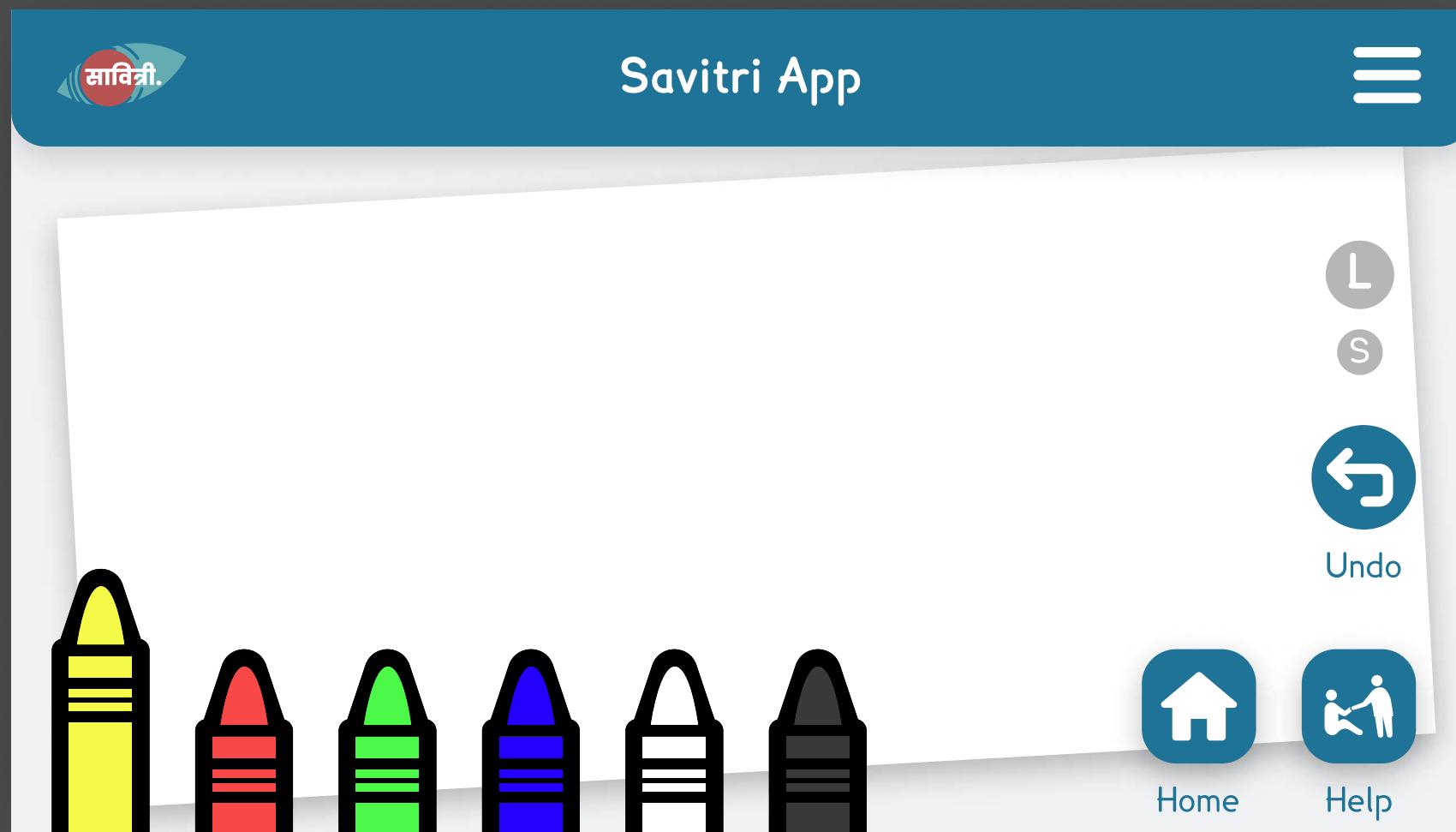
Throughout i have attached few screenshots that give an overview of how different phases of the app work

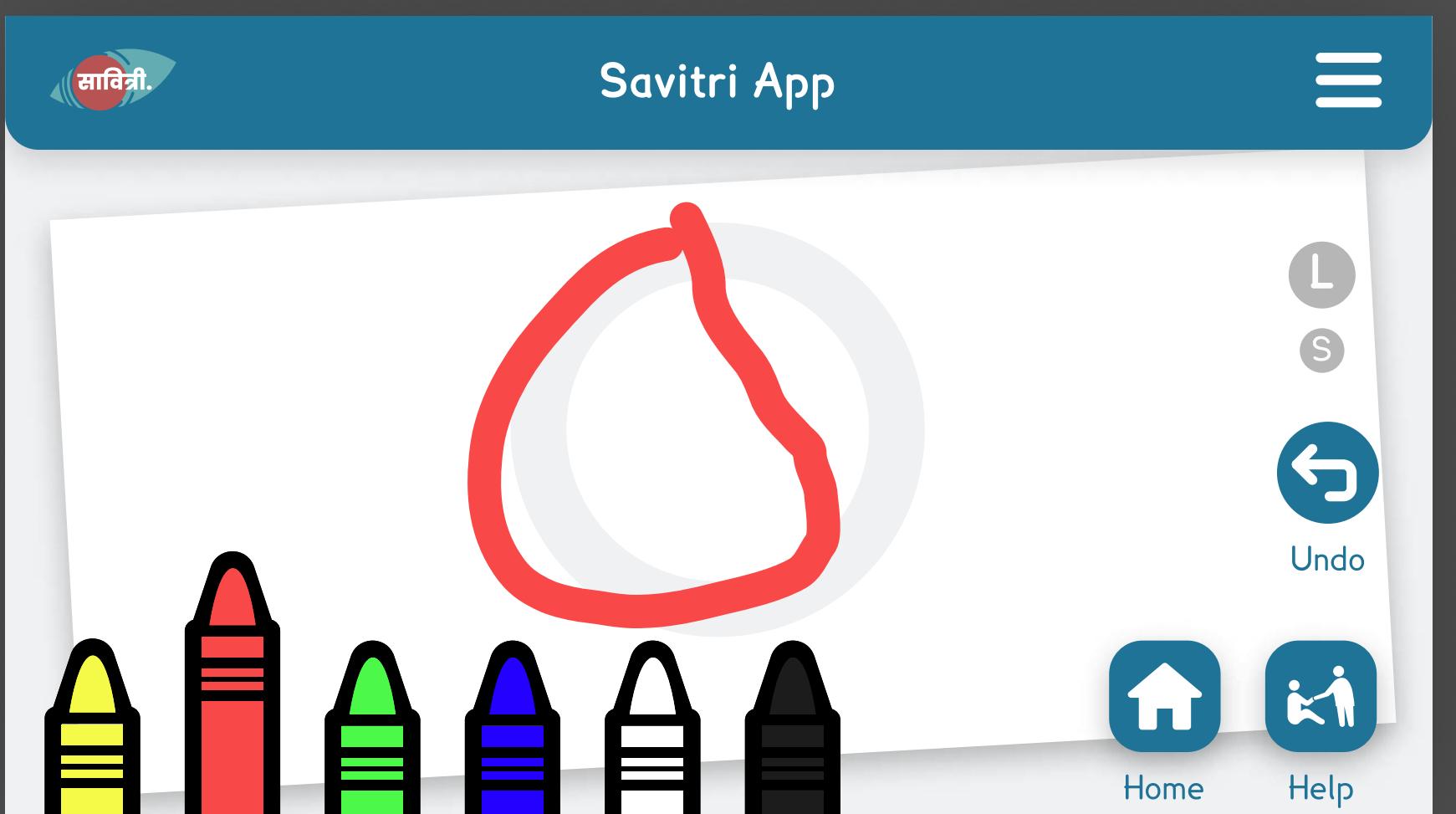
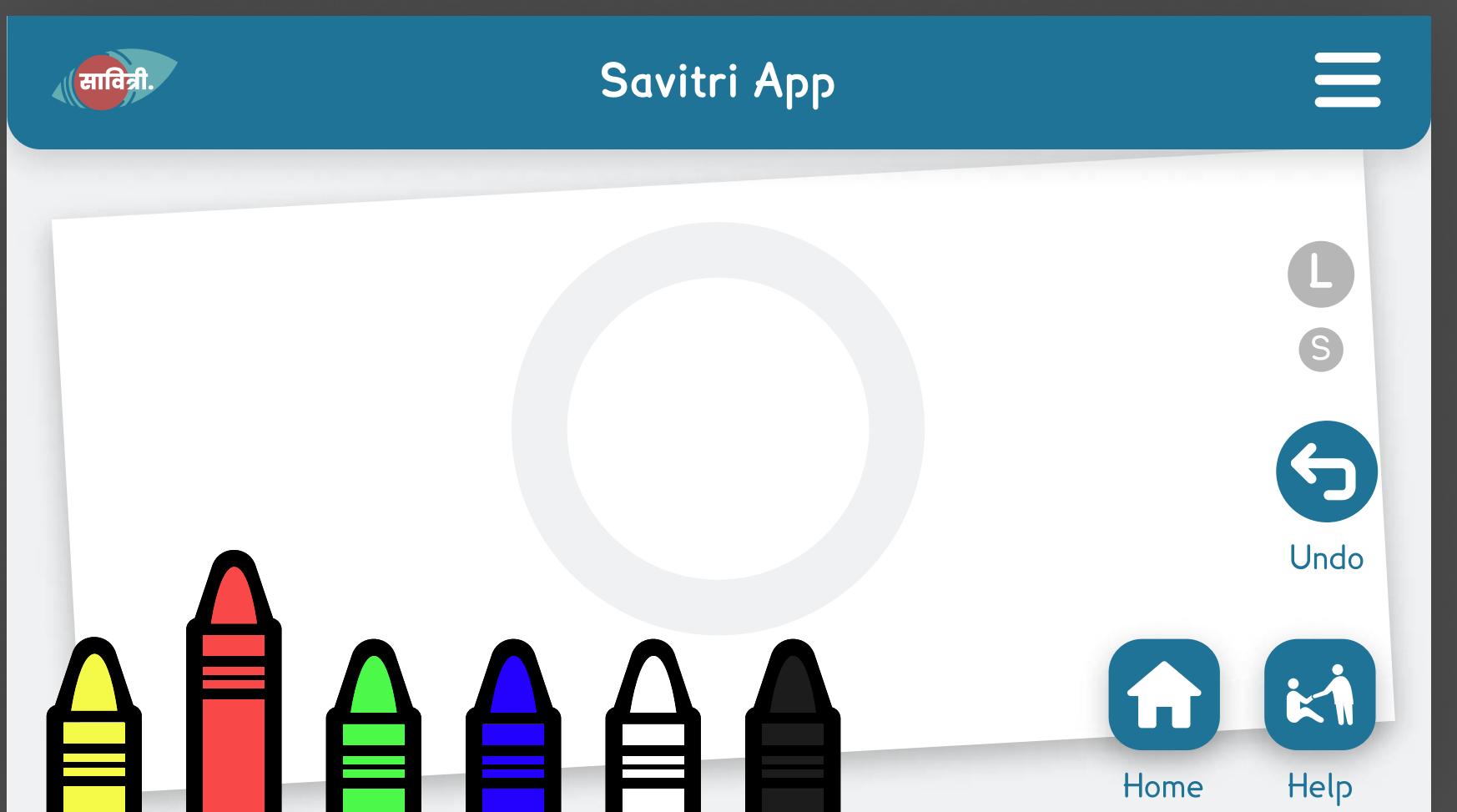
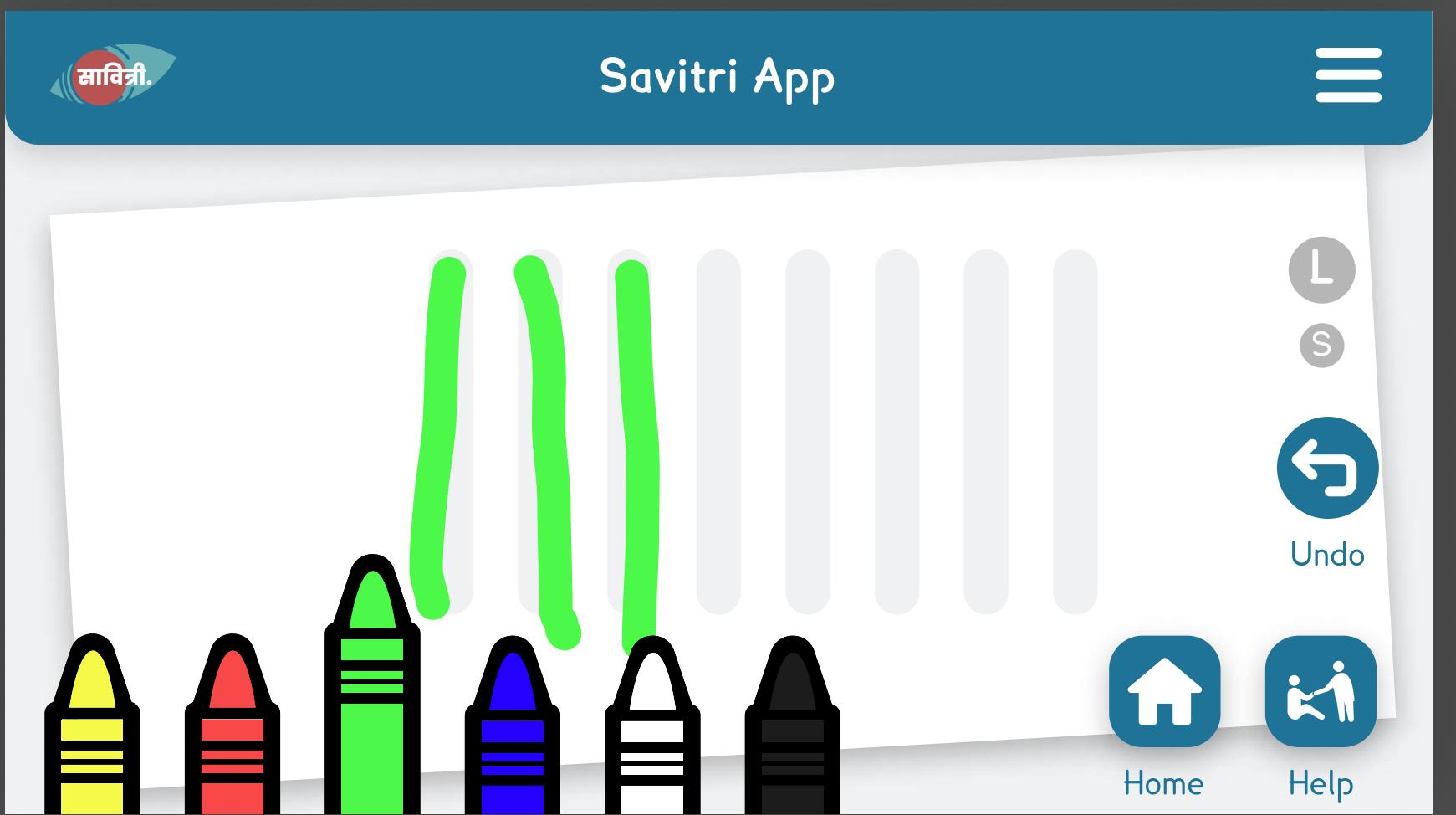
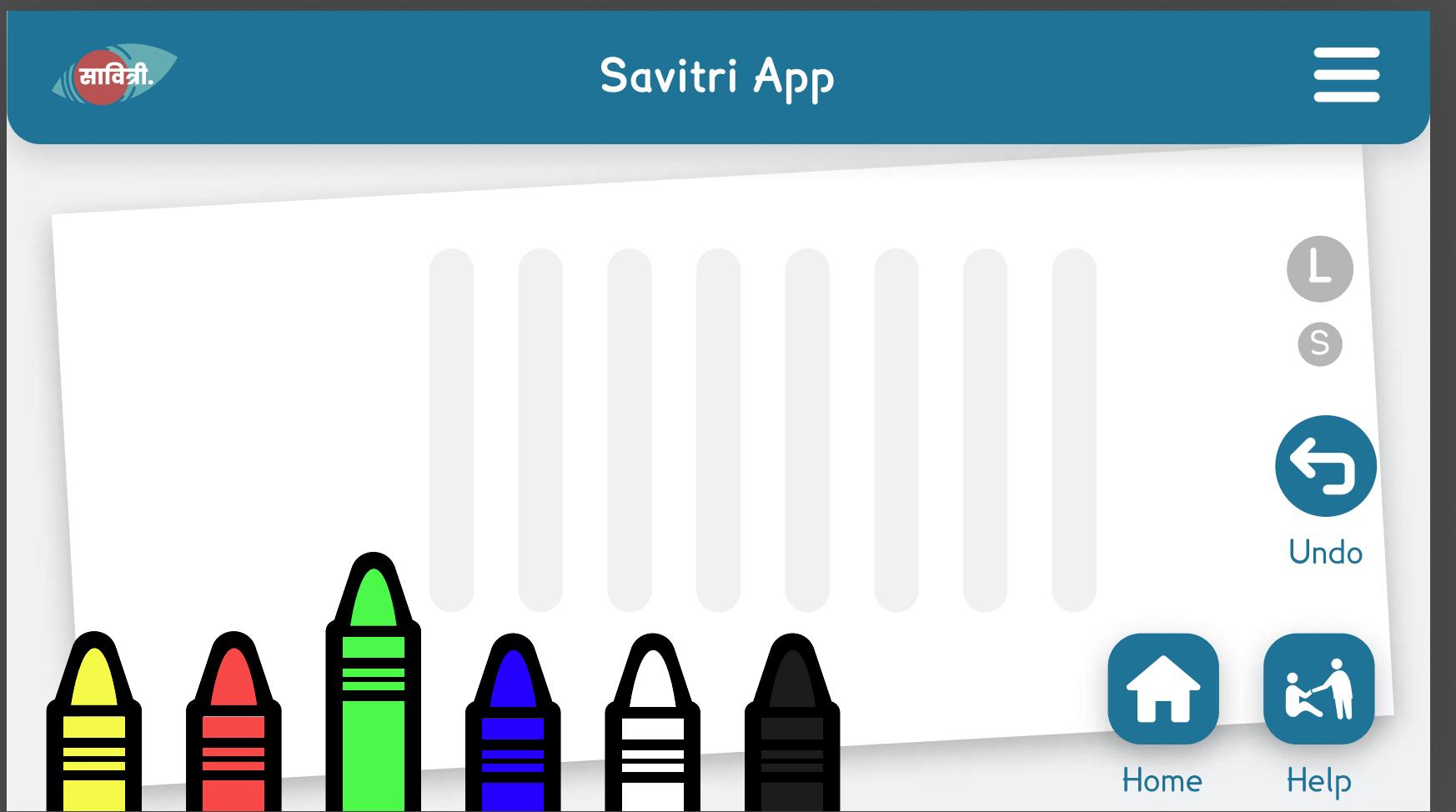


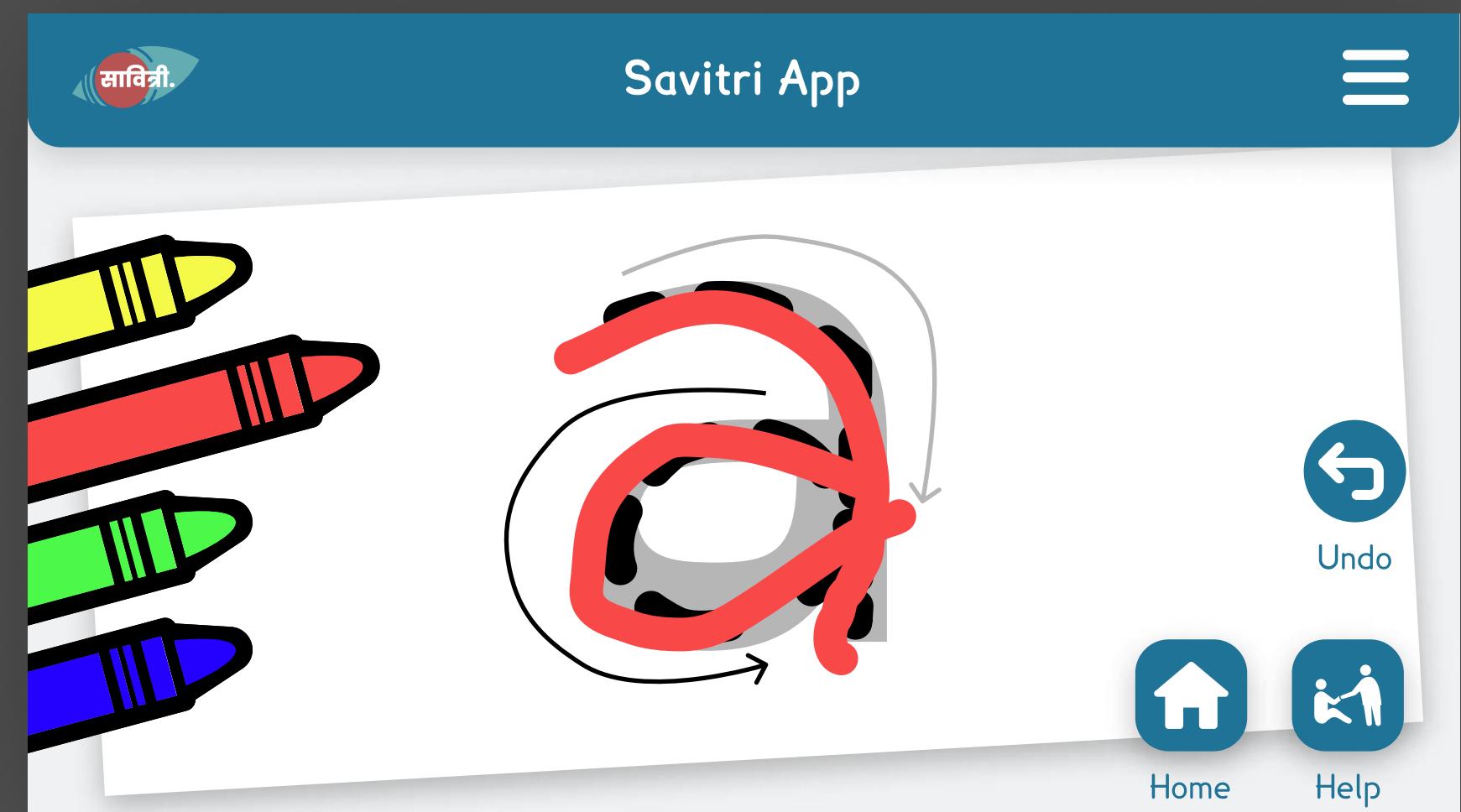
## PLAY ACTIVITIES - SCRIBBLE

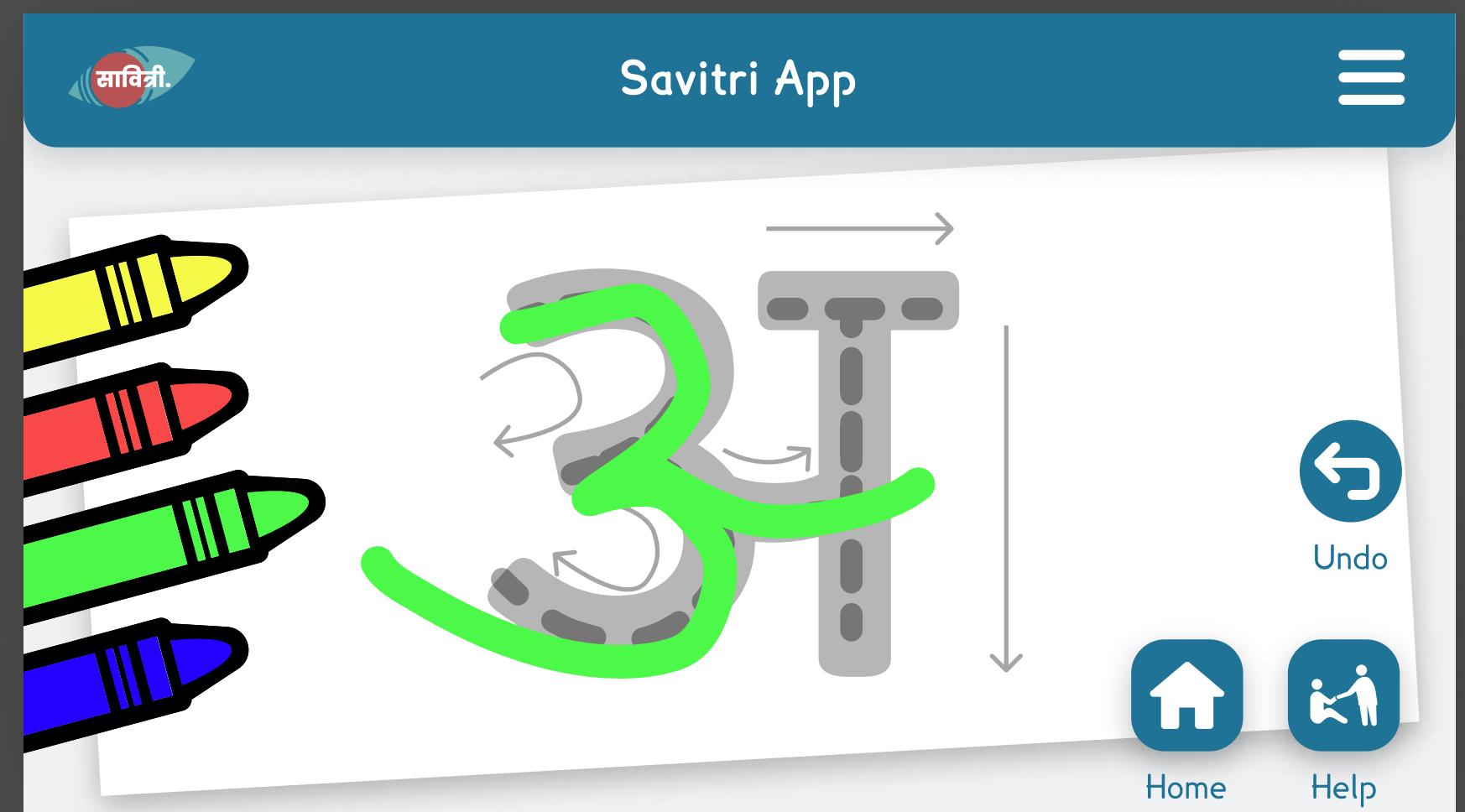
Level of difficulty - **BASIC** Device - **LOW-END SMARTPHONE**

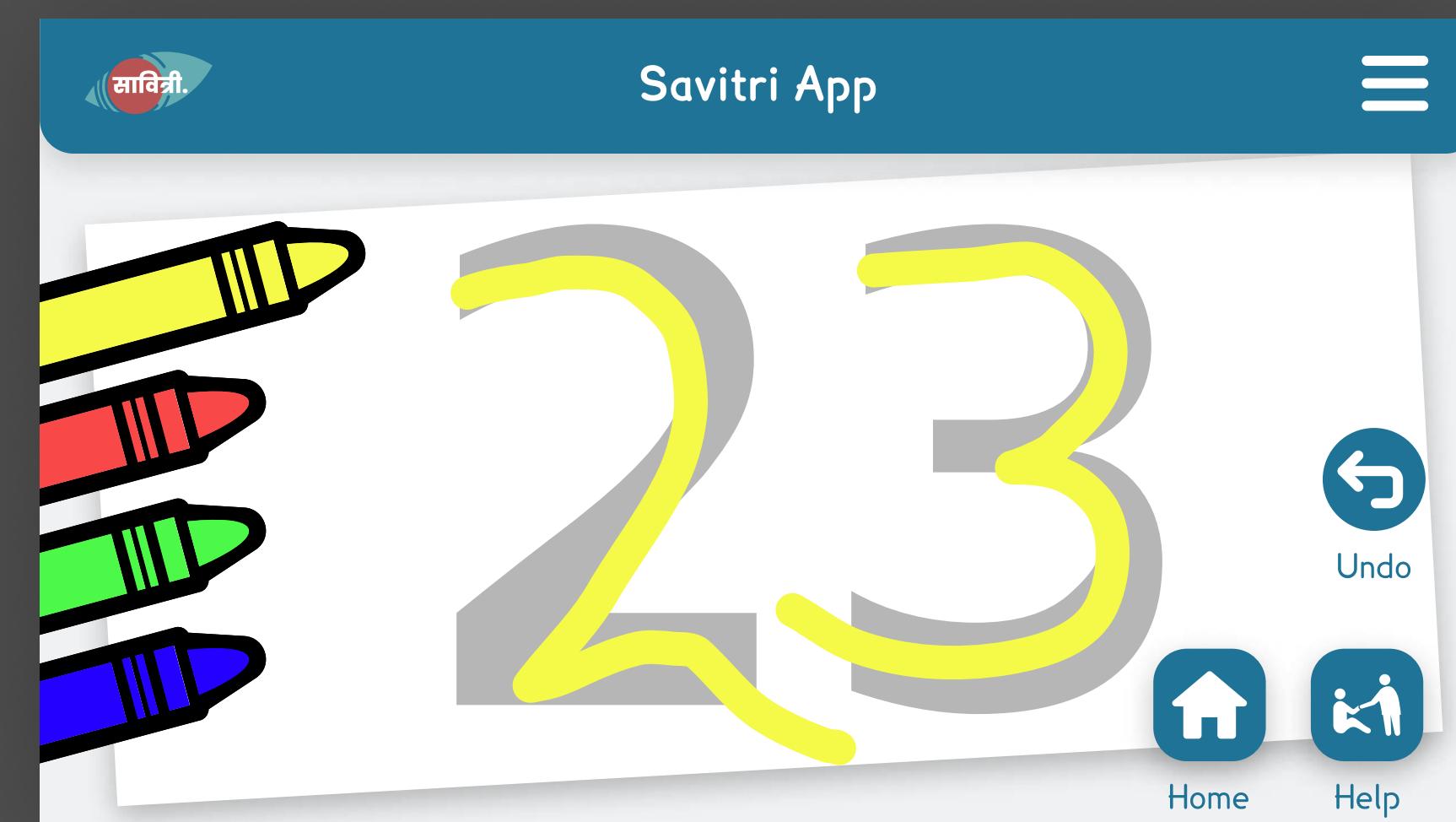
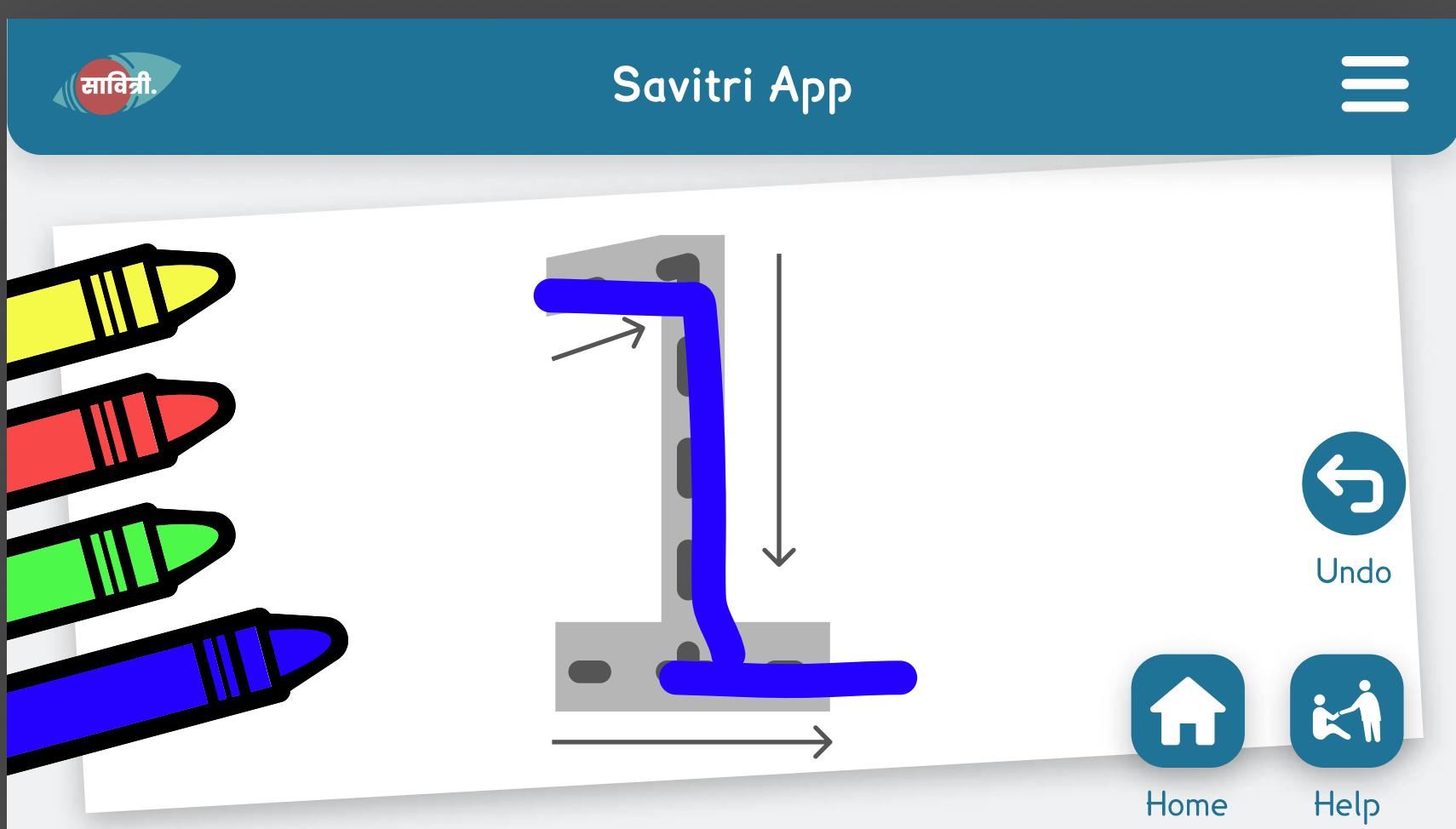
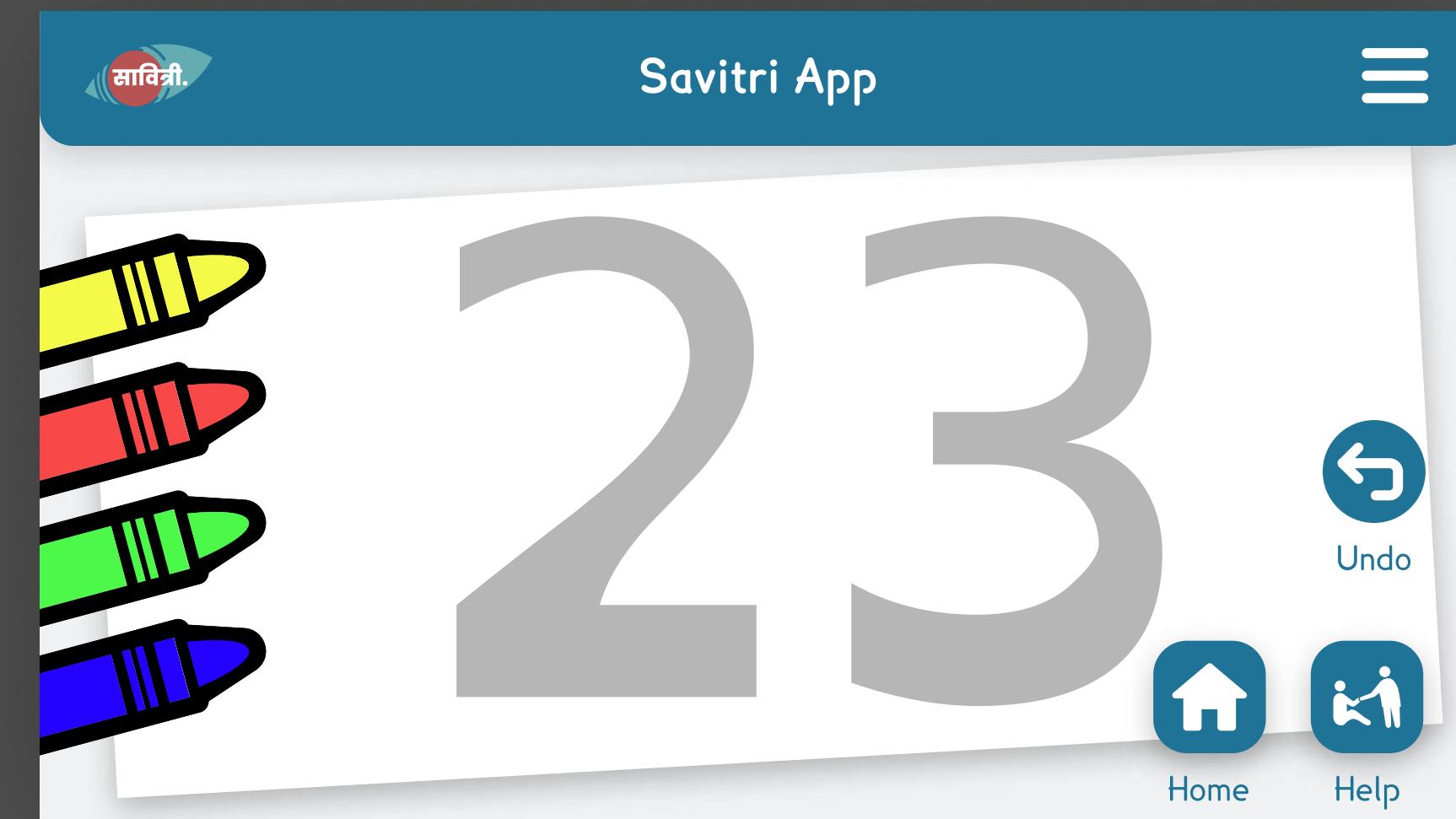
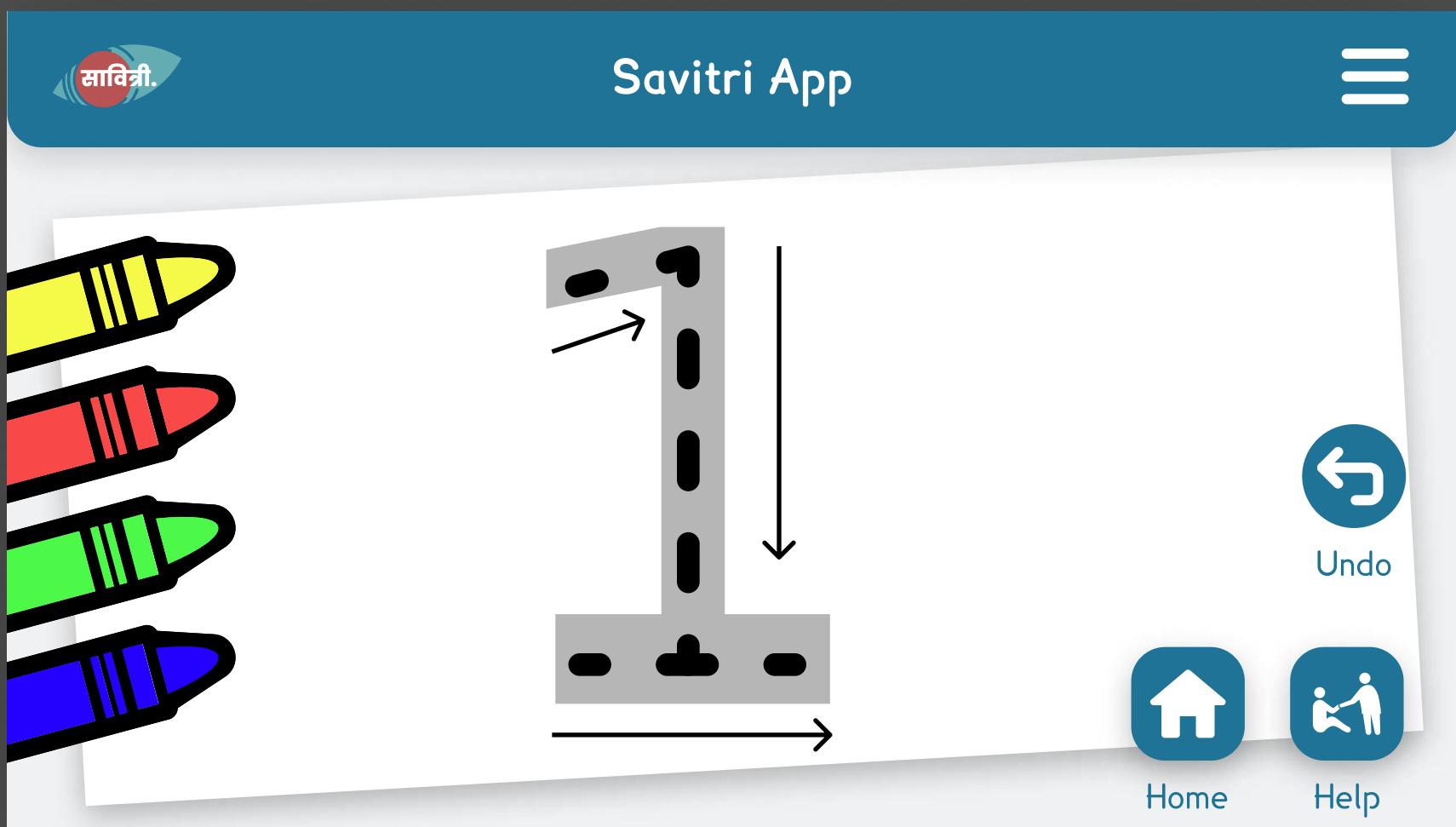


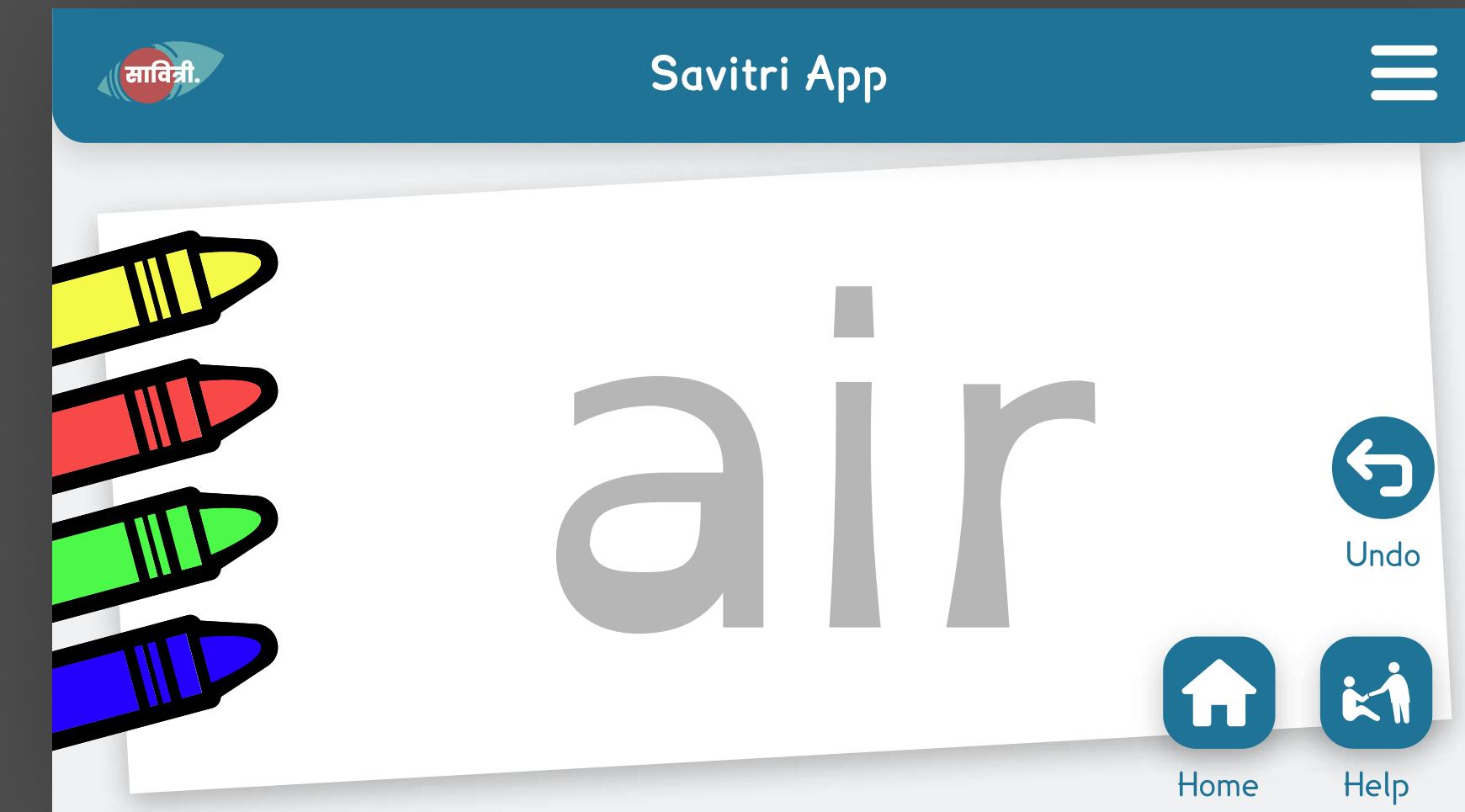


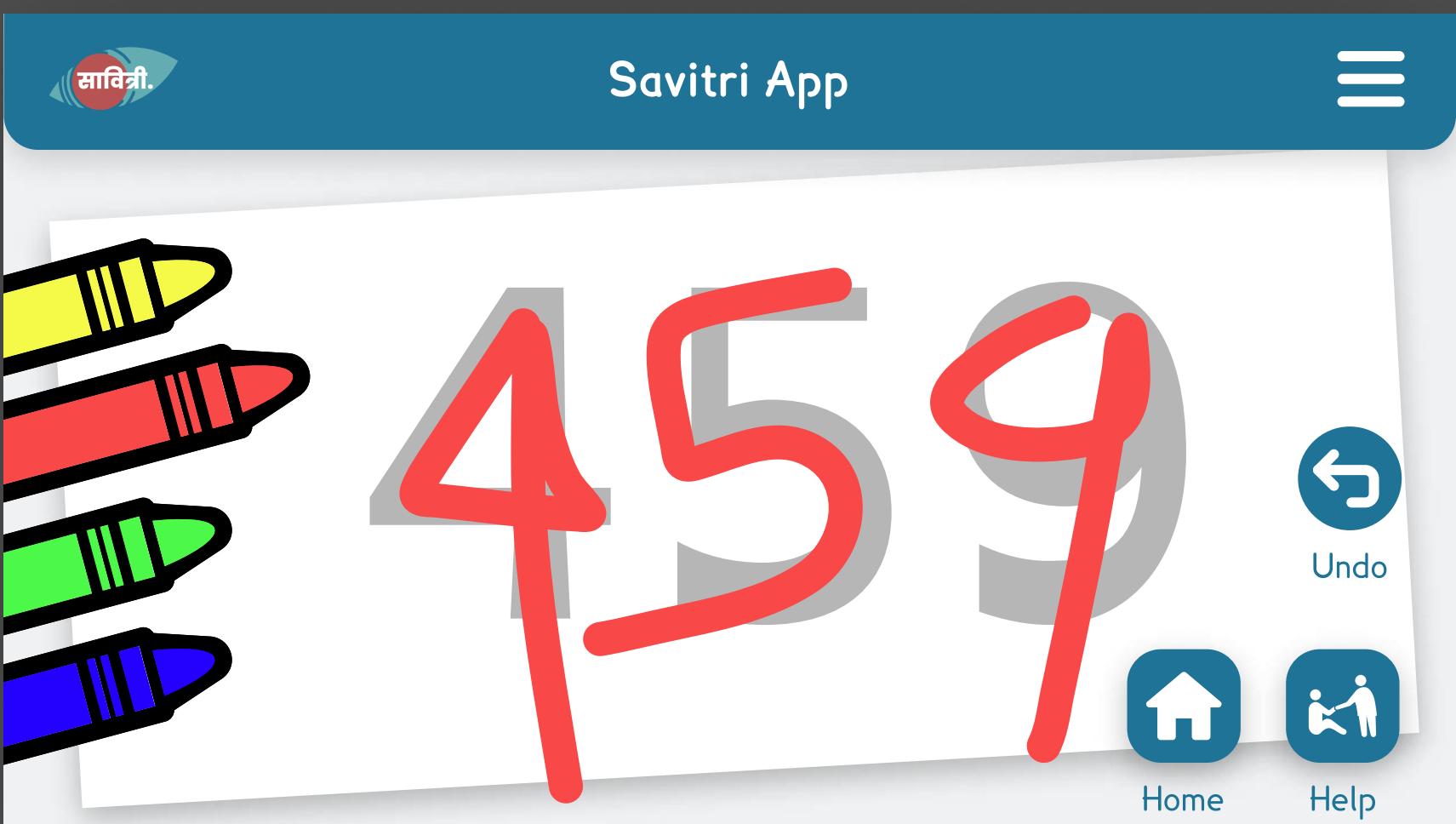
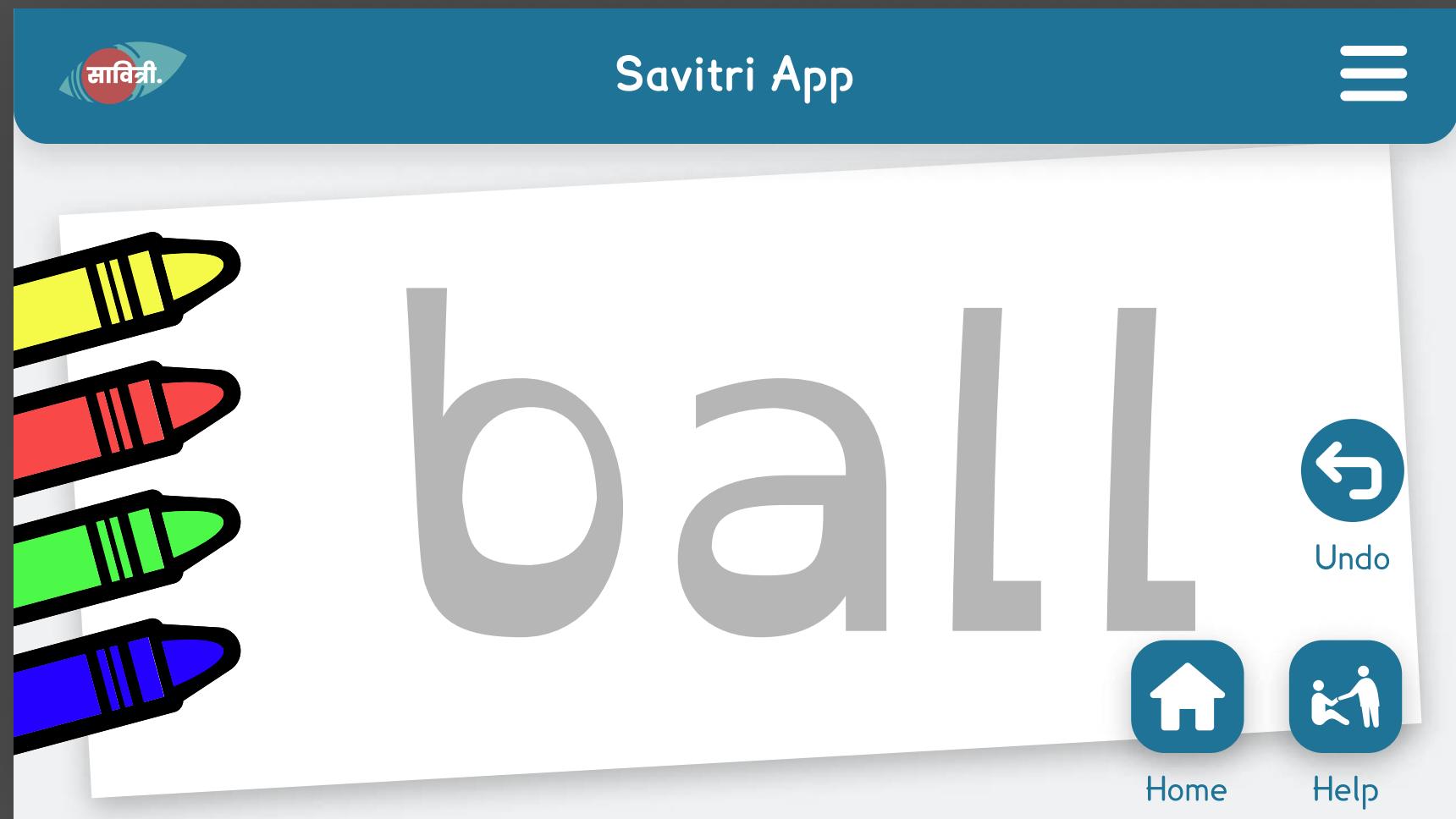
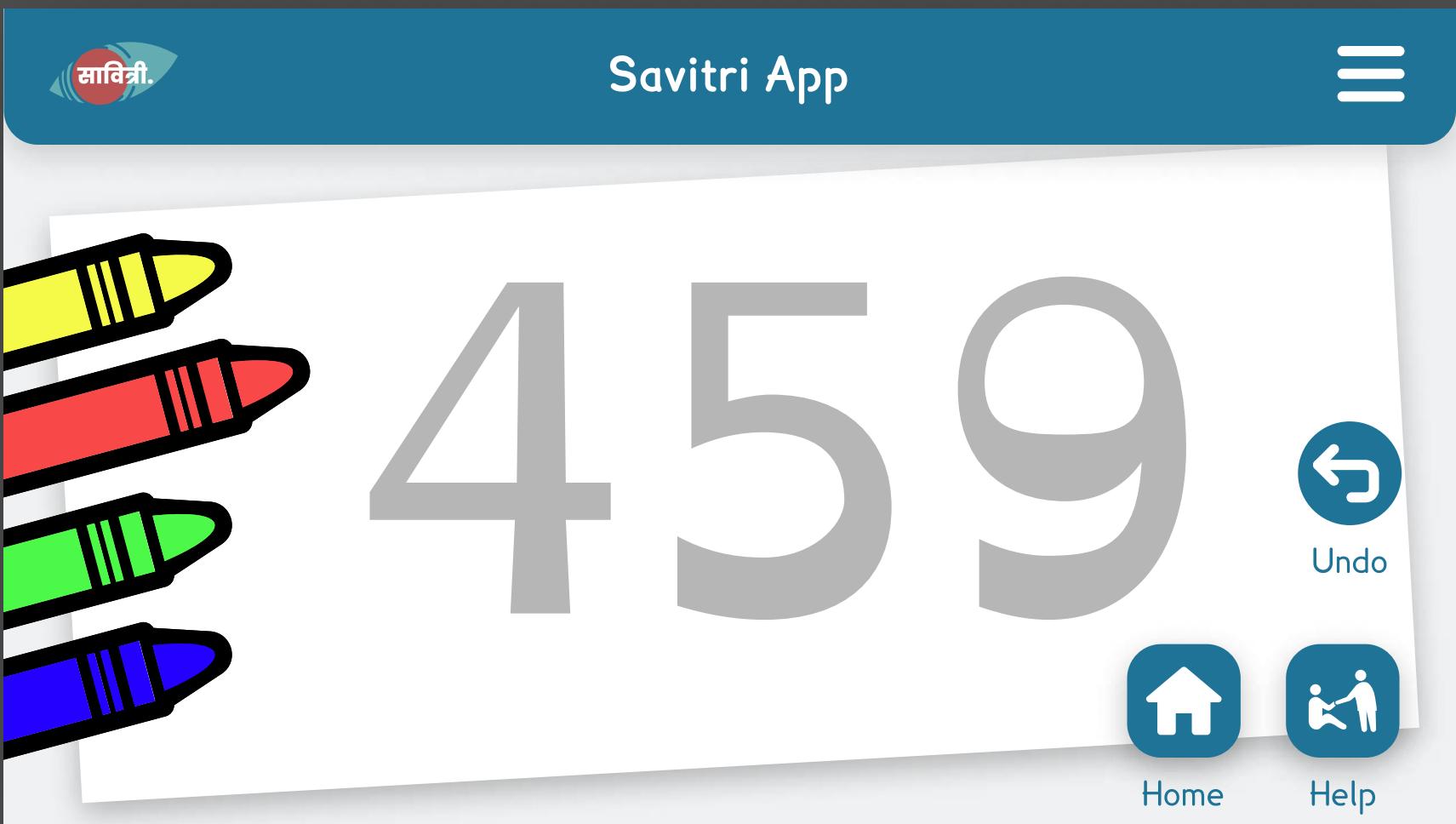










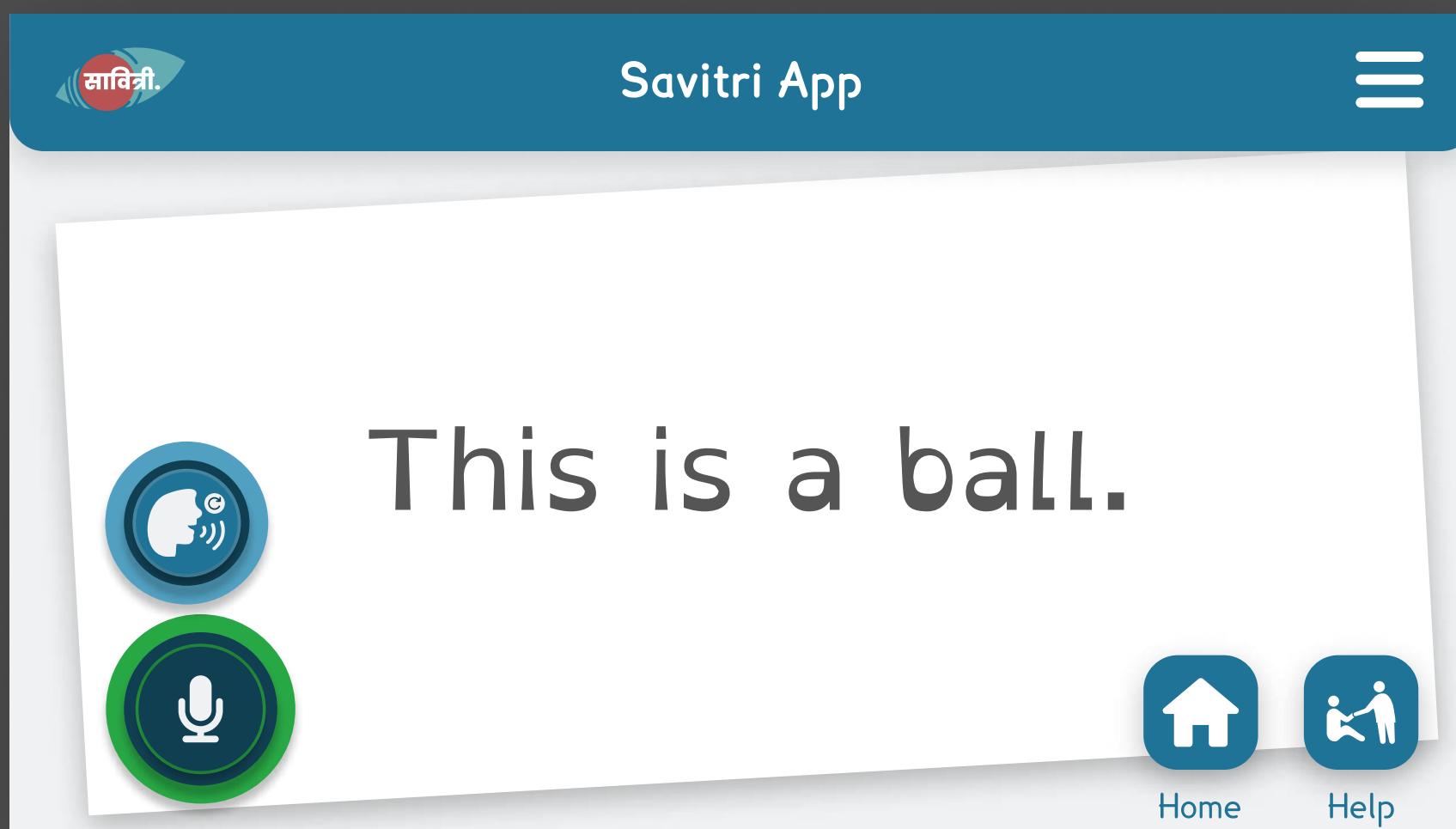
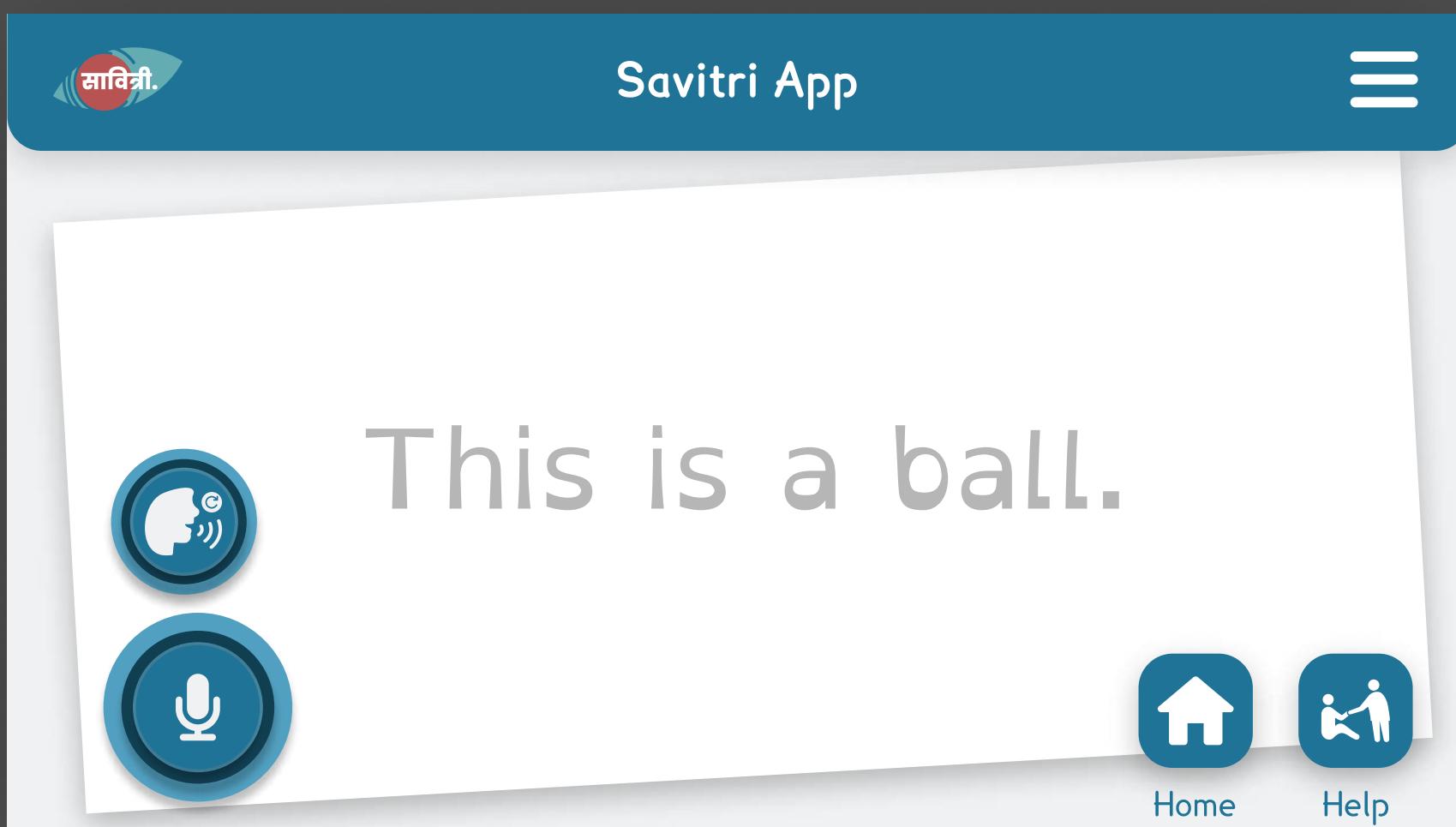


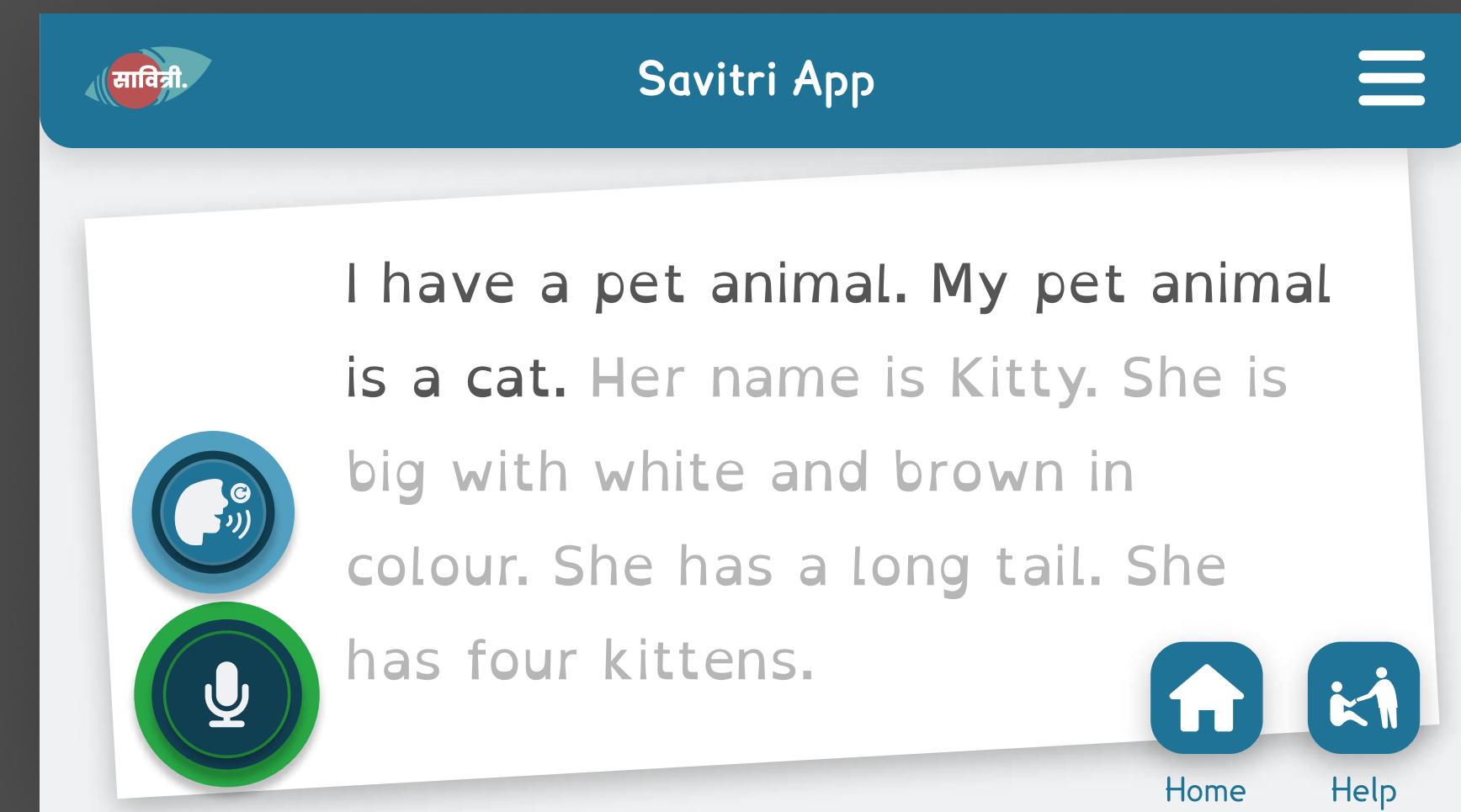
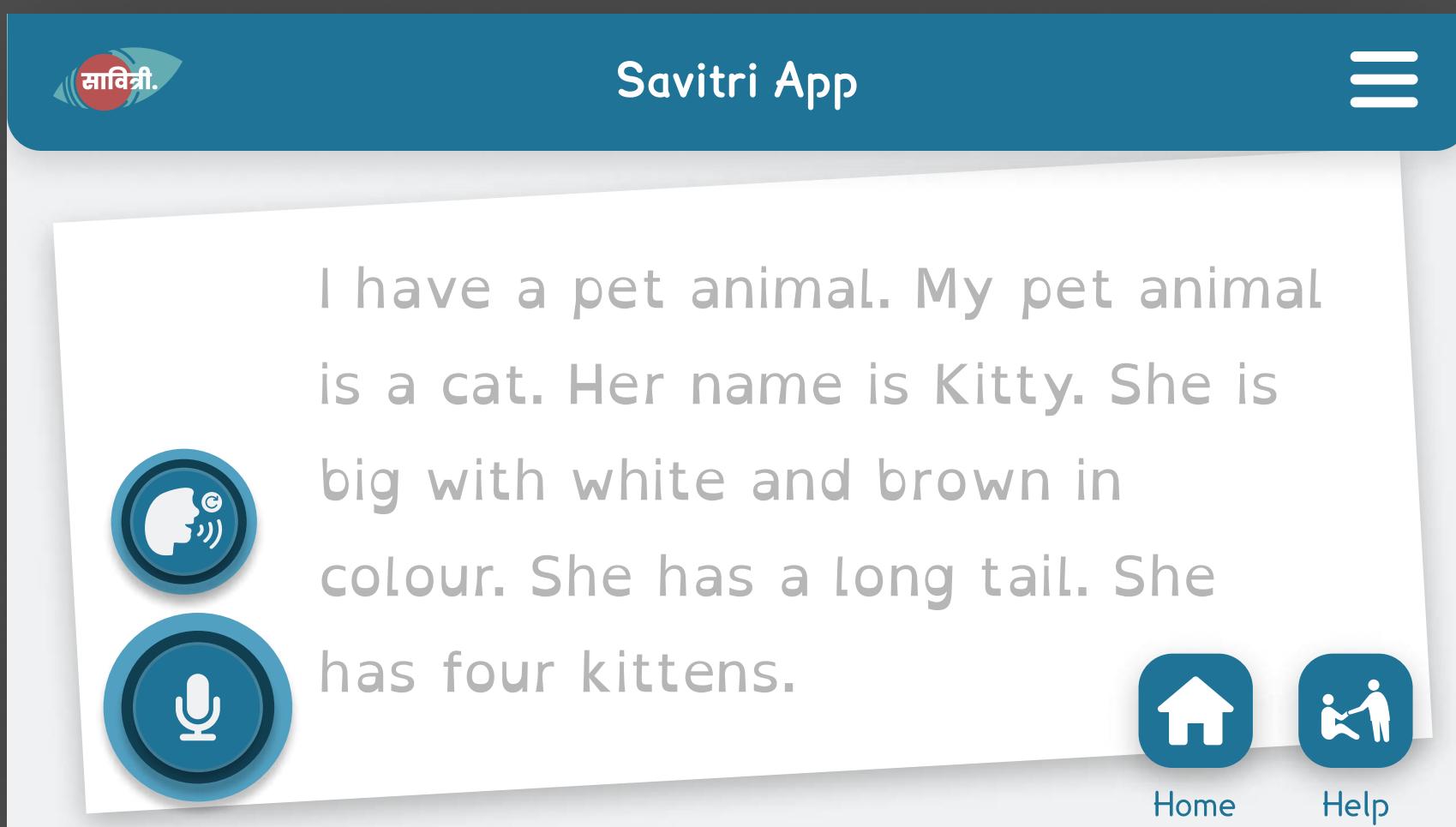
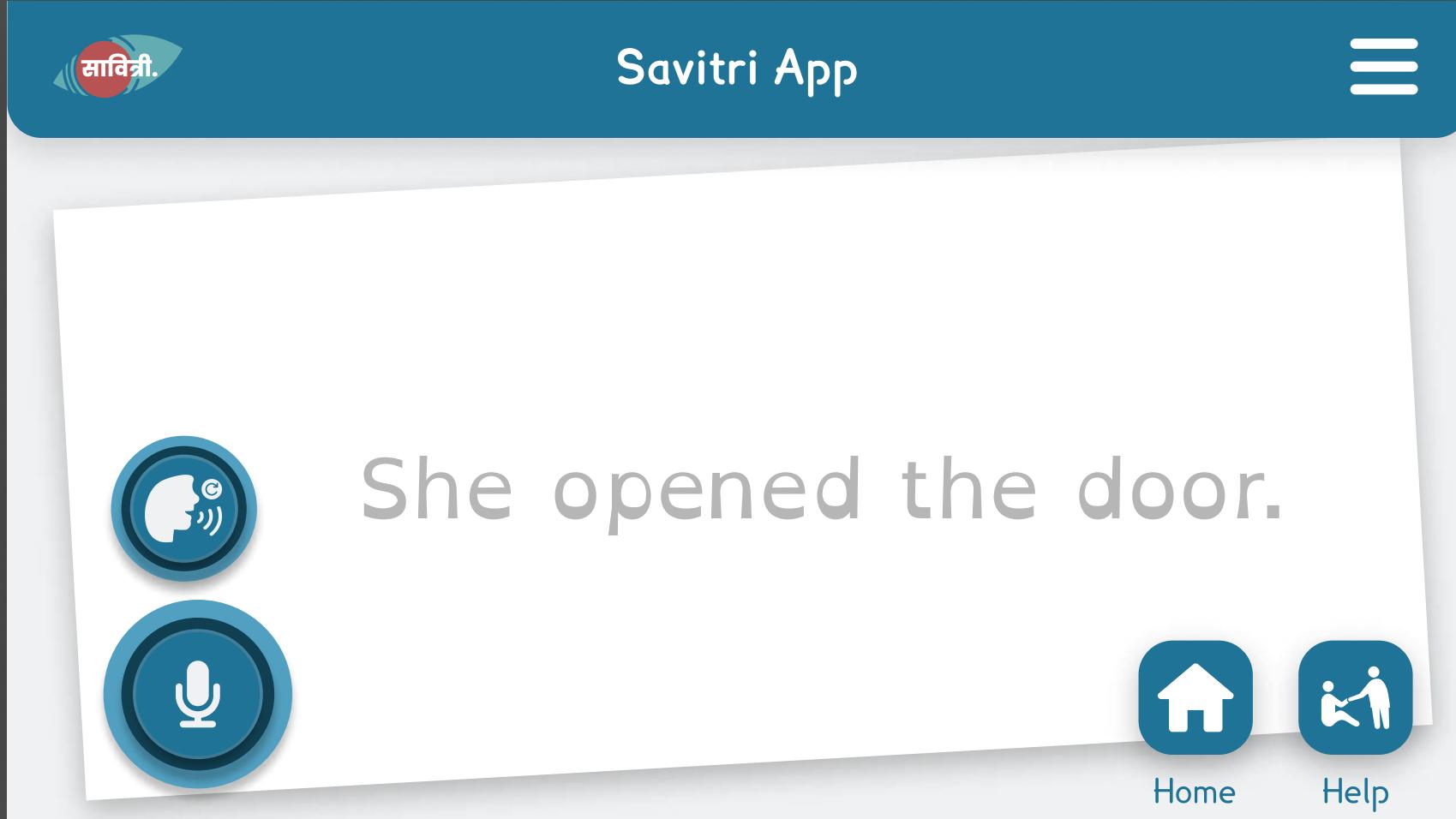
## PLAY ACTIVITIES - VOICE-REPEAT

Level of difficulty - **BASIC** Device - **LOW-END SMARTPHONE**



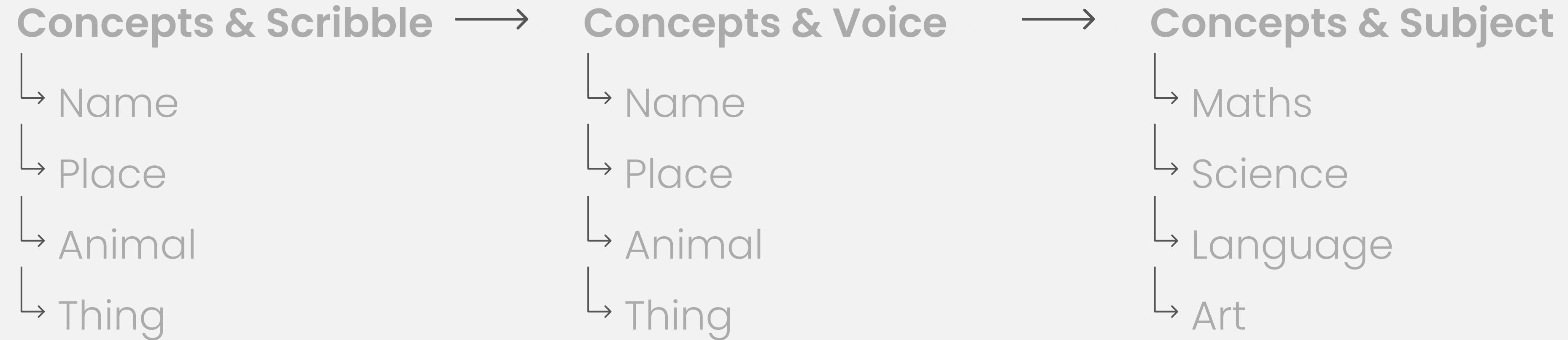


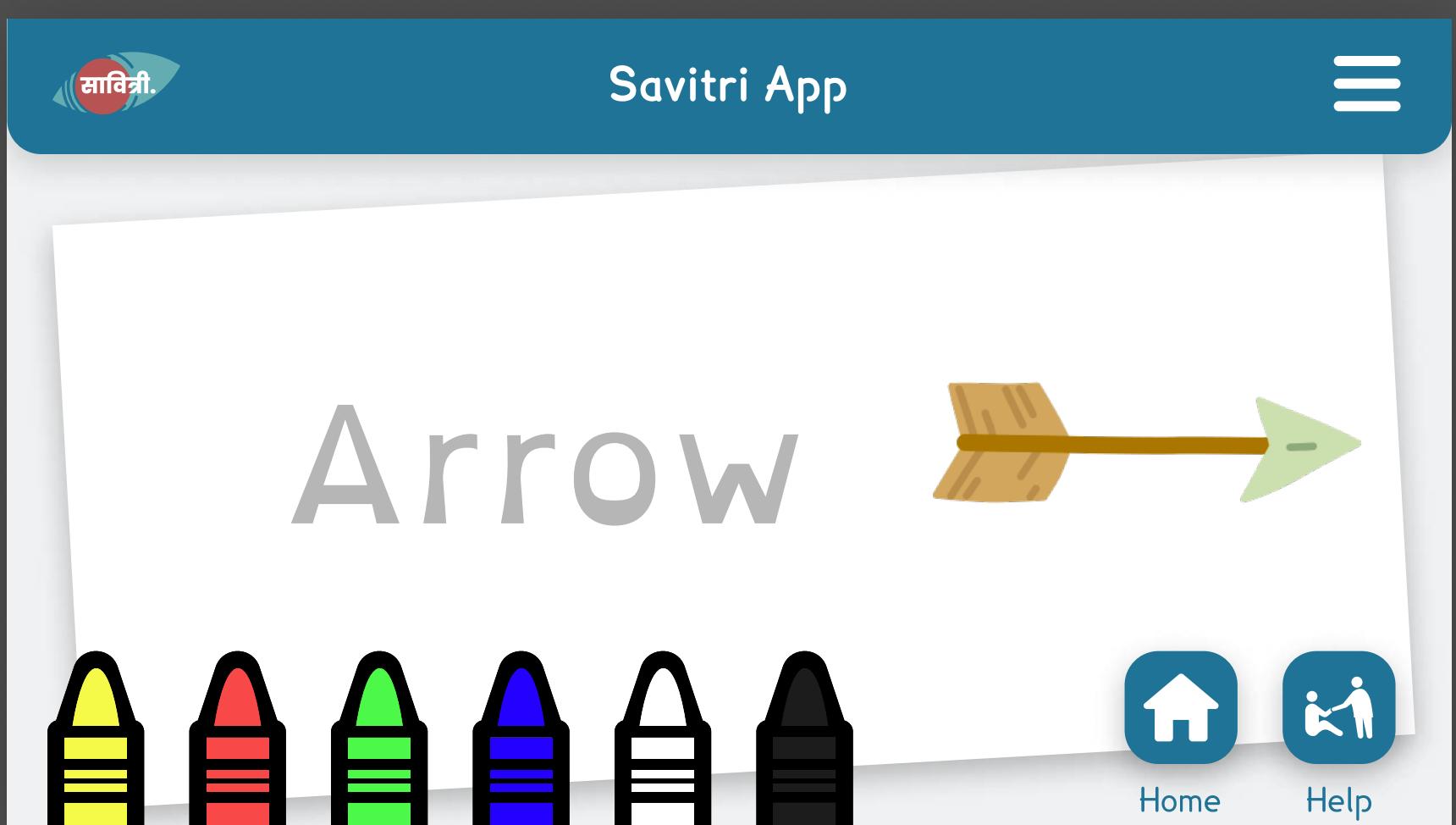


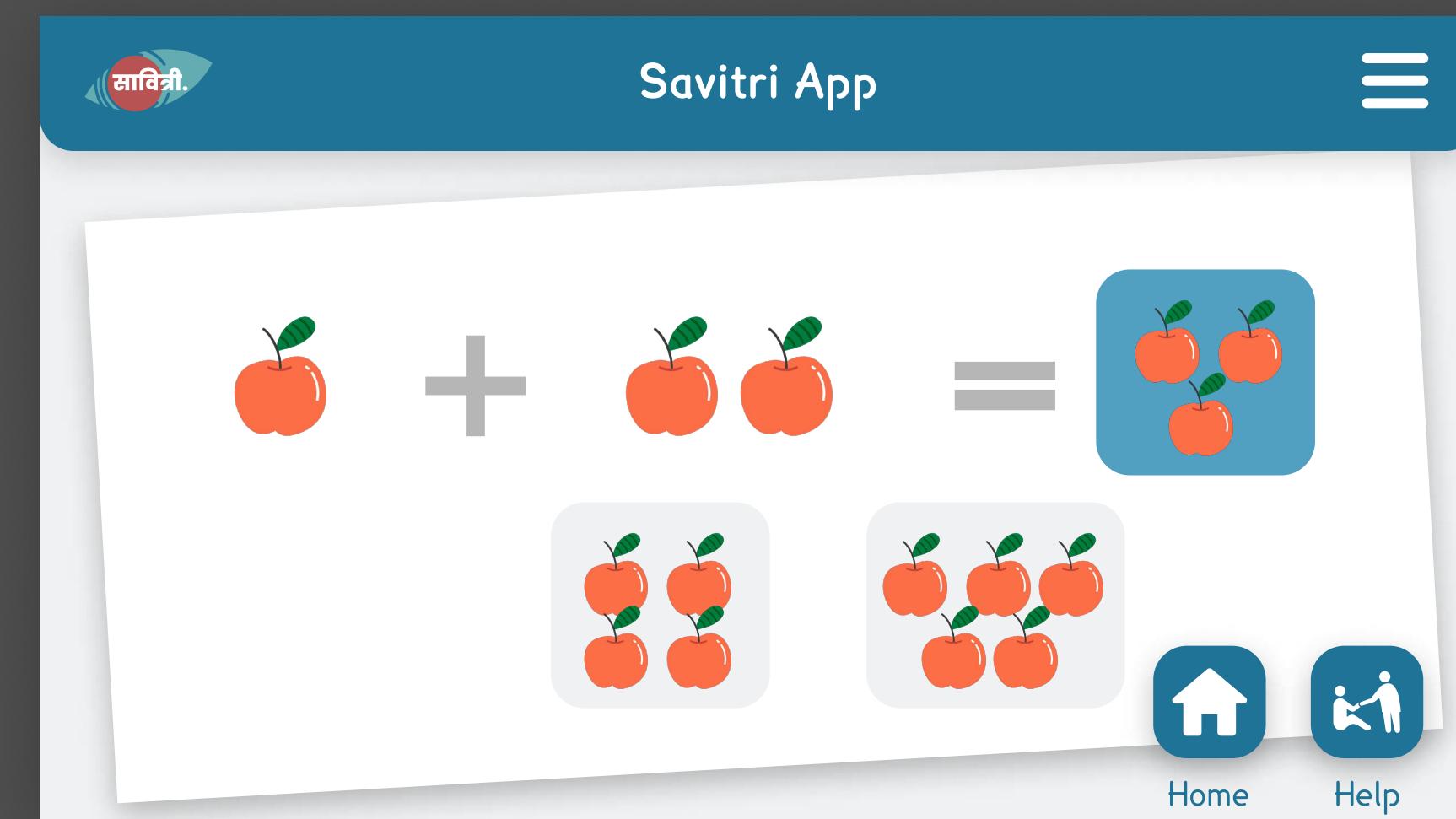
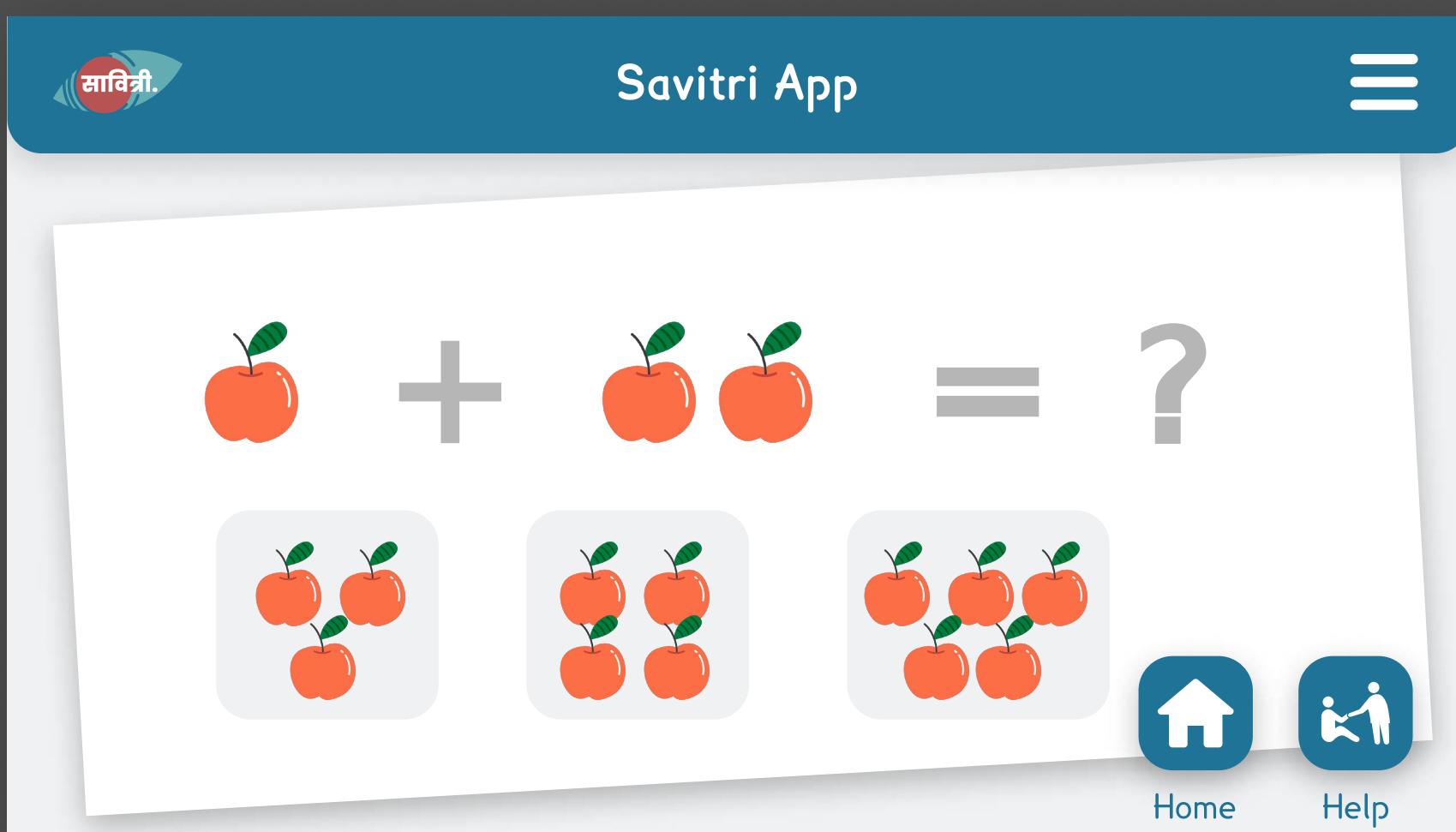
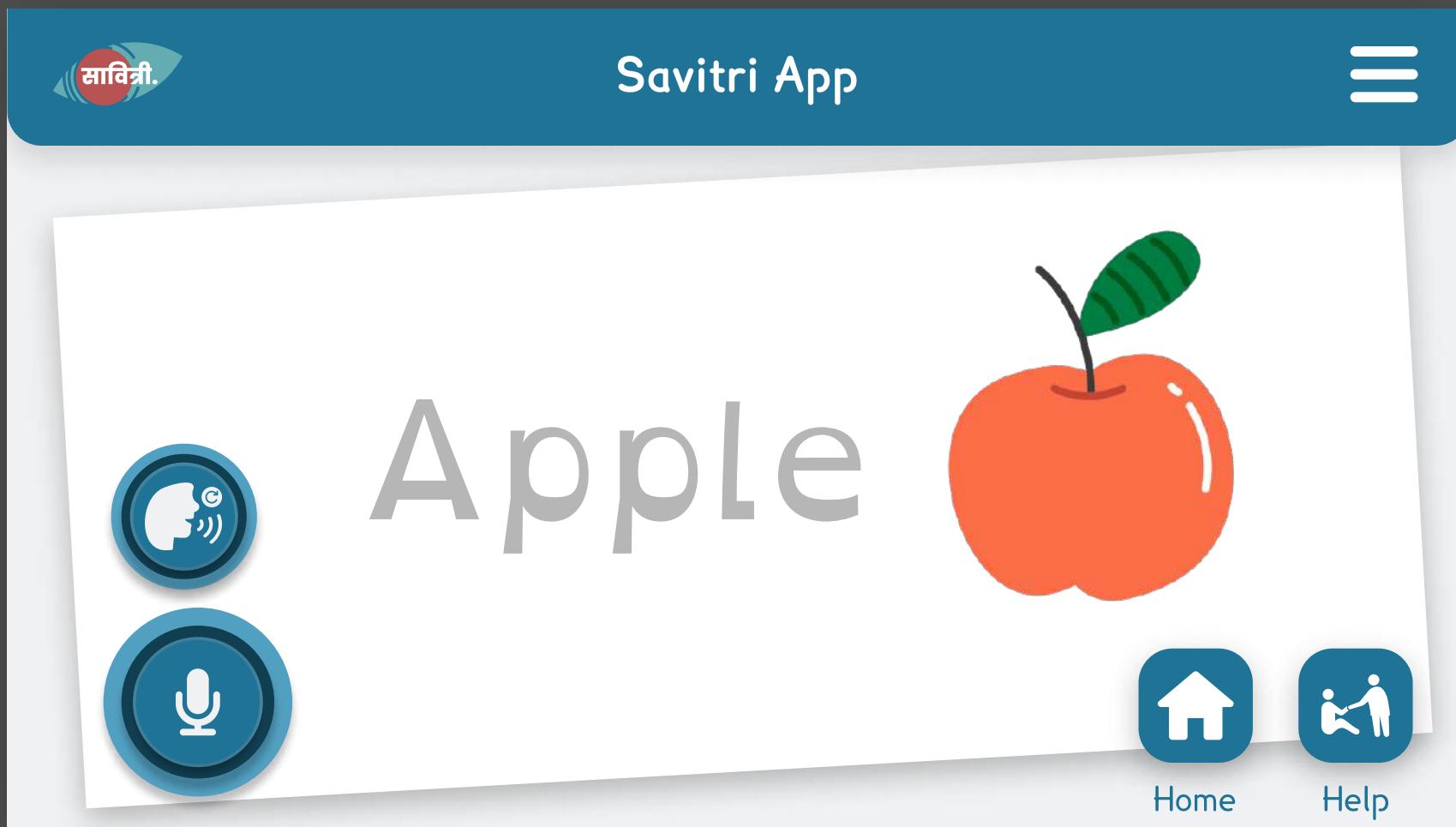


## PLAY ACTIVITIES – CONCEPT PLAYGROUND

Level of difficulty - **BASIC** Device - **LOW-END SMARTPHONE**

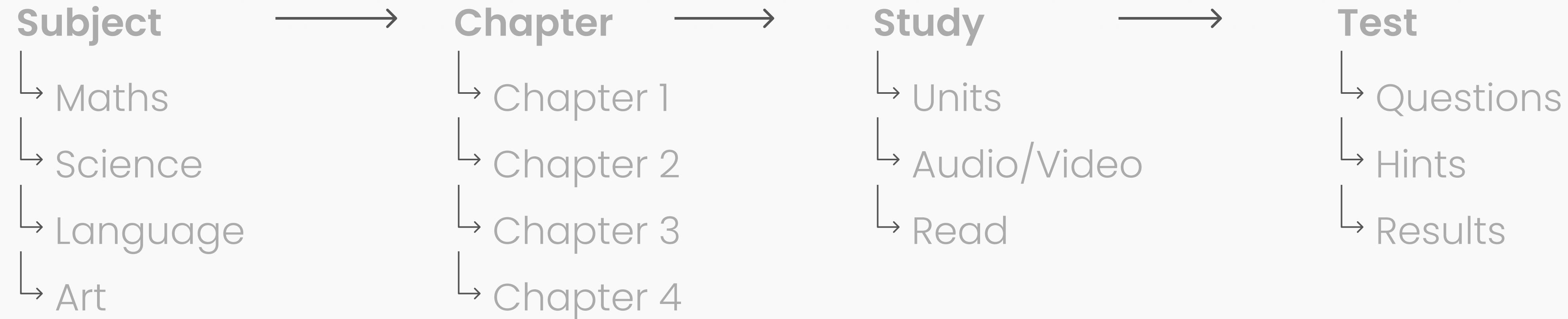


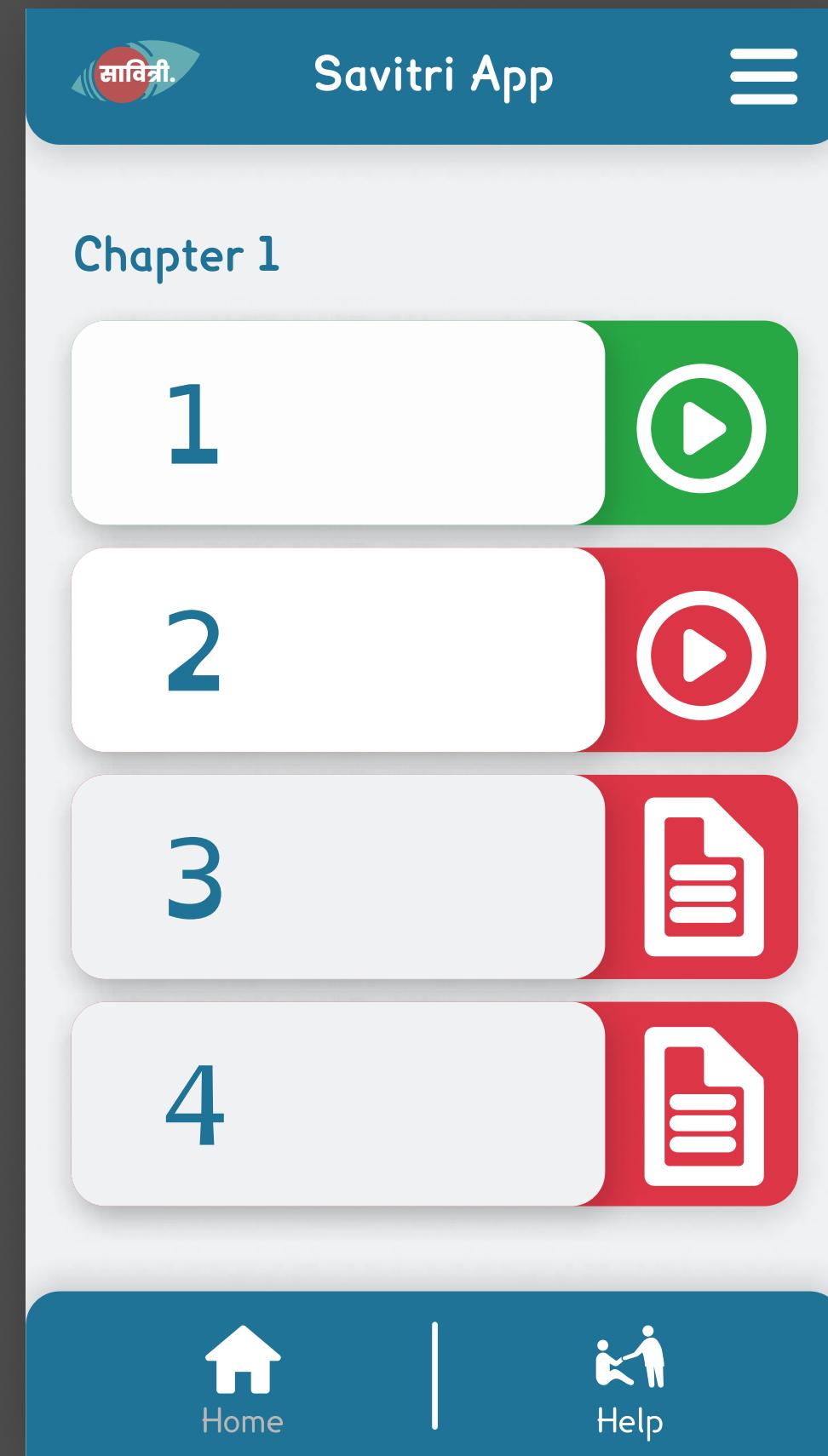
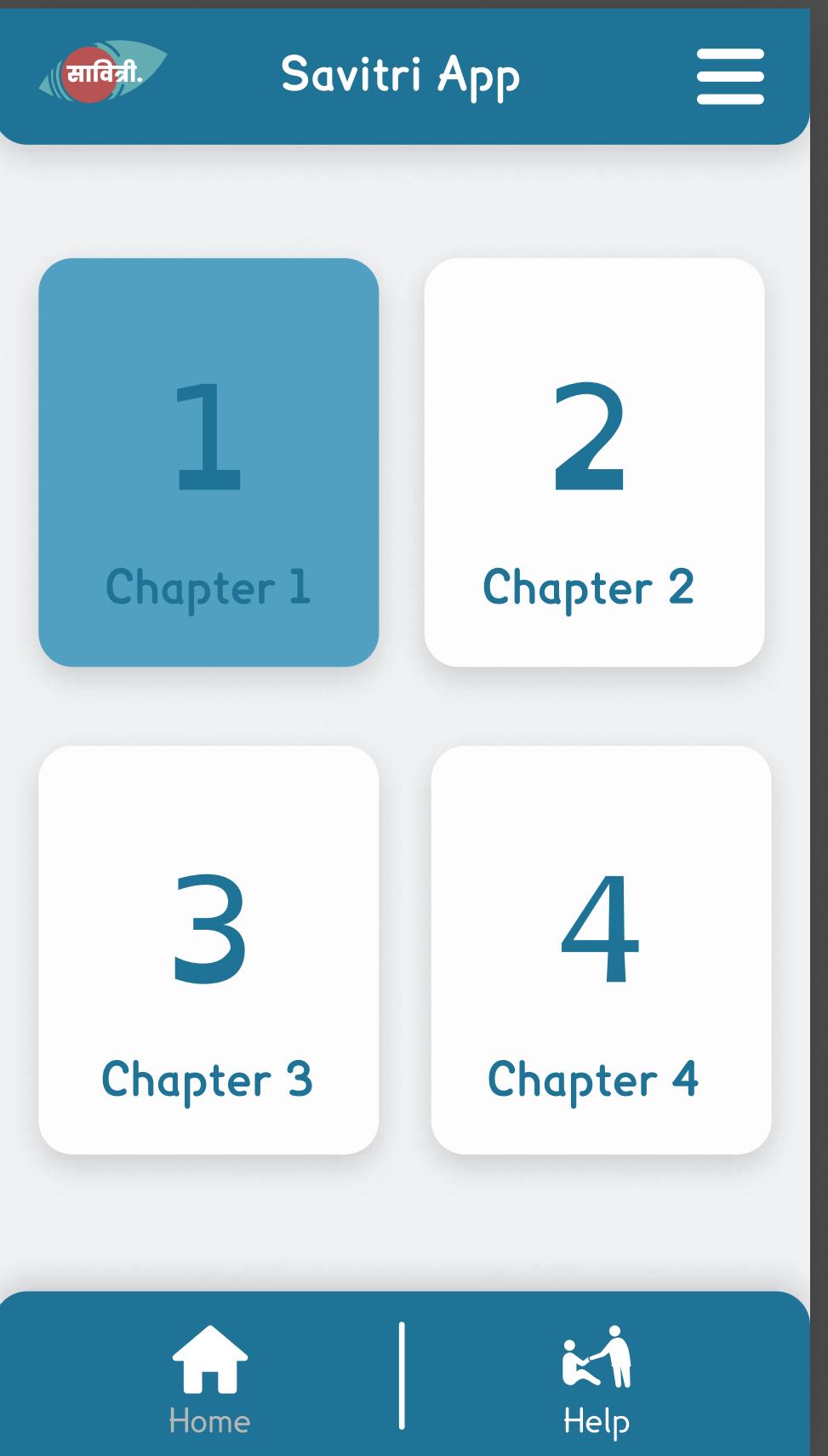
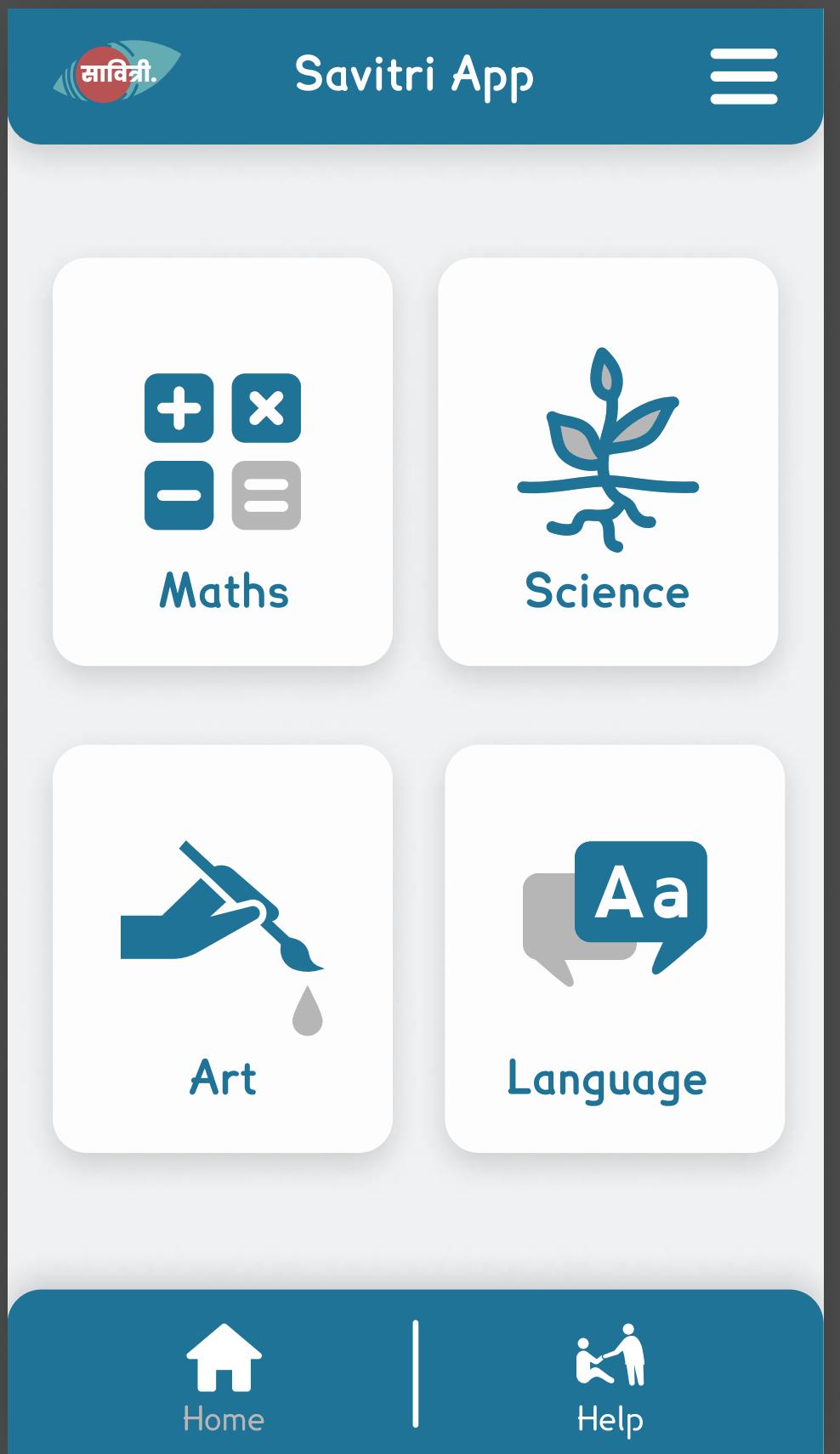




## LEARN ACTIVITIES

Level of difficulty - **BASIC** Device - **LOW-END SMARTPHONE**





MATHS > CHAPTER 1 > 1/4

$1 + 2 = 3$

Home   Help

Savitri App

Chapter 1

My favourite fruit is apple. It is sweet and delicious. It is health giving. It is a good disease fighter.

Home | Help

 Savitri App 

Test - 1

Q1. What is an Apple??

**A Fruit**    **An Animal**

 Hint     

 Home |  Help

 Savitri App 

Test - 1

**Hint** 



Apple can be eaten and can also be taken as Juice, which is also very healthy. We should eat apples daily because it is healthy for our bodies, as it purifies our blood and gives a glow to our face.

 Home |  Help

 Savitri App 

Result



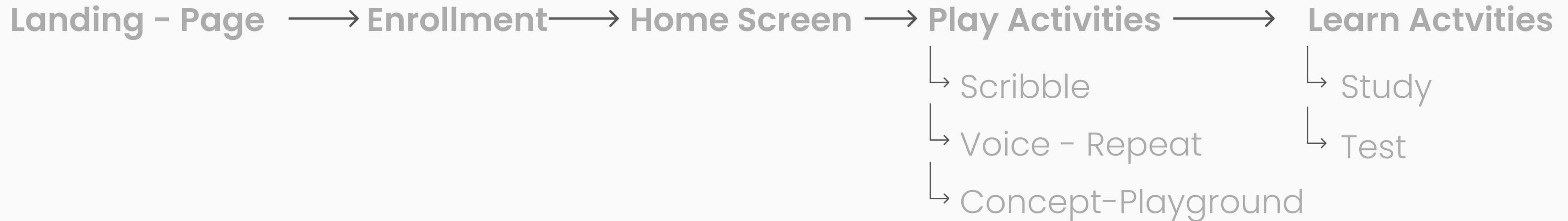
**Well Done!!!**  
**09/10 Correct**

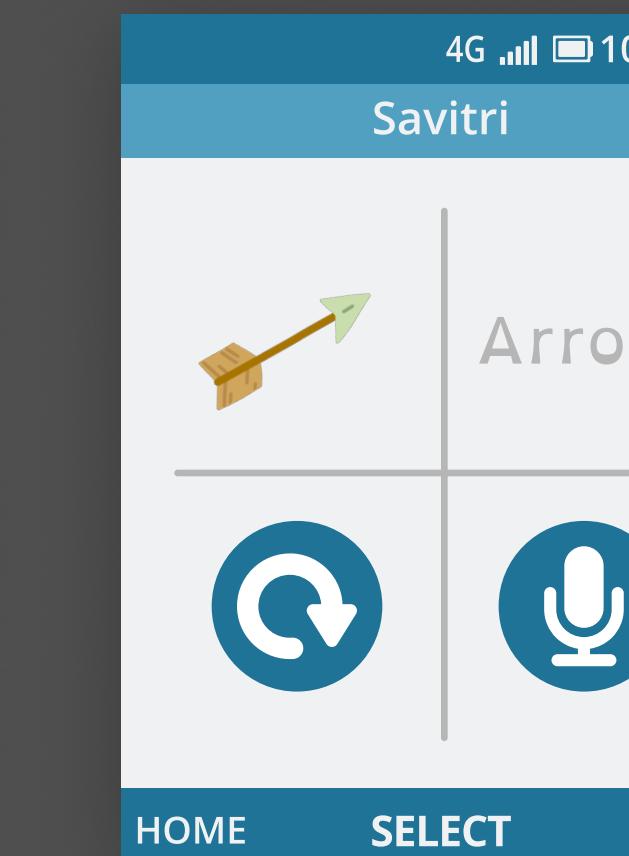
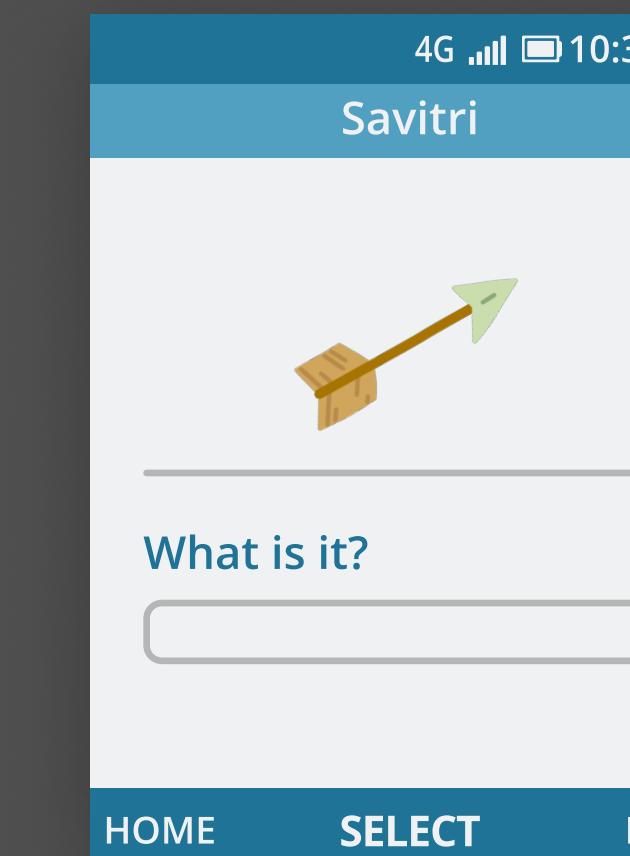
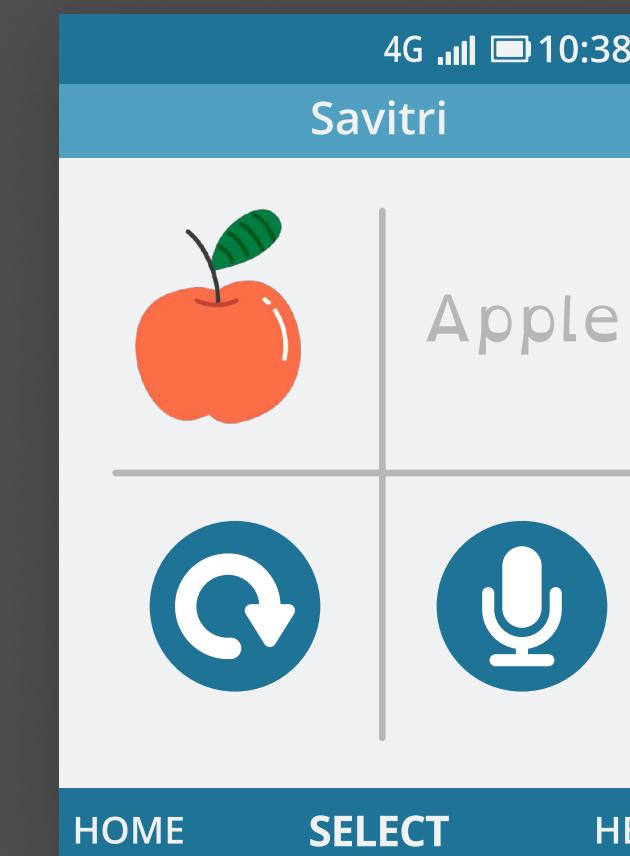
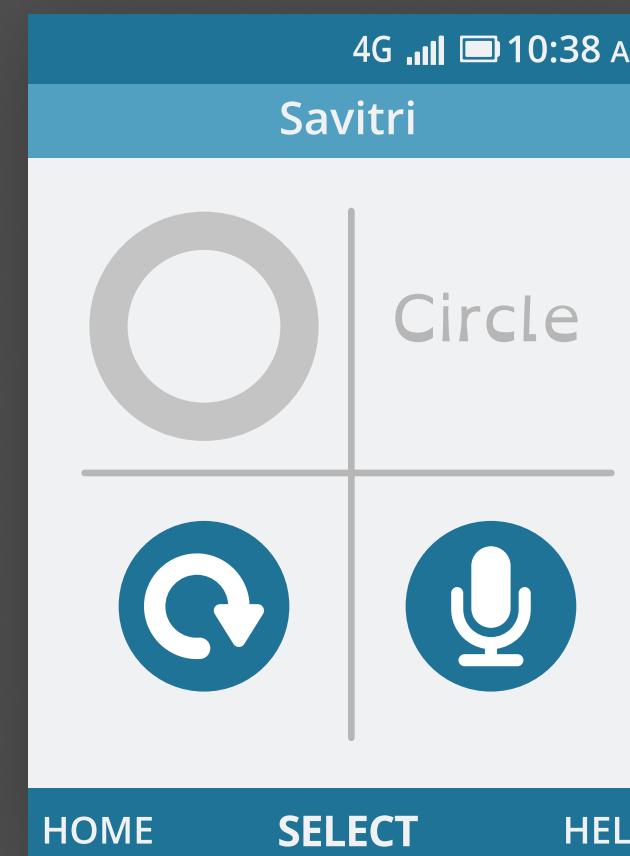
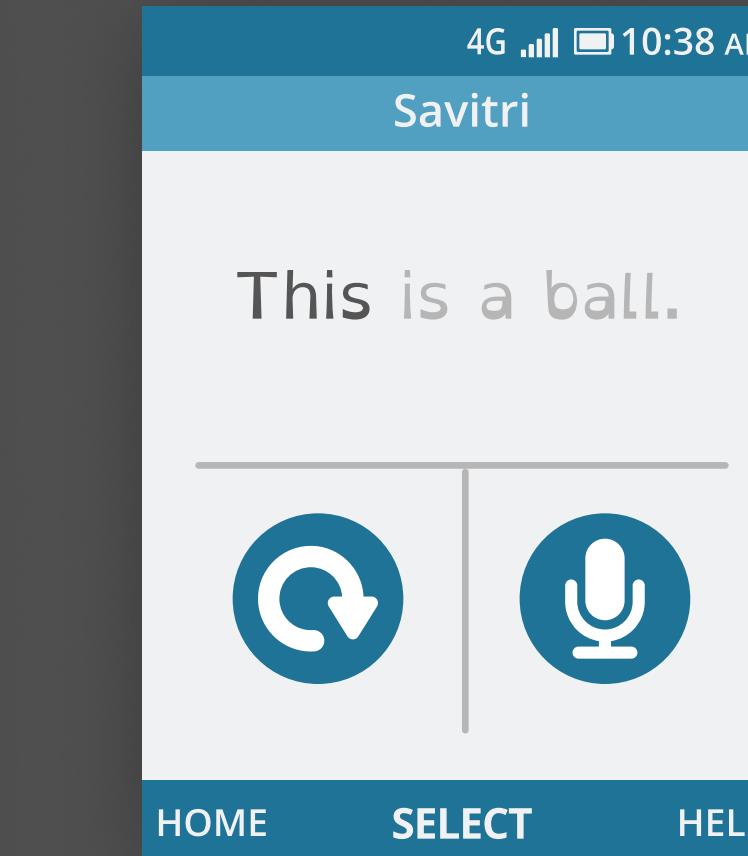
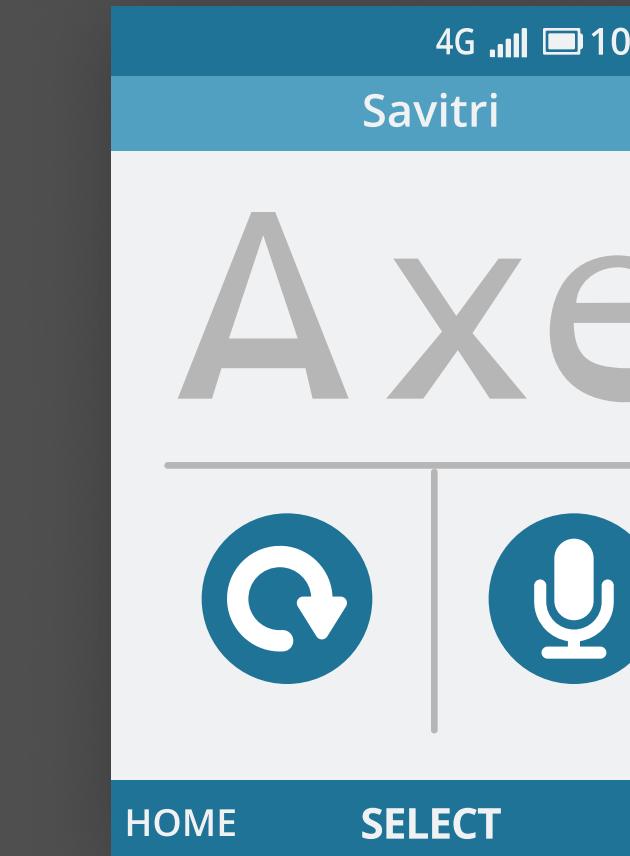
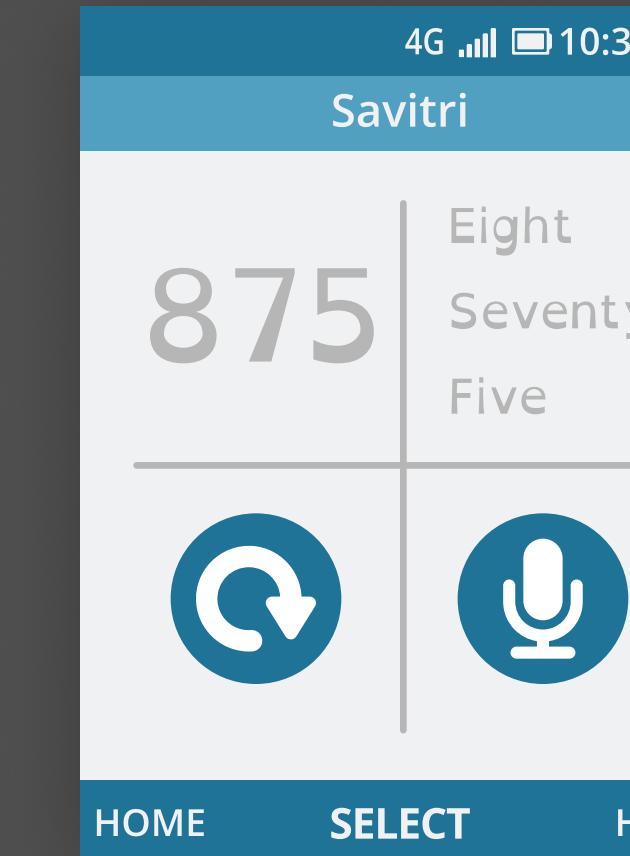
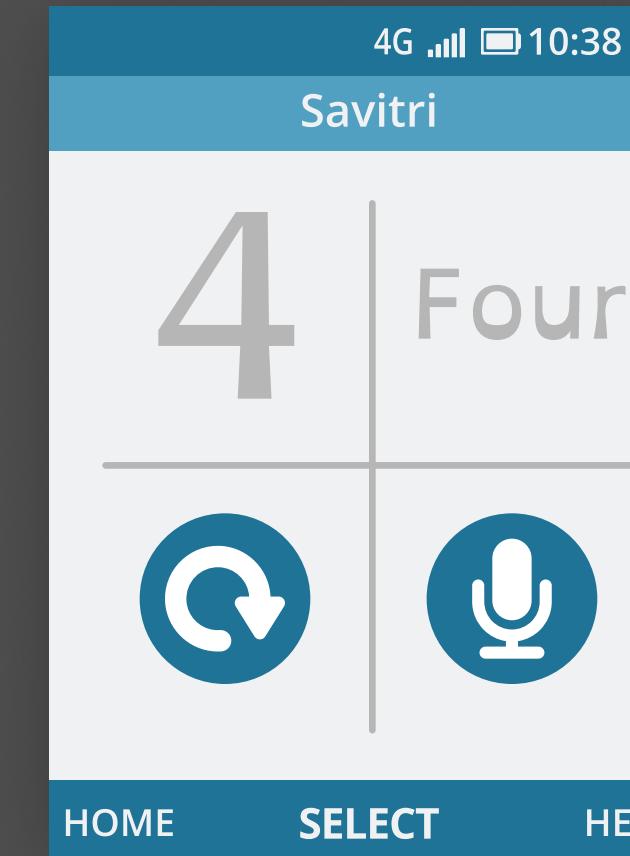
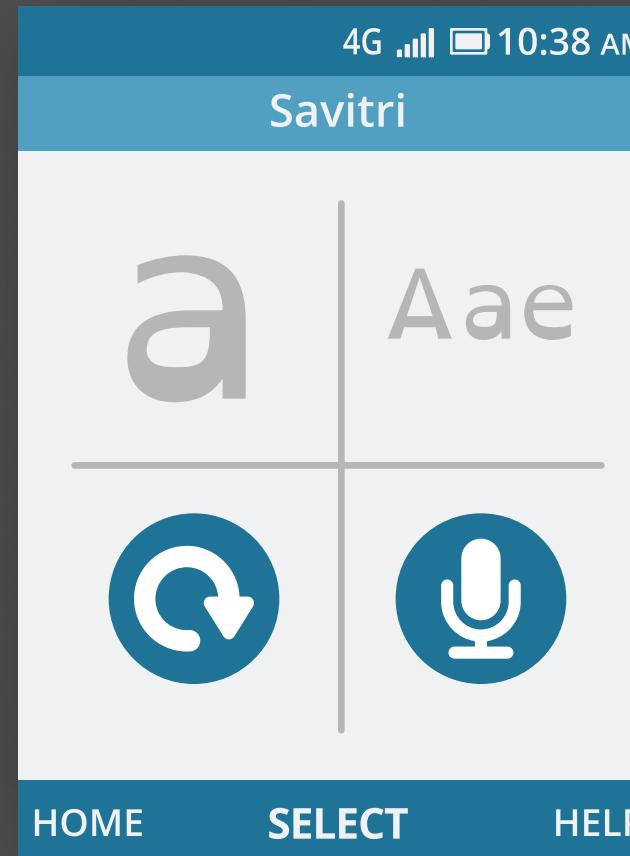
**Try Again**    **Exit**

 Home |  Help

## THE APP FLOW

Level of difficulty - **BASIC** Device - **FEATURE - PHONE**





# **Paper selected for publishing |** Institutionalizing Individual development through child-centered mechanisms in Indian Residential childcare NGOs

## Brief

We approach this research keeping in mind that we want to be able to empower the individual who is stuck in the clutches of a state regulated, institutionally operated residential childcare system.

## Methods Followed

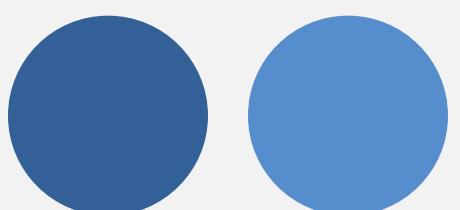
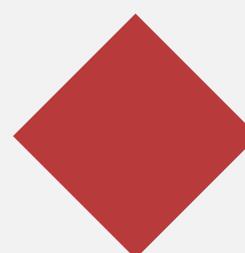
DESK RESEARCH

USER INTERVIEWS

CONTEXTUAL INQUIRY

## Deliverables

- Research Paper that highlights the findings



# Paper selected for publishing | Institutionalizing Individual development through child-centered mechanisms in Indian Residential childcare NGOs

WHO

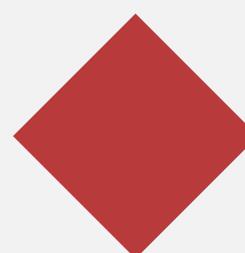
INDIVIDUALS  
IN  
INDIAN RESIDENTIAL  
CHILDCARE NGOs

WHY

- India has the largest children populations in the world (430 million), and along with that also has to handle one of the largest vulnerable child populations (40% of 430 million).
- Absence of a proper learning environment at home or in the community, inadequate parental emphasis on education, exposure to domestic violence and deviant practices, peer pressure and non-existent or inadequate coping mechanisms, financial hardship and emotional stress.

WHAT

- This paper works towards understanding the layered nature of problems surrounding the domain of residential childcare service delivery and working towards solutions.
- Through the conducted research, we arrive at a juncture, where we recommend a framework that can be implemented, based on a systems approach.



# Paper selected for publishing | Institutionalizing Individual development through child-centered mechanisms in Indian Residential childcare NGOs

HOW

- The framework would work as follows.
- The high level goals included following a systems approach that has child-centered mechanisms at its center which are built to create resilient futures for the children.
- The tailor made mechanisms would be built keeping in mind the traditional and cultural roots of the child, which that would increase the visibility and build the identity of the individual.
- These changes would be implemented on the ground through building talent identification and management systems, which would require an ICT based backbone.

WHERE

I had to perform contextual inquiry at the following places,

- Punarutthan-Samarsata-Gurukulam,Chinchwadgaon, Maharashtra.
- Nachiket-Balgram, Ravet, Pune, Maharashtra.
- Schools run by the Krantiveer Chaphekar Smarak Samitee, Chinchwad, Pune, Maharashtra.
- Vanavasi Kalyan Ashram, Jashpurnagar, Chattisgarh.

WHEN

This project was done over a period of 2 months from Dec-Jan 2020, and the paper was written during June-August 2020.



# **Paper selected for publishing | Institutionalizing Individual development through child-centered mechanisms in Indian Residential childcare NGOs**

WHERE

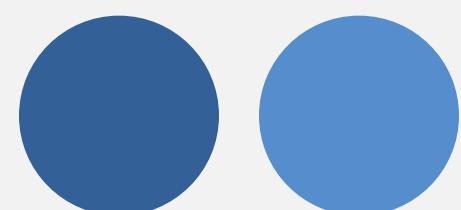
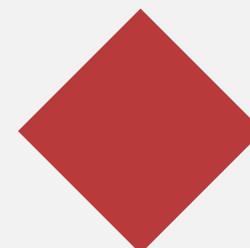
The following paper of mine will be published in conference proceedings by Springer LNNS.

WHEN

It is still in the process of publication, and would be published by the month of June - 2021.

ISBN Number - 2367-3370 Series:  
<https://www.springer.com/series/15179>

at the Fifth International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2020) held at Jaipur, Rajasthan, India



# Statistical Data Analysis | Water Usage Patterns in Urban Indian Households

## Brief

Perform a statistical analysis about water usage patterns in urban Indian households after collecting relevant data from a questionnaire designed.

## Methods Followed

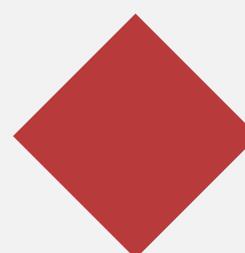
DESK RESEARCH

QUESTIONNAIRE

SPSS SOFTWARE ANALYSIS

## Deliverables

- Documentation showcasing results from the study undertaken



# Statistical Data Analysis | Water Usage Patterns in Urban Indian Households

WHO

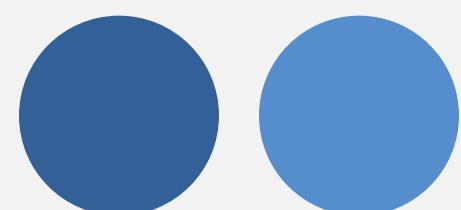
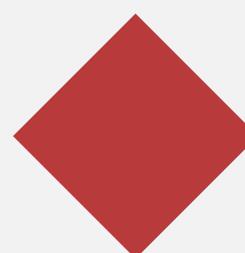
RESIDENTS  
LIVING IN  
URBAN MIDDLE  
CLASS SPACES

WHY

- India is facing its worst-ever water crisis, with some 600 million people facing acute water shortage, a government think-tank says. It also warns that 21 cities are likely to run out of groundwater by 2020 despite increasing demand.
- Things just cannot be business as usual. If they are, we are looking at, extinction.

WHAT

- We are observing patterns and behaviors of water usage in urban middle class households across the demographic dividend.
- Looking for gaps and practices that need interventions. Looking for insights and behaviors when it comes to alternative water usage and storage practices



# Statistical Data Analysis | Water Usage Patterns in Urban Indian Households

HOW

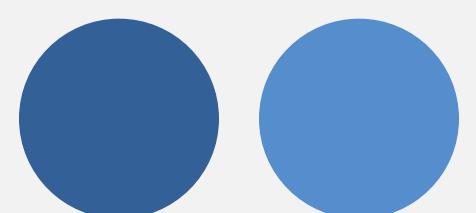
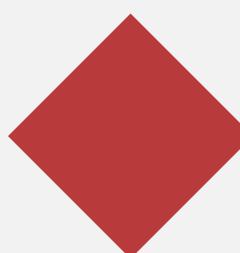
- The main objective of the study was to perform a statistical analysis on our topic after collecting relevant data from a questionnaire we designed.
- The major objective of the questionnaire was to collect different types of data from it, which would later be used to make different null hypotheses. These null hypotheses were then tested in the IBM SPSS (Statistical Package for the Social Sciences) software.  
The main criterias to test were – Normality of the Variable, Data Measurement Scale Type (Data Type), Type of Relation between the variables.

WHERE

- There were a total of 86 respondents to the final questionnaire.
- The questionnaire was sent to all remotely.

WHEN

- The study was done during the months of Sept-October 2020.



## Questionnaire

How would you identify your gender?  
Would you please tell your age?  
How would you identify your marital status?  
Would you please tell the number of members in your household?  
Would you please tell the number of kids living with you?  
Would you please tell the number of senior-citizens living with you?  
Which among these best define your house?  
Where do you get the water supply in your household?  
How do you get the drinking water in your household?  
Do you have a water purifier in your household(RO/UV etc)?  
How regularly do you wash your vehicles in a week?  
If you have plants in your household, how do you water them?  
How do you prefer to take a bath?  
If you use a shower, how long do you take to shower?  
If you use a bucket, how many buckets of water do you use?  
What is your preferred method to wash clothes at your house?  
If you use a washing machine, what type of a machine is it?  
What is it that you prefer to clean your house?  
If you use a wet-mop/cloth, how regularly do you use it to clean your house?  
If you use wet-mop/cloth, how many buckets of water do you use?  
How many glasses of water do you drink in a day?  
Do you have leaking taps in your house?  
Do you re-use the water that you have used to clean your house?  
Do you have Rain-Water Harvesting in your society/household?  
Do you have sewage water treatment plants in your society/households?  
If you have a RO filter, do you re-use the waste water that is produced?  
If you have an AC, do you re-use the waste water produced?  
Do you think you use water judiciously?

## QUESTIONNAIRE PREPARED

The questions raised were from all aspects of activities that people generally do in their households.

# PROCESS AND PROGRESS

	Bell-Shaped Curve	Skewness	Kurtosis	Kolmogorov-Smirnov	Shapiro-Wilk	Normality
Gender	yes	no	yes	no	no	no
Age	no	yes	yes	no	no	no
Marital Status	no	yes	yes	no	no	no
Family Amount	yes	no	no	no	no	no
Kids Amount	no	yes	no	no	no	no
BB-amount	no	no	yes	no	no	no
House	yes	no	yes	no	no	no
Purifier	yes	no	no	no	no	no
Car wash Freq	no	yes	no	no	no	no
water plant	no	no	no	no	no	no
Bath	no	yes	no	no	no	no
Showers freq	no	yes	yes	no	no	no
Cloth wash	yes	no	no	no	no	no
Machinetype	no	no	no	no	no	no
Home clean	no	no	no	no	no	no
wet mop freq	no	no	no	no	no	no
Wet mop amnt	yes	no	no	no	no	no
Drinking amnt	no	no	no	no	no	no
Leaking tap	yes	no	yes	no	no	no
reuse cleaning	no	no	no	no	no	no
Rain water har.	yes	no	yes	no	no	no
Sewage	no	no	no	no	no	no
reuse RO	no	no	yes	no	no	no
reuse AC	no	no	yes	no	no	no
Judicious use	no	no	no	no	no	no

## Hypotheses

All the hypotheses here are assumed as null, the tests are performed to show whether we accept or reject the null hypothesis.

### Association Hypotheses

Null Hypothesis	
H0-1	There is no significant association between the gender and the frequency at which the car is washed.
H0-2	There is no significant association between the gender and the preferred method to water the plants.
H0-3	There is no significant association between the gender and the preferred method to take a bath.
H0-4	There is no significant association between the gender and the duration for which they take a shower.
H0-5	There is no significant association between the gender and the preferred method to wash the clothes.
H0-6	There is no significant association between the gender and the type of washing machine used.
H0-7	There is no significant association between the gender and the preferred method to clean the house.
H0-8	There is no significant association between

### Association Hypotheses

H0-61	There is no significant association between the different genders and the reusing of water of the RO.
H0-62	There is no significant association between the different genders and the reusing of water of the AC.
H0-63	There is no significant association between the different genders and whether they view themselves as judicious with water usage.
H0-64	There is no significant association between the different marital status and the reusing of water used after cleaning.
H0-65	There is no significant association between the different marital status and the reusing of water of the RO.
H0-66	There is no significant association between the different marital status and the reusing of water of the AC.
H0-67	There is no significant association between the different marital status and whether they view themselves as judicious with water usage.
H0-68	There is no significant association between the different ages and the reusing of water used after cleaning.

## Testing Methods Used

### Spearman's Rho Test

The Spearman's rank-order correlation is the nonparametric version of the Pearson product-moment correlation. Spearman's correlation coefficient, ( $\rho$ , also signified by  $r_s$ ) measures the strength and direction of association between two ranked variables.

### Chi-Square Test

A chi-square test for independence compares two variables in a contingency table to see if they are related. In a more general sense, it tests to see whether distributions of categorical variables differ from each another.

### Mann-Whitney U Test

The Mann-Whitney U test is used to compare differences between two independent groups when the dependent variable, but not normally distributed.

### Kruskal Wallis Test

The Kruskal-Wallis H test is a rank-based nonparametric test that can be used to determine if there are statistically significant differences between two or more groups of an independent variable on dependent variable.

*Please click the below link to access the extensive documentation of the project.*

**<http://bit.ly/SDA-Water-Usage-01687>**

# UML diagrams | Interoperability Framework for e-Governance to ensure efficient service delivery

## Brief

To build UML diagrams for the Interoperability Framework being developed to ensure efficient service delivery.

## Methods Followed

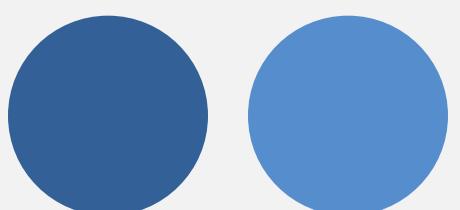
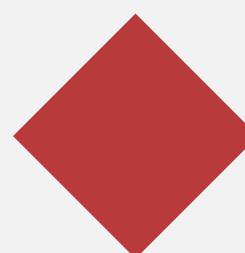
DESK RESEARCH

UNIFIED MODELLING LANGUAGE

USER INTERVIEWS

## Deliverables

- 11 UML Diagrams
- SRS documentation for the system



# UML diagrams | Interoperability Framework for e-Governance to ensure efficient service delivery

WHO

WHY

WHAT

PUBLIC AGENCIES

PROVIDERS OF  
E-SERVICES

CITIZENS/PUBLIC

ICT INDUSTRY

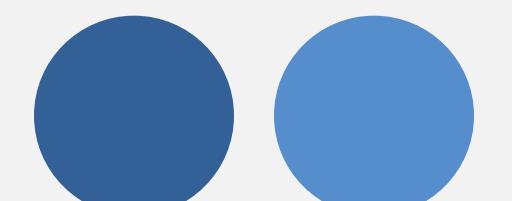
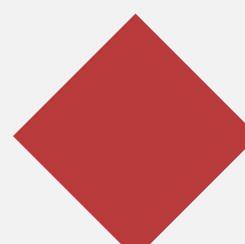
STANDARDS BODIES

-The Government of India is rapidly advancing in e-Governance through various Mission Mode and other e-Governance Projects designed to efficiently deliver services to citizens.

- However, ensuring Interoperability amongst various e-Governance systems and applications is very important.

- Without the assurance of interoperability, citizens will have fragmented interactions with several agencies

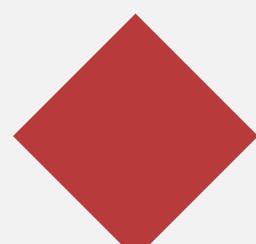
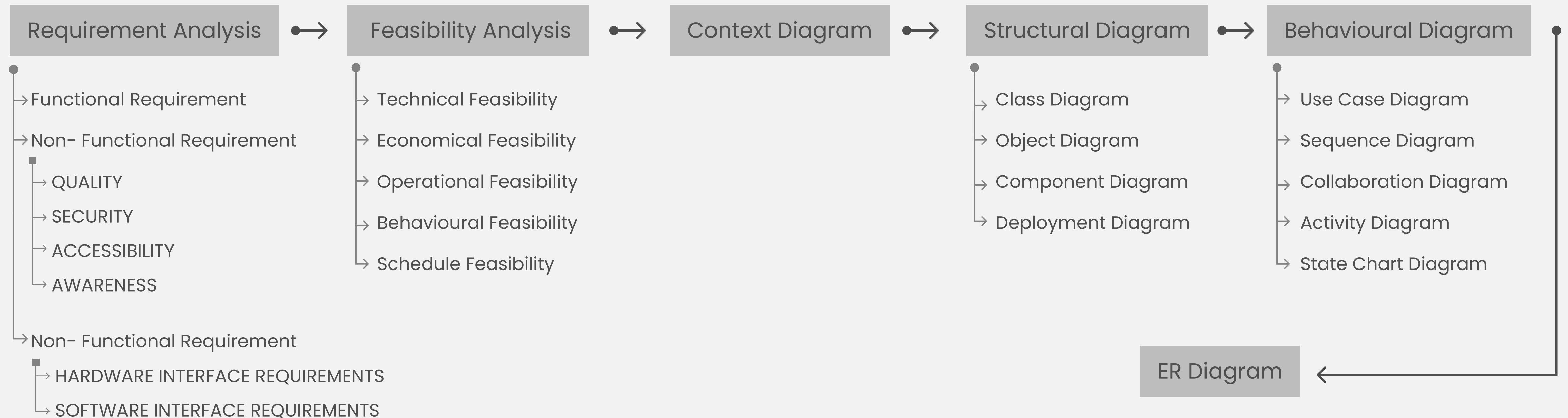
- This is a SRS documentation that involves different Unified Modelling Language Diagrams to represent the system suggested.



# UML diagrams | Interoperability Framework for e-Governance to ensure efficient service delivery

HOW

- This is how I approached the project, and the diagrams that I had to make.



# **UML diagrams |** Interoperability Framework for e-Governance to ensure efficient service delivery

WHERE

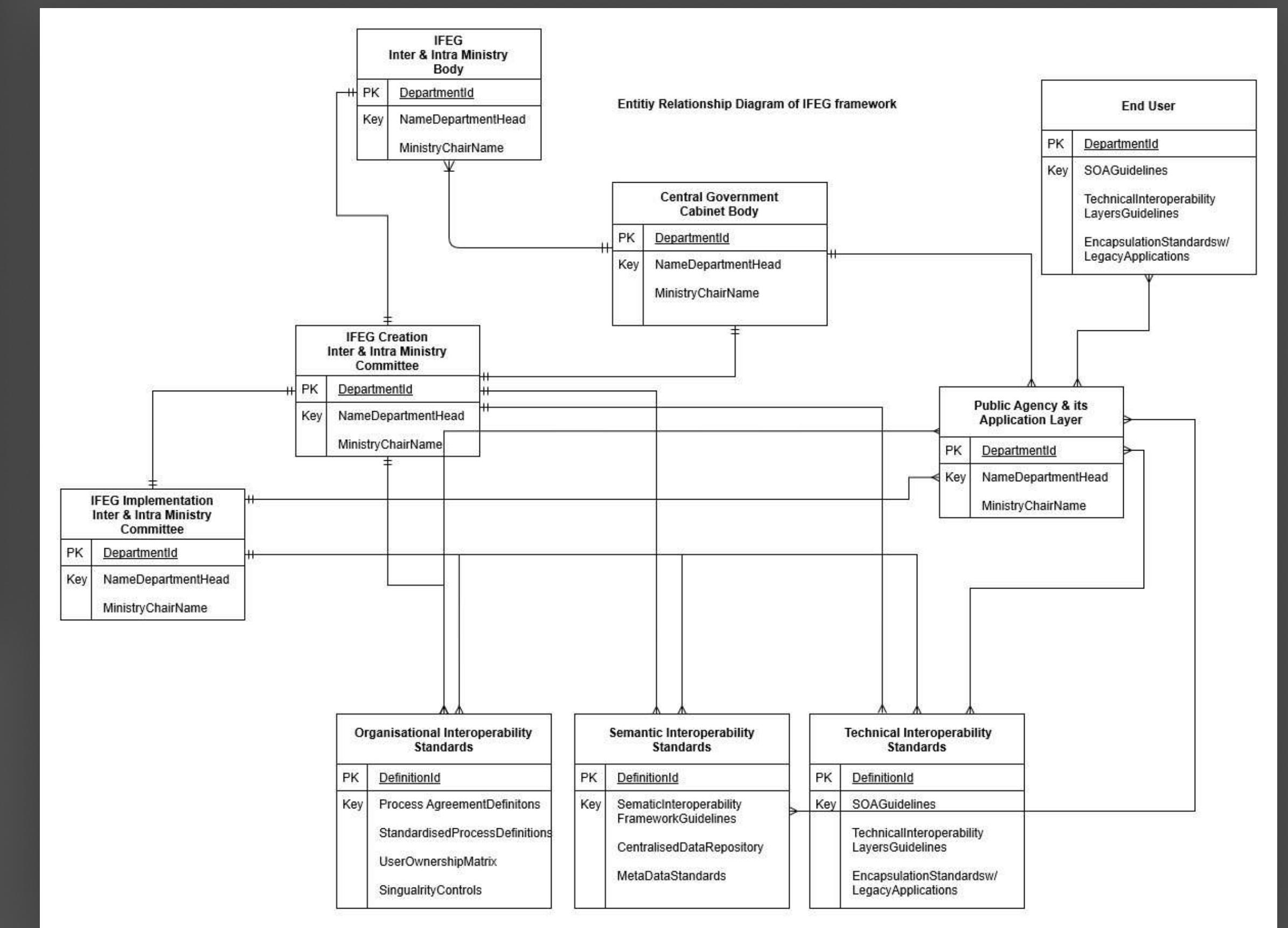
- It is a representation of guidelines from the framework, and can be followed as and when, chosen by the necessary agency.

WHEN

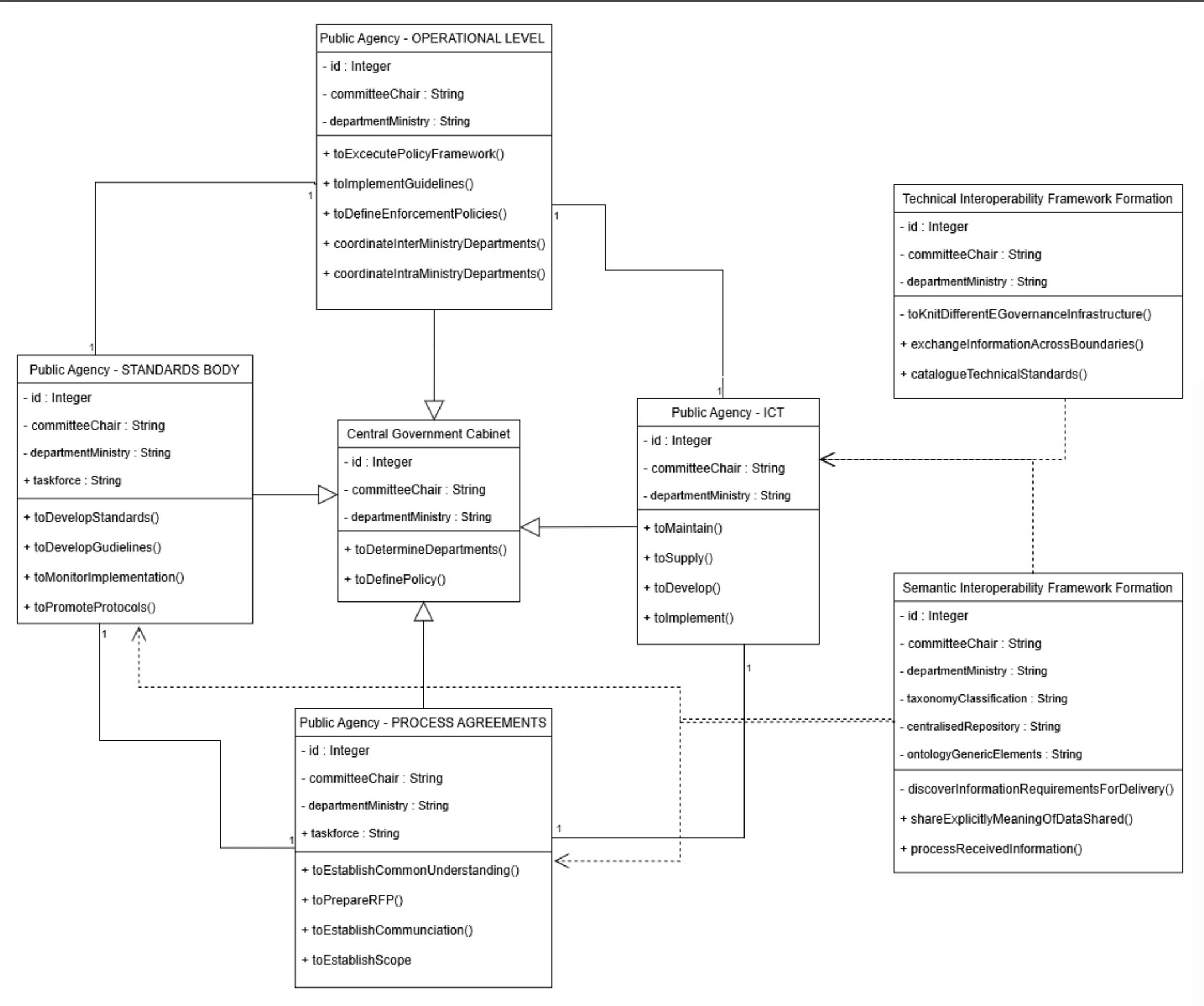
- The project was done during the period of March-April 2020.



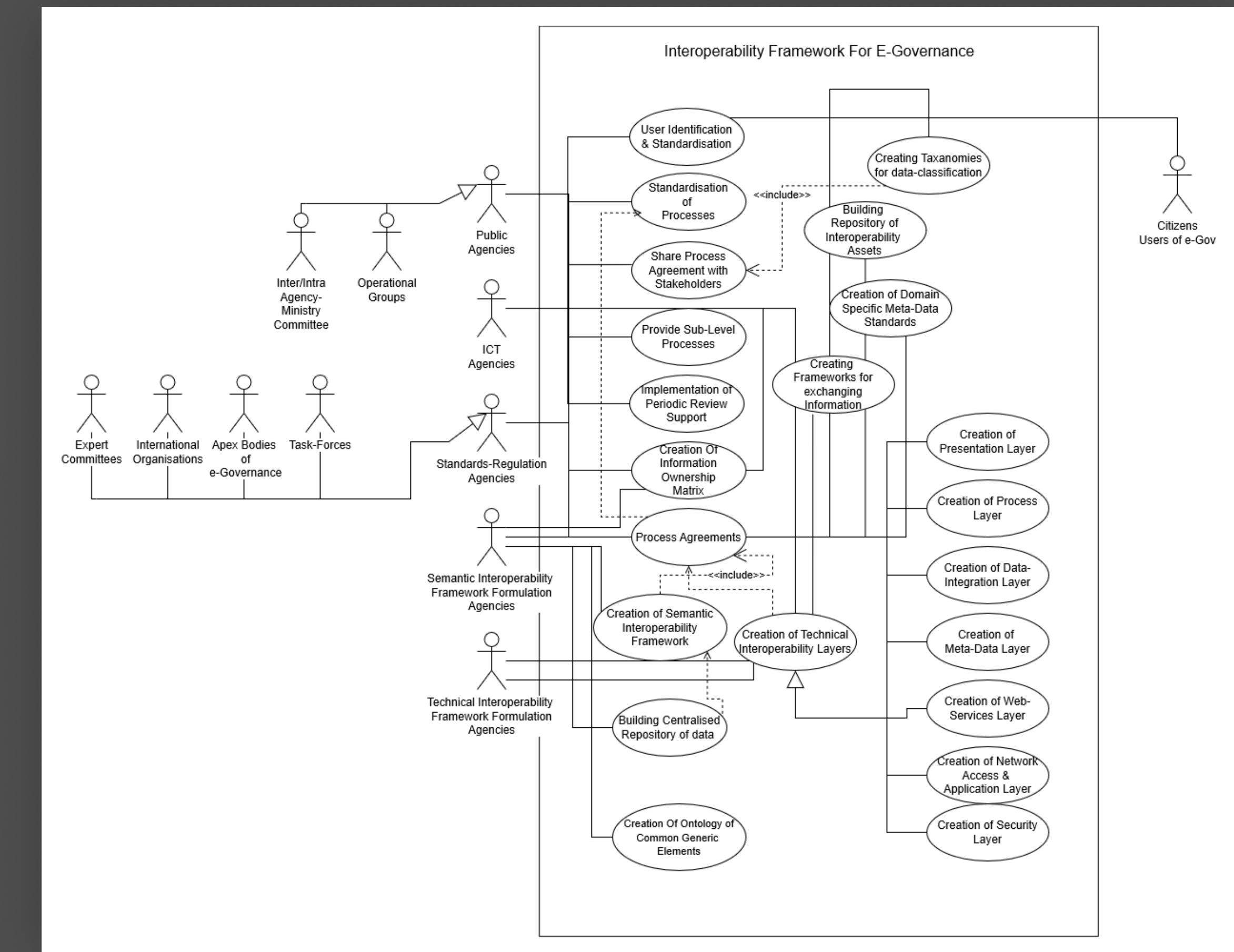
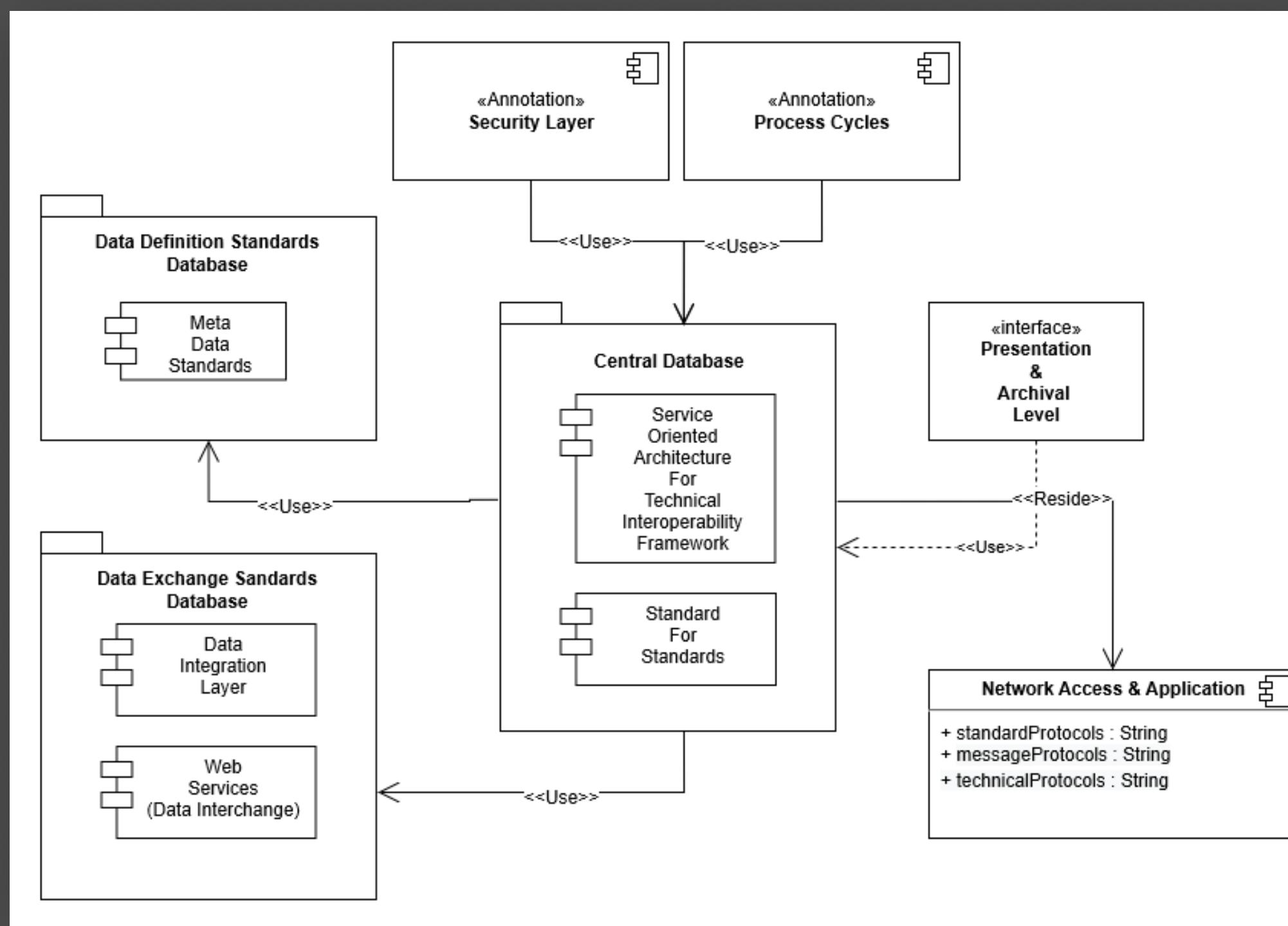
# ER - DIAGRAM



# CLASS DIAGRAM

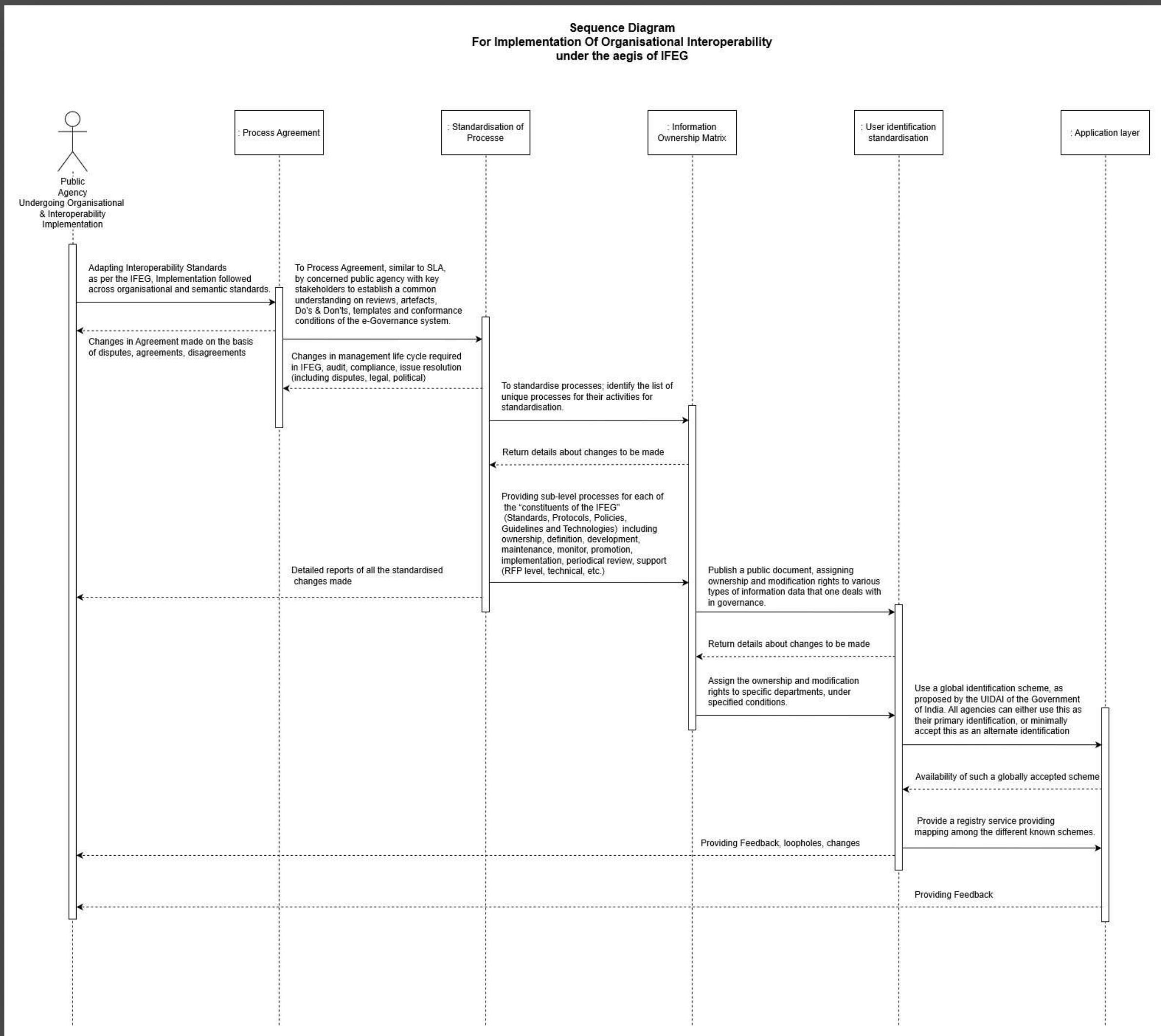


# COMPONENT DIAGRAM

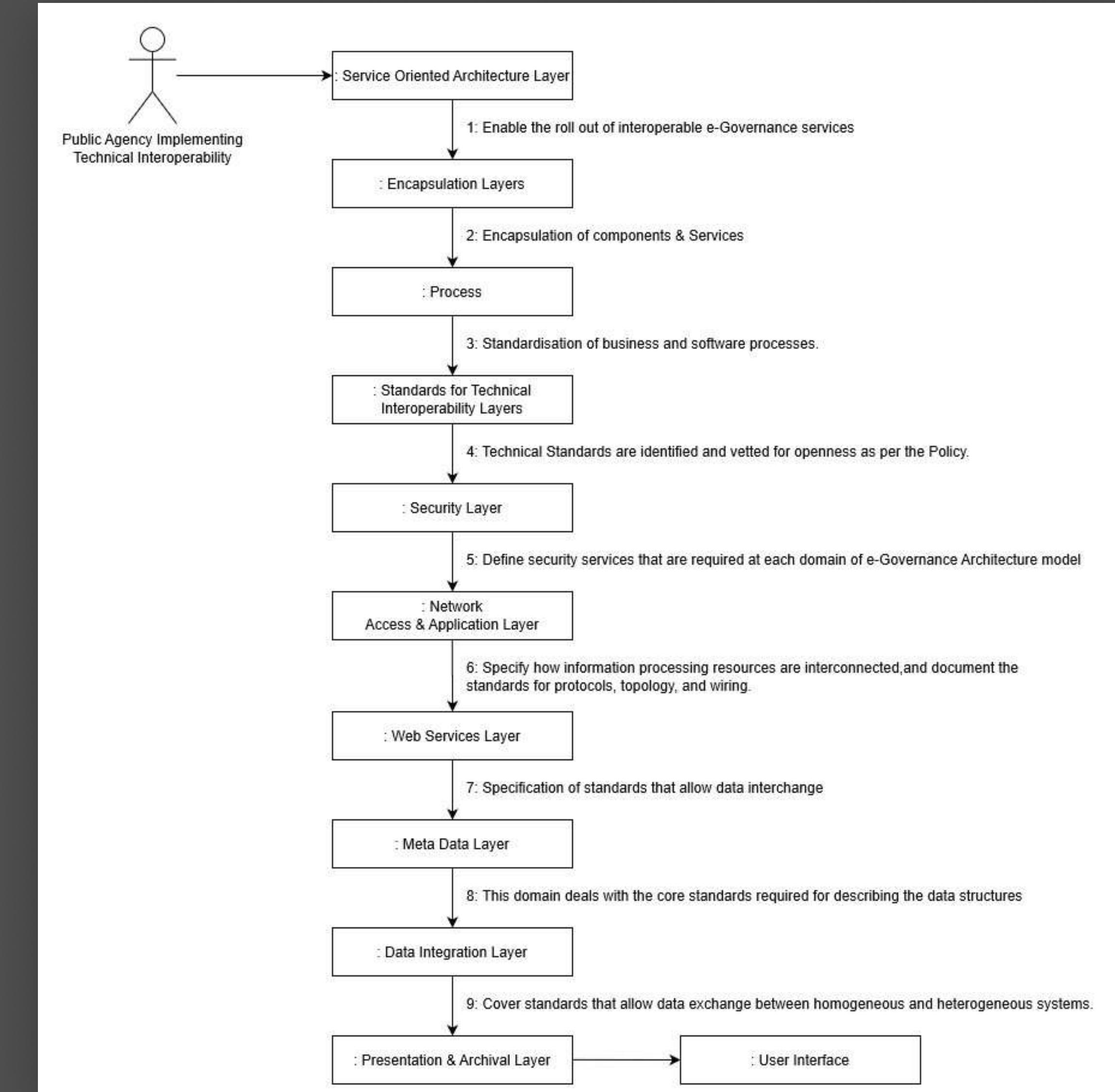
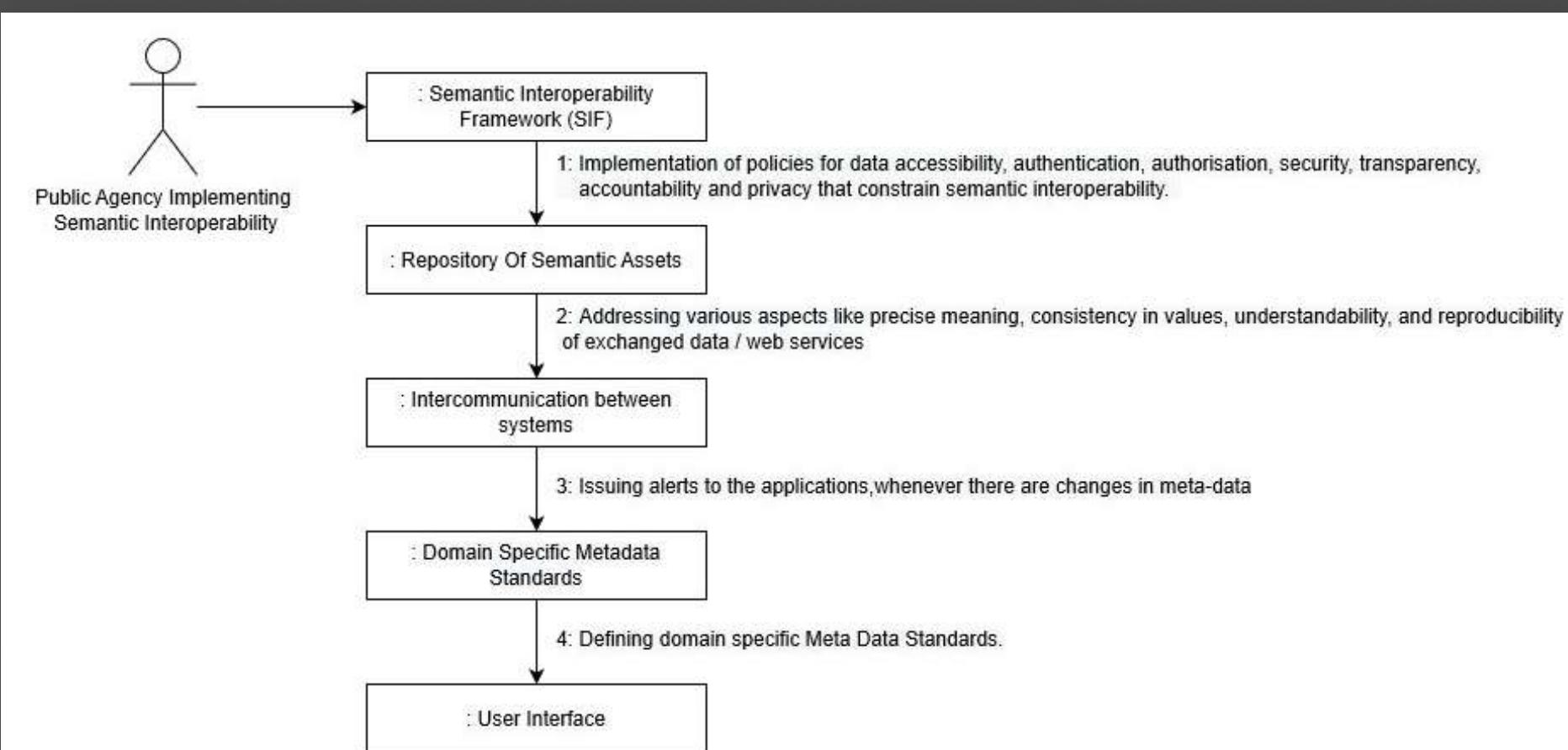
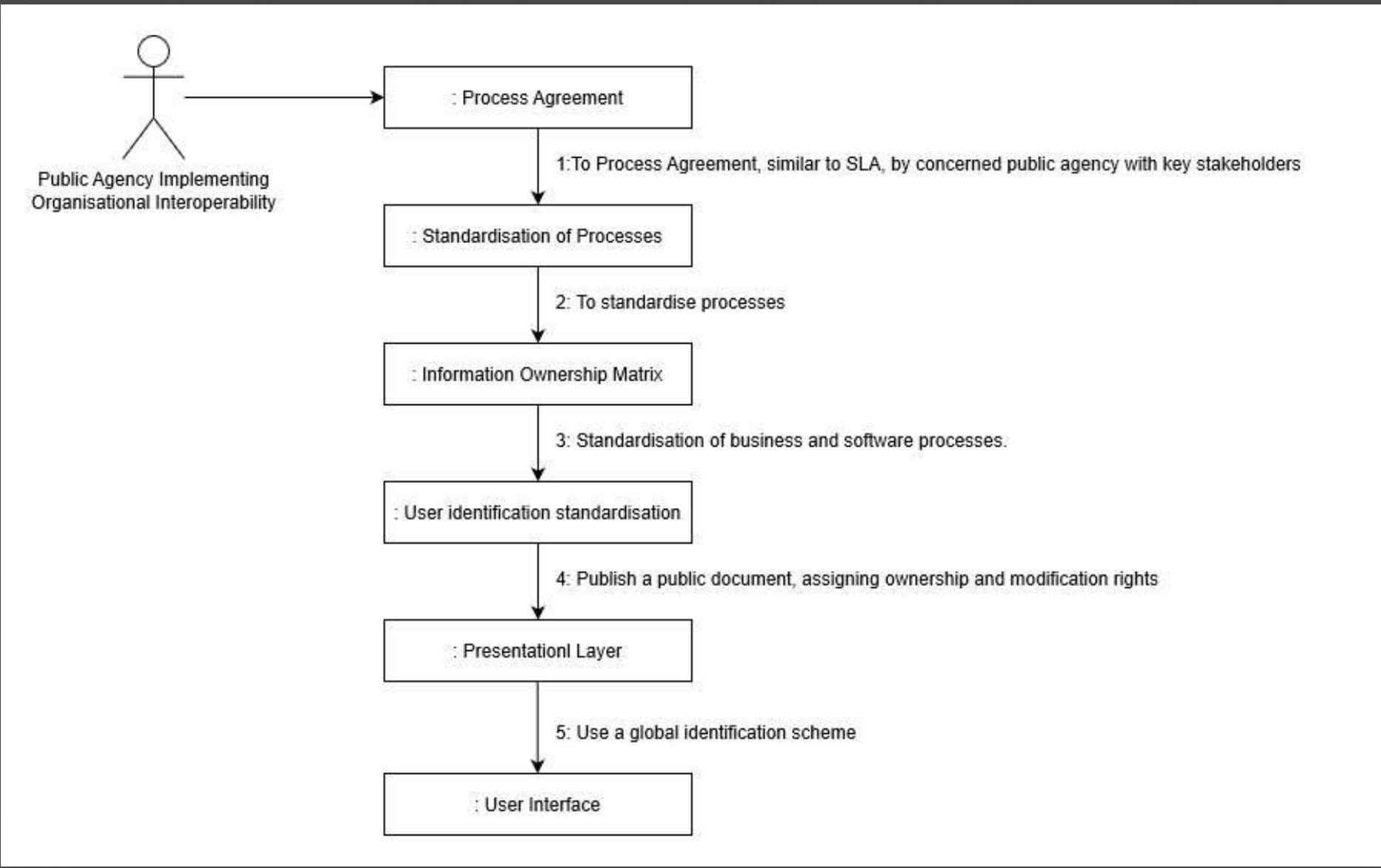


# USE-CASE DIAGRAM

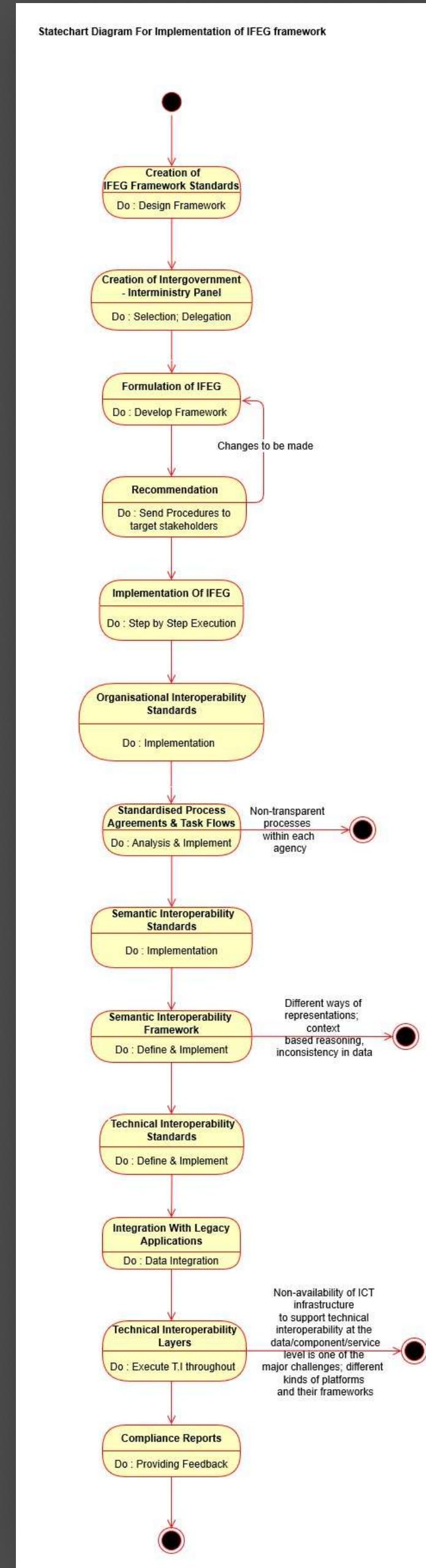
# SEQUENCE DIAGRAM



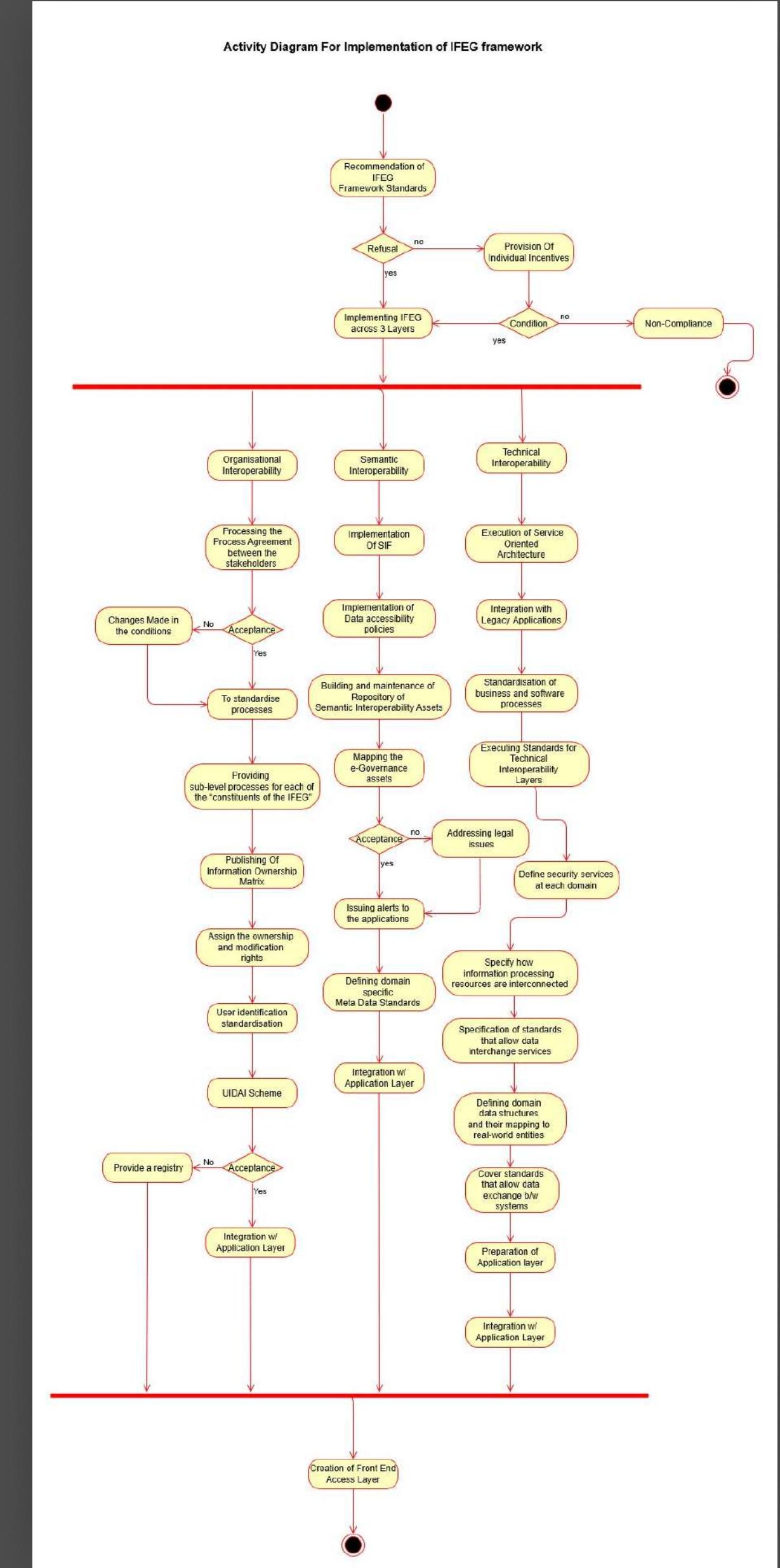
# COLLABORATION DIAGRAM



# STATE-CHART DIAGRAM



# ACTIVITY DIAGRAM



*Please click the below link to access the extensive documentation of the project.*

**<http://bit.ly/UML-DIAGRAMS>**

# Gigamap | Meanings of the meaning of life.

## Brief

To use the tool of “Gigamapping” developed by Systems Oriented Design community, and represent relevant information about the domain, “Meanings of the meaning of life.”

## Methods Followed

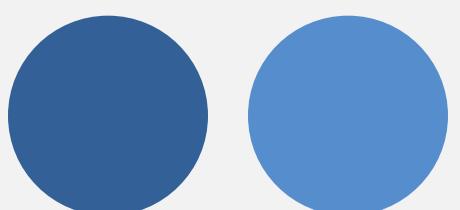
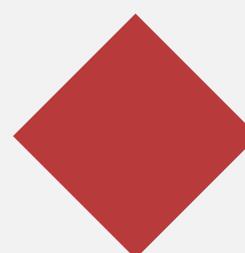
DESK RESEARCH

GIGAMAPPING

READING BOOKS

## Deliverables

- Gigamap
- Documentation



# Gigamap | Meanings of the meaning of life.

WHO

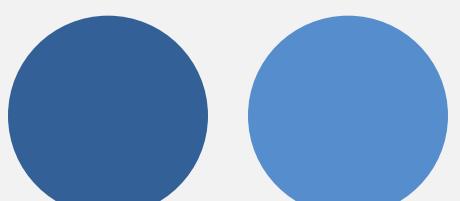
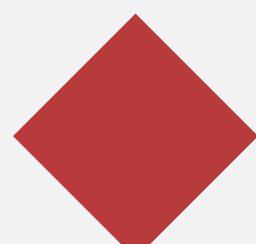
ANYBODY  
&  
EVERYBODY

WHY

- What is life?
- Why is life the way it is?
- This is NOT the intention this work. It is not an “exploration” about the domain.
- To think about the idea of “Information” and its representation, for me, it just couldn't be merely representing things, behaviours and numbers alluding to an insight.
- It is to find what is the soul of the story, what would be the tale that ties all the stories and myths. It is the story behind the story that needs to be told.

WHAT

- What is in fact, the answer that rightly answers the question that questions the question what is the meaning of life?
- It is an exercise into understanding the meaning behind the meaning that we attach to the notion of life.
- The representation for the same was to be done using the method of Gigamapping developed by the Systems Oriented Design Community at AHO.



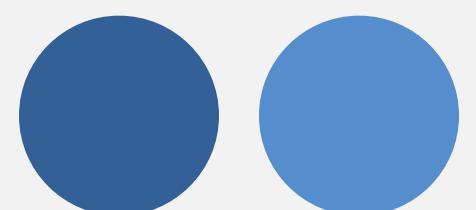
# Gigamap | Meanings of the meaning of life

## HOW

-The data collection, and the presentation of the same was going to be focused towards conceptual understanding of the theories, concepts, patterns, and behaviours. It was necessary to clearly understand the paradigms, concepts and theories. Hence the resources selected for the same had to be authors who have worked in the domains of cultural sociology, analytical philosophy, social psychology, and the development of purpose.

-The data collection for the same was primarily done through the reading of the following books, research paper, and referring to certain youtube channels

- Froese, P. (2016). *On purpose* (1st ed.). 198 Madison Avenue, New York, NY 10016: Oxford University Press.
- Alexander, J. (2006). *The meanings of social life*. Oxford: Oxford University Press.
- Alexander, J. (2008). *The Civil Sphere*. New York: Oxford University Press.
- Blum, A. (2014). *Death, happiness and the meaning of life: The view from sociology*. Journal Of ClassicalSociology, 15(1), 24-38. doi: 10.1177/1468795x14558761



# Gigamap | Meanings of the meaning of life

WHERE

- It is a gigamap, and very easy to read, by anyone and everyone, anywhere, and everywhere.

WHEN

- The project was done during the period of September-October 2020.



# Meanings of The Meaning of Life

A sociological study of the society and the self.

## The What

## The Society

To What End

Meaning of Meaning

Why Meaning?

Deep in our heart's core is the ability to create something—a vision, a prayer, a song.  
It is in our nature to attribute meaning to our every experience in the world.  
We do have the ability to create meaning amid the trials of life

Humans directly articulate the meaning of life itself, in rich and diverse ways that reveal an imaginative genius dwelling within each of us.  
History, culture, community, and language provide the soil from which our minds cultivate meaning.  
We imbue mundane, everyday situations with a momentary purpose and routinely invest considerable time and effort in pursuit of long-term purposes.



Luckily, even in the most desolate grounds, our imagination retains its ability to create meaning, allowing the human spirit to flourish.

Most remarkably, we create meaning out of abstractions, like love, Truth, beauty, God, and life

Core Constitution

The Social Context

Society is like a plot of soil in which we try to grow meaningful lives; it nourishes some and deprives others.

The Need for Salvation

Your purpose is whatever you believe it to be. Every person has the power to imagine a unique life purpose.

Address the topic of life's purpose from multiple perspectives. In this

But, in practice, we are limited by material realities.

We don't enjoy the same opportunities.

Our economic inequalities lead to inequalities of

That tension—between seemingly unlimited internal possibilities and carefully constrained external realities—is at the heart of the way people find their purpose in life.  
For some, that tension evaporates and the result is wondrous; they easily imagine a purpose-filled life because they are embedded within a community and culture that makes them feel significant

Understanding, that meaning creation and leading our lives

Dance Between Processing Different Realities

The quality and nature of being a human

Attaching, Evaluating, Processing, Making Sense of it all

Innate Desire to question and process

The ability of CREATION

At all Odds; Come What May

Dependent, and Contextual

It is the people that matter

Love, friendships, and our outlooks towards life

Is the people that you exist with, that you are

The necessity of a purpose/associating a meaning

Larger than life

Religion and Self-Discovery

The scientist is similar to the creative artist and business entrepreneur; each seeks to build something for humanity—something bigger than the self. While these meanings are essentially secular, they can, and often do, overlap easily with religious concepts

Frankl called this the "will to meaning," arguing that the quest for a moral purpose was the "primary motivation in life." Frankl, Victor. 1959. Man's Search for Meaning. Boston: Beacon Press.

## The Individual

## The What

Purpose

What do we want?

The Behaviour

Life is said to be intolerable unless some reason for existing is involved, some purpose justifying life's trials.

Emile Durkheim

Seligman stresses that a healthy life's purpose must extend beyond pure self-interest to focus on something that is bigger than the self

Indeed, the world's grand religious traditions were all born out of deep turmoil.

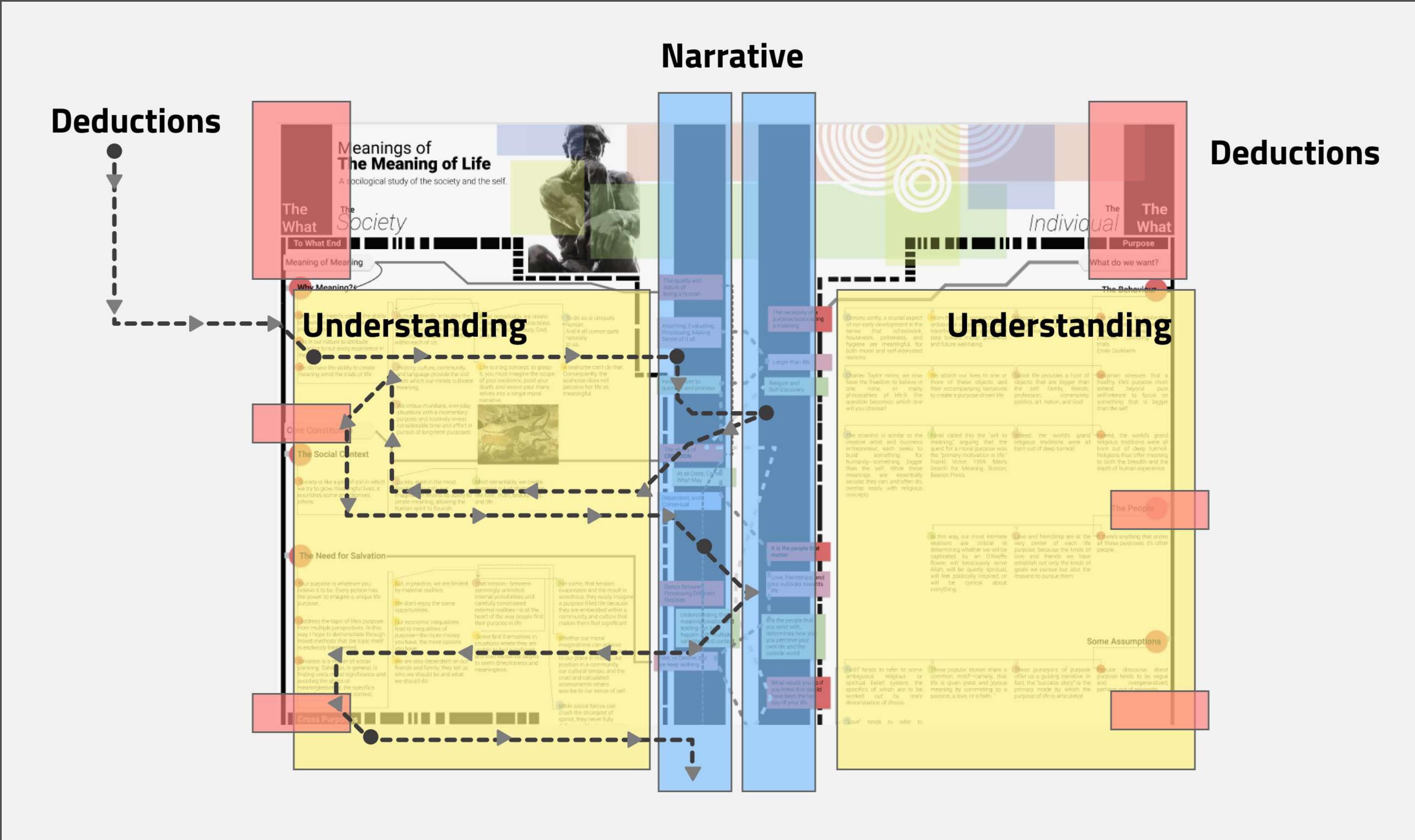
Religions thus offer meaning to both the breadth and the depth of human experience.

The People

If there's anything that unites all these purposes, it's other people.

In this way, our most intimate relations are critical in determining whether we will be captivated by an O'Keeffe flower, will tenaciously serve Allah, will be quietly spiritual, will feel politically inspired, or will be cynical about everything.

# Gigamap | Meanings of the meaning of life.

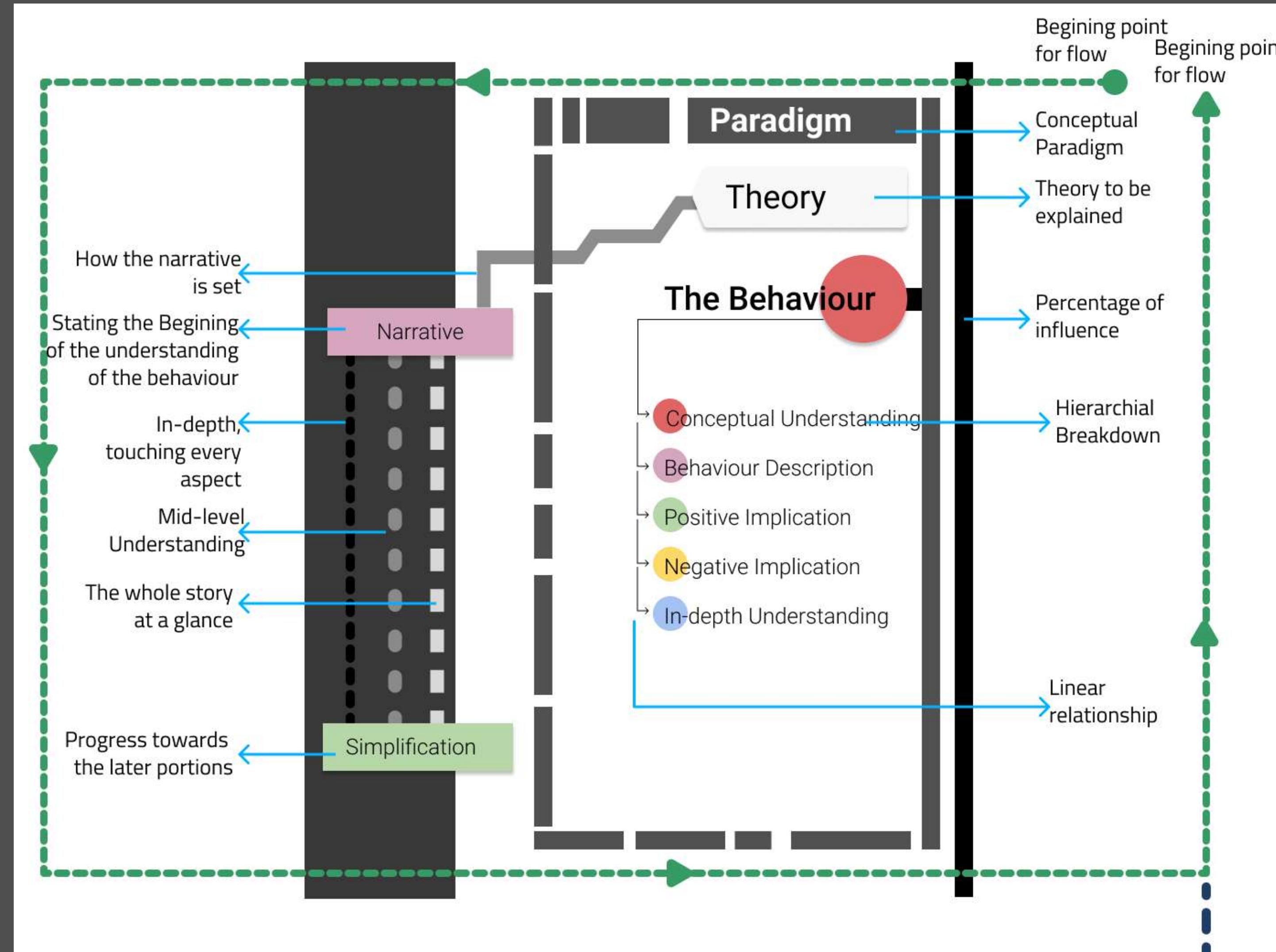


## METHODOLOGY TO READ

- ↳ DEDUCTIONS
- UNDERSTANDING ↳
- ↳ NARRATIVE

# Gigamap | Meanings of the meaning of life.

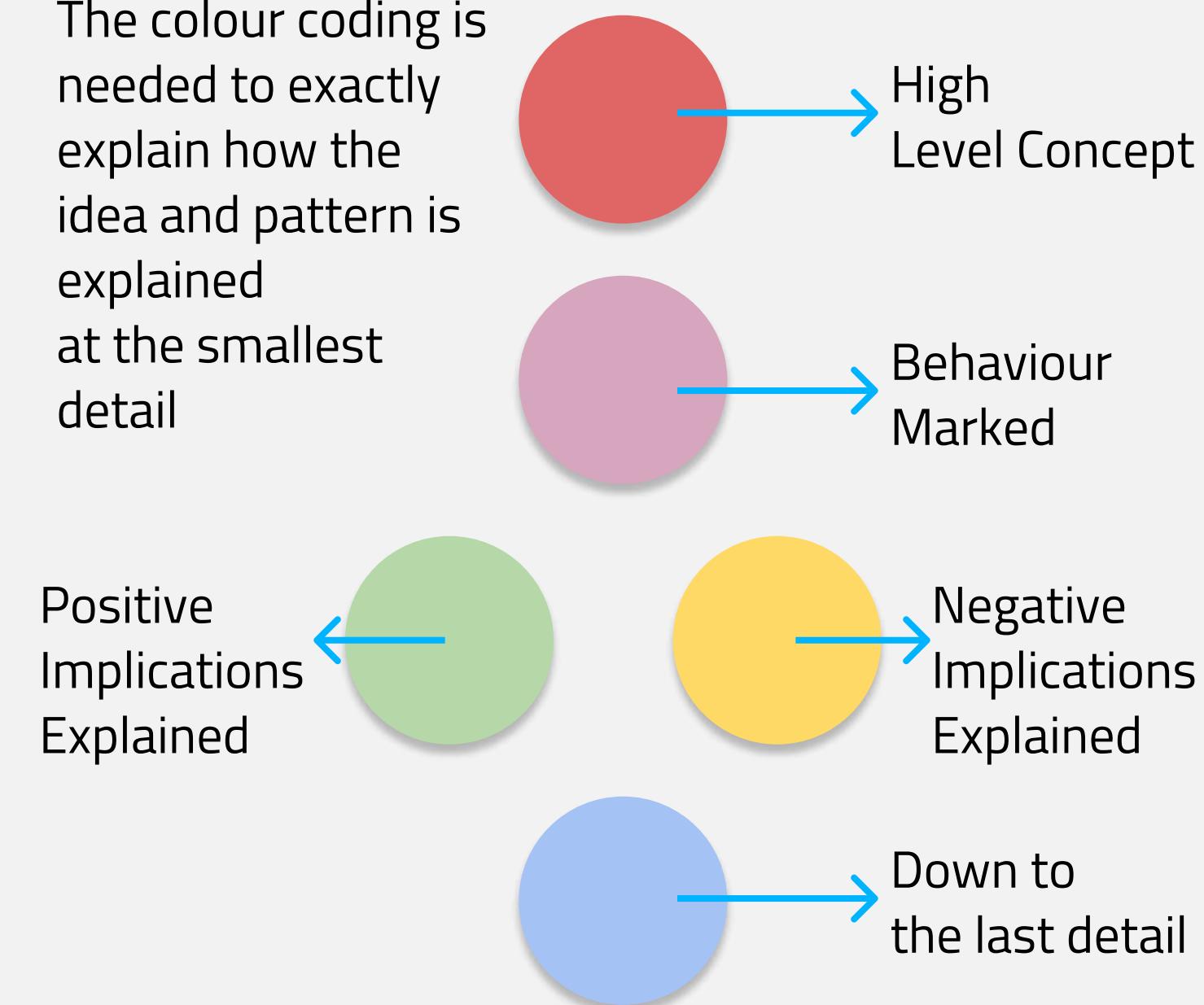
## GIGAMAP CONCEPTUAL MODEL



# Gigamap | Meanings of the meaning of life.

## Colour Coding

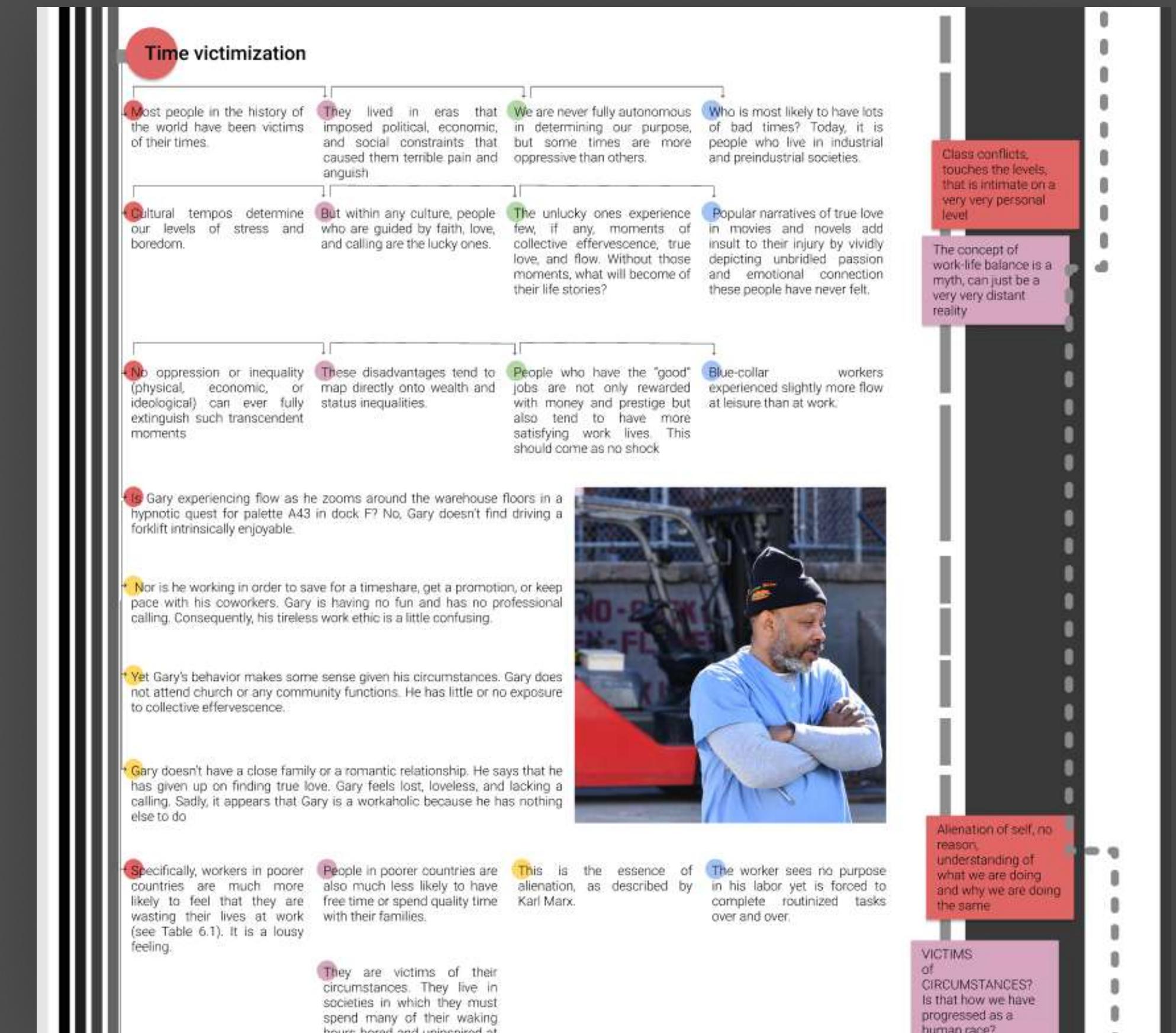
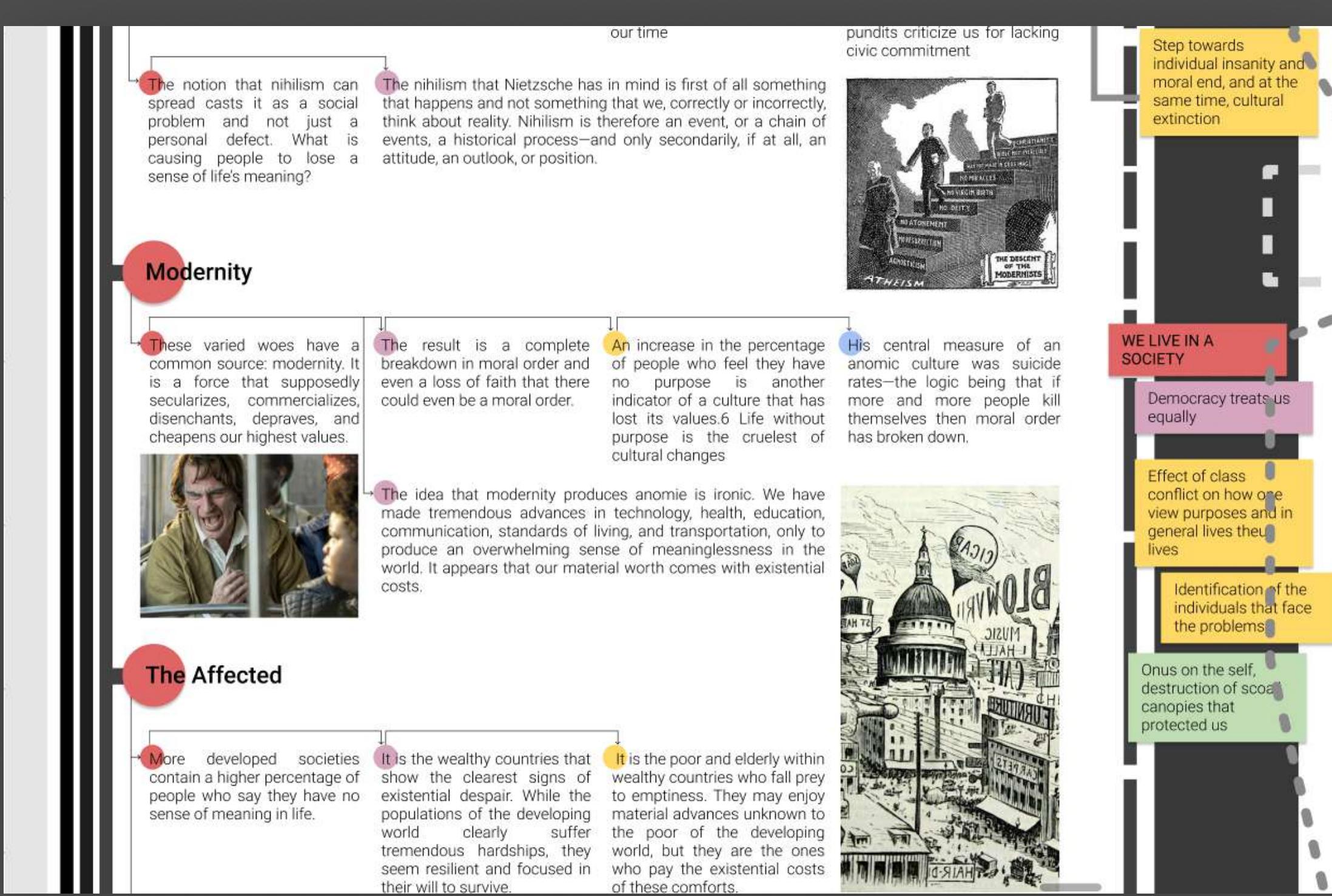
The colour coding is needed to exactly explain how the idea and pattern is explained at the smallest detail



## COLOUR CODING MODEL

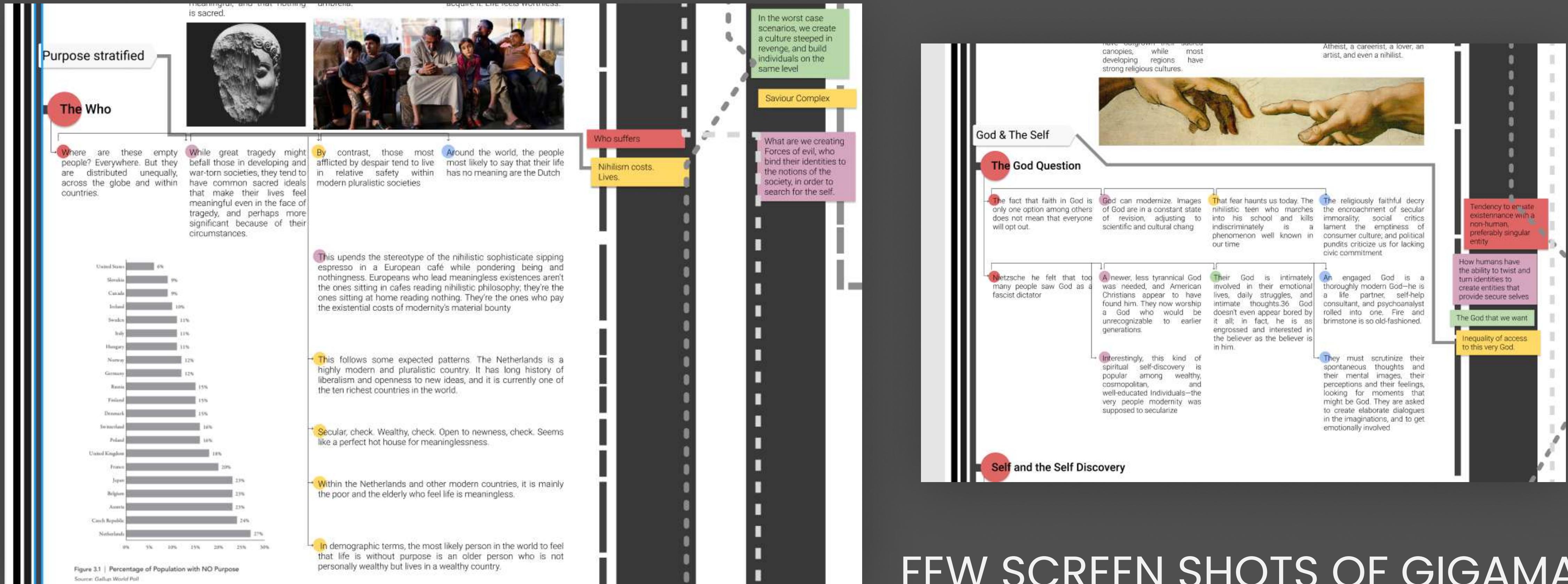


# Gigamap | Meanings of the meaning of life.



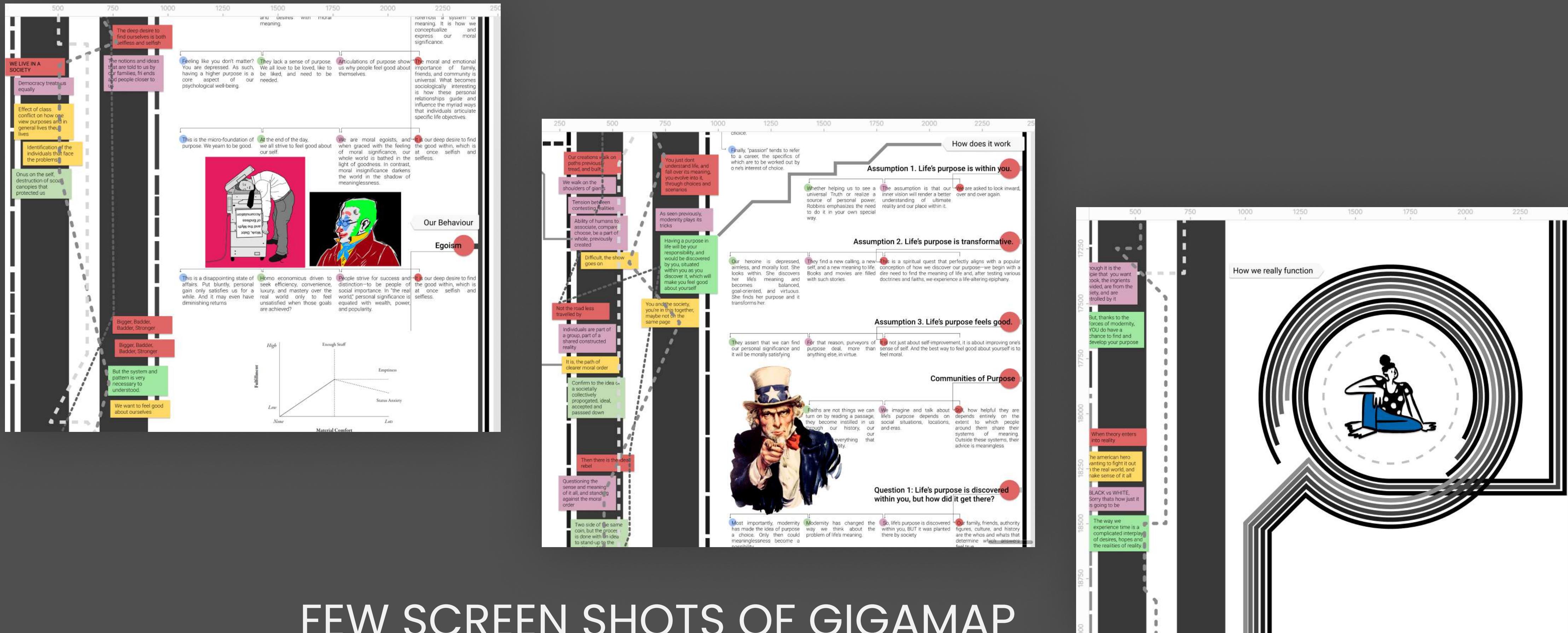
FEW SCREEN SHOTS OF GIGAMAP

# Gigamap | Meanings of the meaning of life.

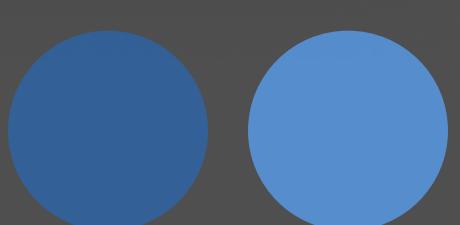


FEW SCREEN SHOTS OF GIGAMAP

# Gigamap | Meanings of the meaning of life.



FEW SCREEN SHOTS OF GIGAMAP



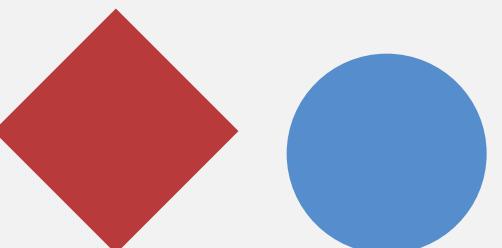
*Please click the below link to access the complete PDF & documentation of the Gigamap*

<http://bit.ly/Gigamap>

# My Work

## User-Experience Design

The projects that i have presented later use and follow the User Centered Design Principles for designing digital solutions for problems faced by users in an everyday life context. I have performed desk-research, user research, followed the iterative process of designing and developing solutions that cater to the user needs, hopes and desires.



# Amazon Kindle App Redesign

## Brief

Redesigning the Amazon Kindle App using principles of Cognitive Ergonomics.

## Methods Followed

DESK RESEARCH

USER INTERVIEWS

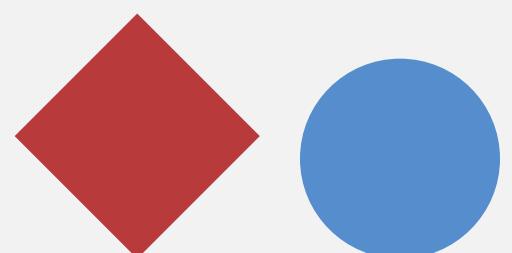
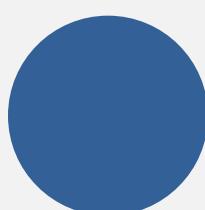
COGNITIVE ASSESSMENT

LOW-FIDELITY WIREFRAMES

HIGH-FIDELITY PROTOTYPES

## Deliverables

- High Fidelity Interactive prototype of the application



# Amazon Kindle App Redesign

WHO

WHY

WHAT

READERS

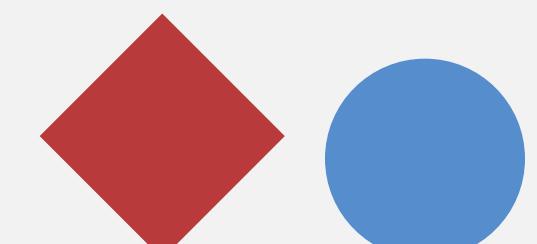
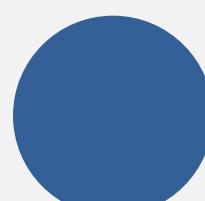
EXPERT

NOVICE

- The Amazon Kindle App's Android version had to be redesigned in order to create a better experience for the readers, and get more people on the app.

-Principles of Cognitive Ergonomics were used to perform the user interviews.

- App was later redesigned according to those principles, and insights observed from user behaviour.



# Amazon Kindle App Redesign

HOW

-For the development of the app following tests were performed for the user study, and later the design was done keeping those principles in mind.

SYSTEM MAPPING

NASA - TLX

HEURISTIC EVALUATION

PURE METHOD

HIERARCHIAL TASK ANALYSIS

HICK'S LAW

CPM - GOMS

FITTS' LAW

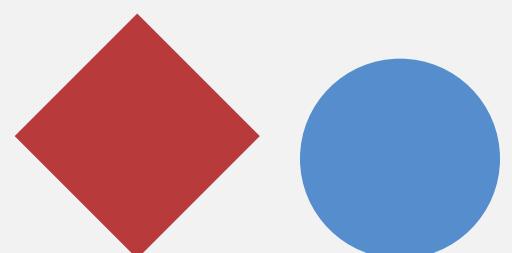
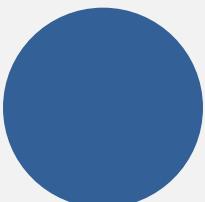
HEAT MAP

WHERE

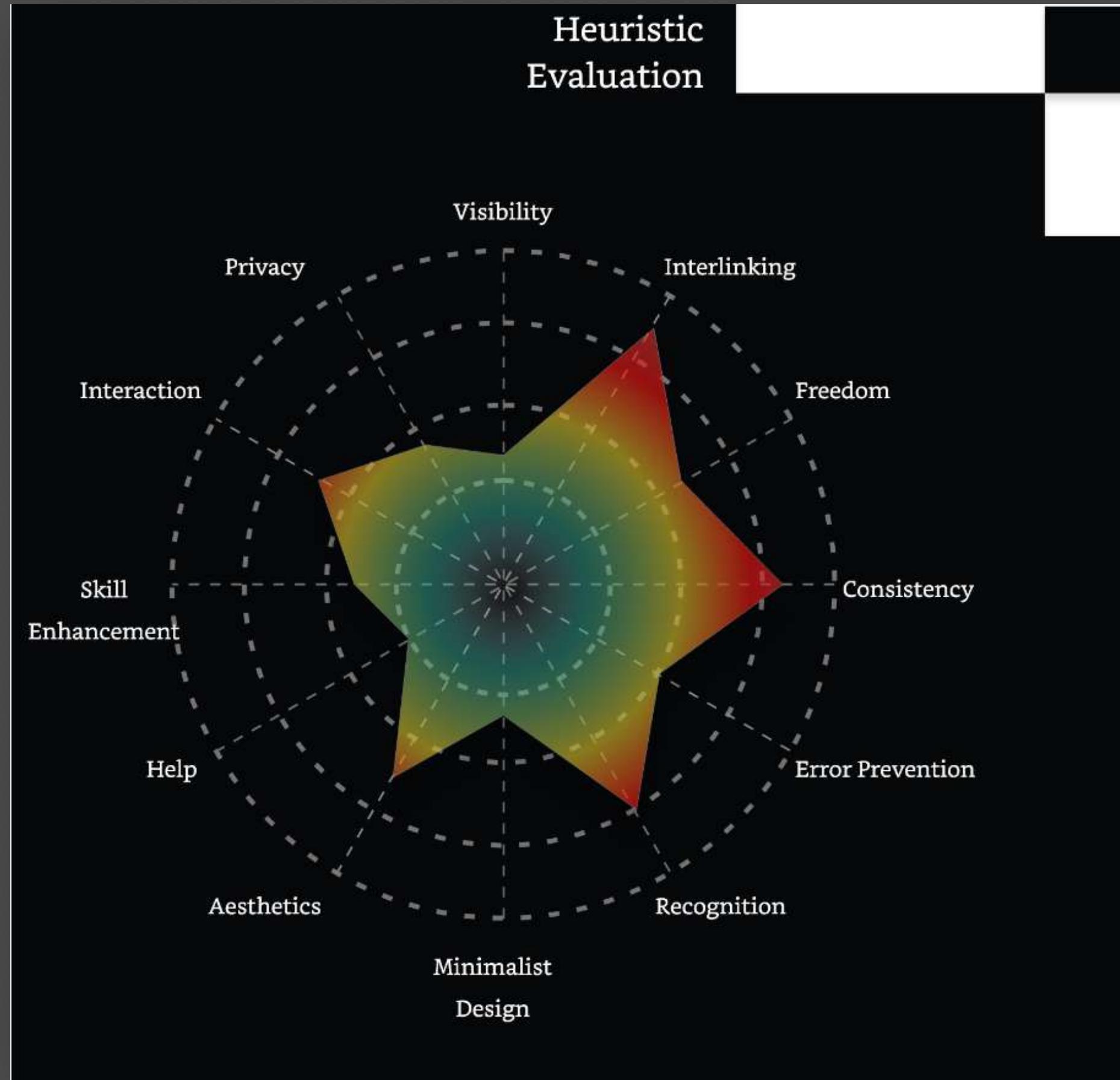
- The user study was performed on the students of MIT-ID, my institution

WHEN

- This was done during the months of January & Feburary of 2020.



# Amazon Kindle App Redesign



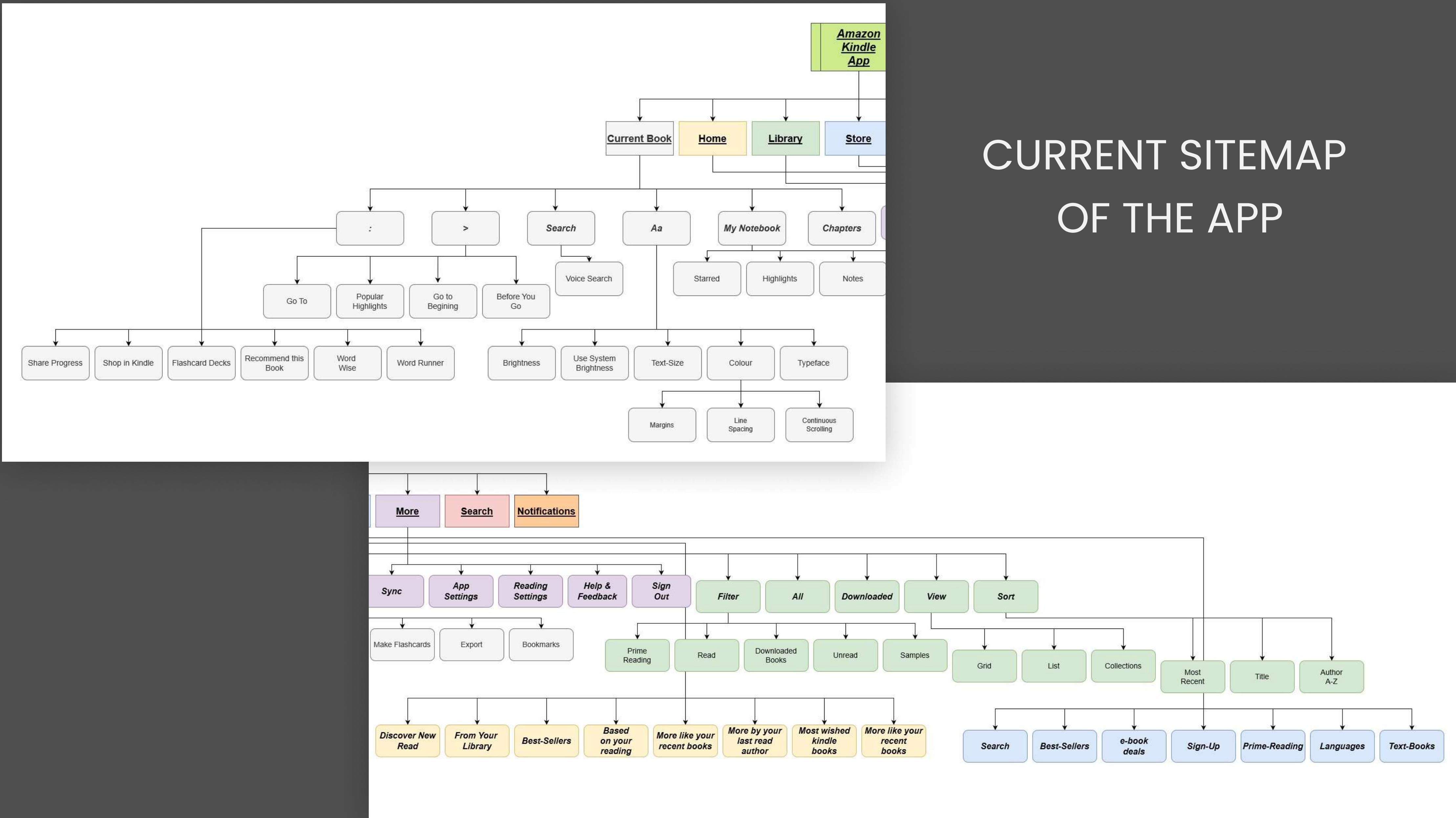
Expert Users			
Users		Sr. No. 1	Value
Nimish	Nerlekar	1	19.600002
Rohit	Khot	2	9.066667
Sanidhya	Tulsinandan	3	10.6
Atharva	Karwande	4	20.133335
Surbi	Warick	5	8.533334
Prashant	Wadalkar	6	32.066666
Siddhant	Toknekar	7	19.733334
Tanupriy	Ranjan	8	16.400002
Kareena	Vaswani	9	7.4
Siddhant	Chandane	10	12.333334
Saloni	Randiwe	11	18.066668
Yash	Rathod	12	4.933334
Prathamesh	Ghatare	13	14.266668
Saniya	Ahmed	14	21.133335
Riayaaz	Roy	15	9.466667
Average Score			14.91555636

Novice Users			
Users		Sr. No. 1	Value
Isha	Deosthali	1	47
Bhargavi	Pande	2	47.666668
Samarthya	Dhobal	3	76.13333
Akanksha	Mategaokar	4	45.133335
Nilesh	Gadre	5	53.733337
Zain	Tambe	6	53.866667
Anagha	Shukla	7	66.666667
Atreya	Rashtradhipat	8	66.9333334
Atharva	Kelkar	9	25.8
Urvi	Patkar	10	48.600002
Shelly	Khanuja	11	28.866669
Sunabh	Gole	12	40.666668
Average Score			50.0888902

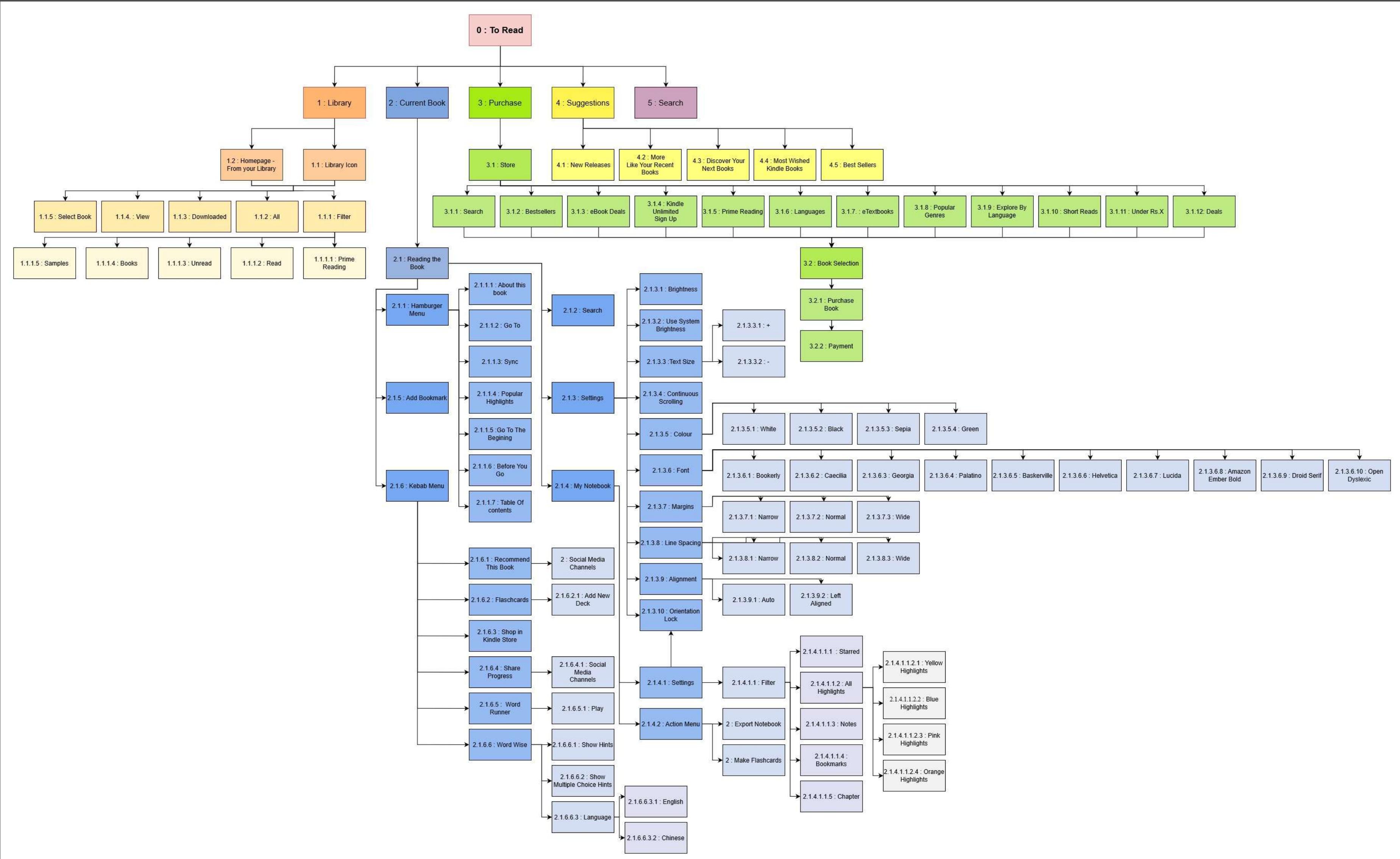
NASA – TLX SCORES

RESULTS FROM HEURSTIC ANALYSIS

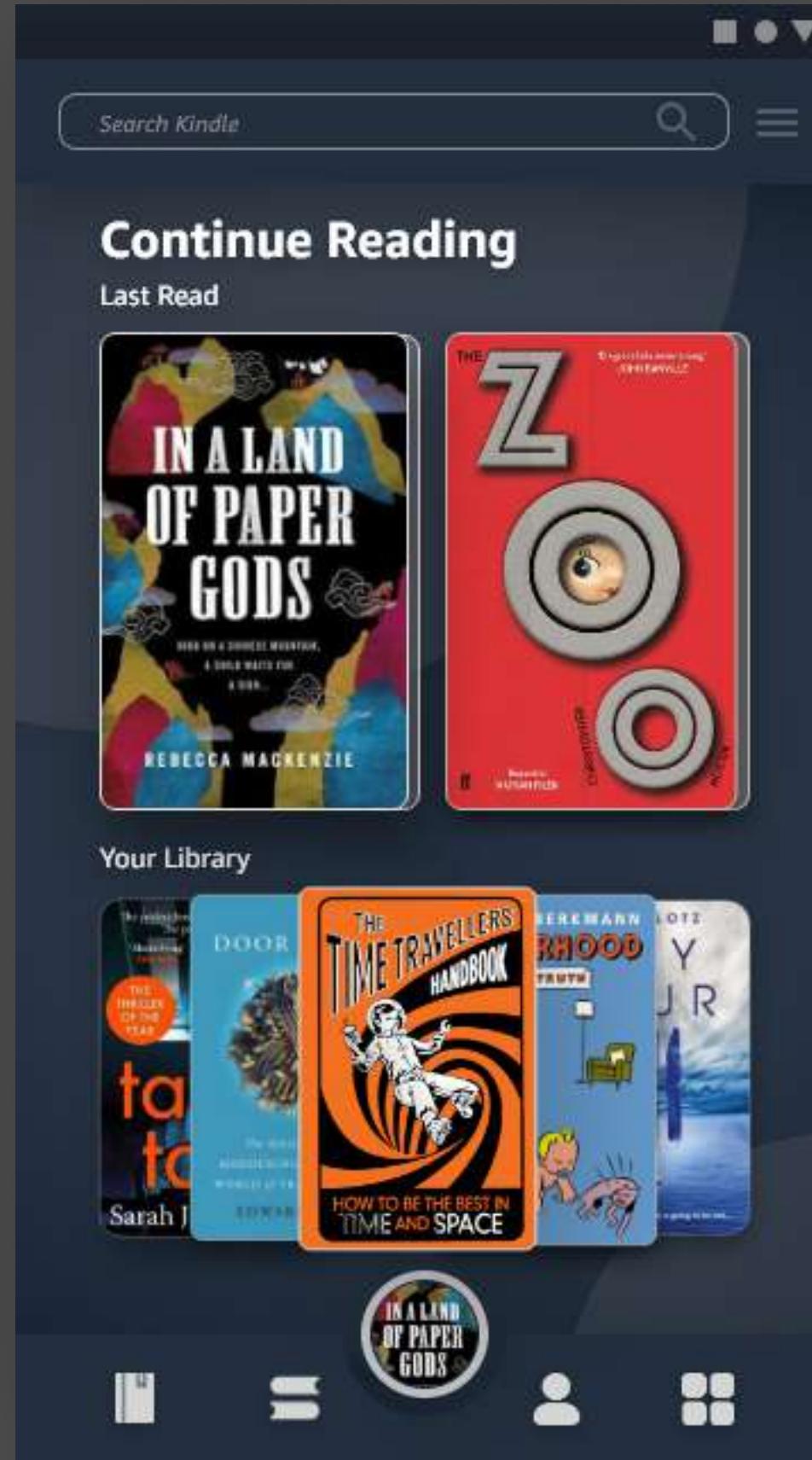
# CURRENT SITEMAP OF THE APP



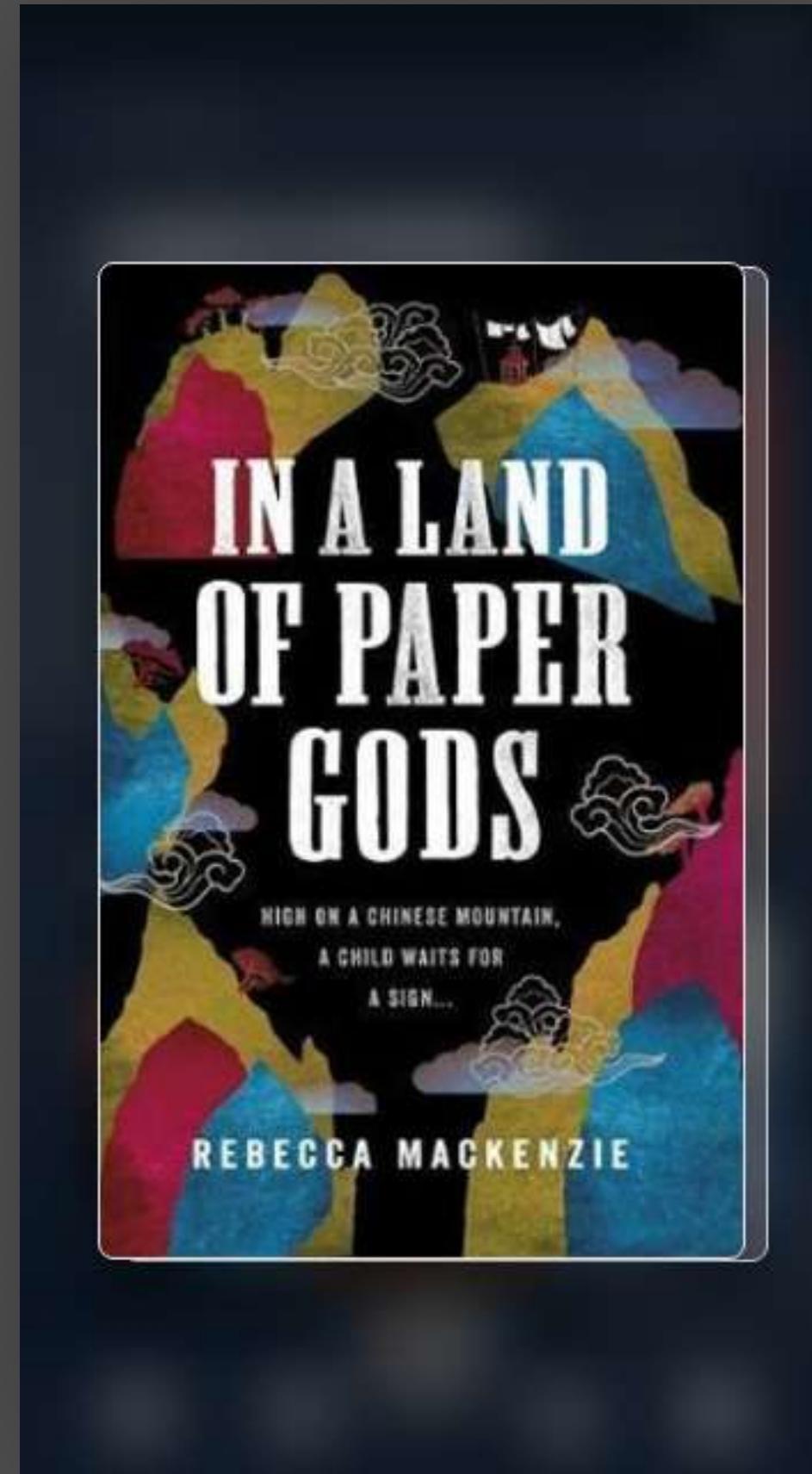
# HIERARCHIAL TASK ANALYSIS



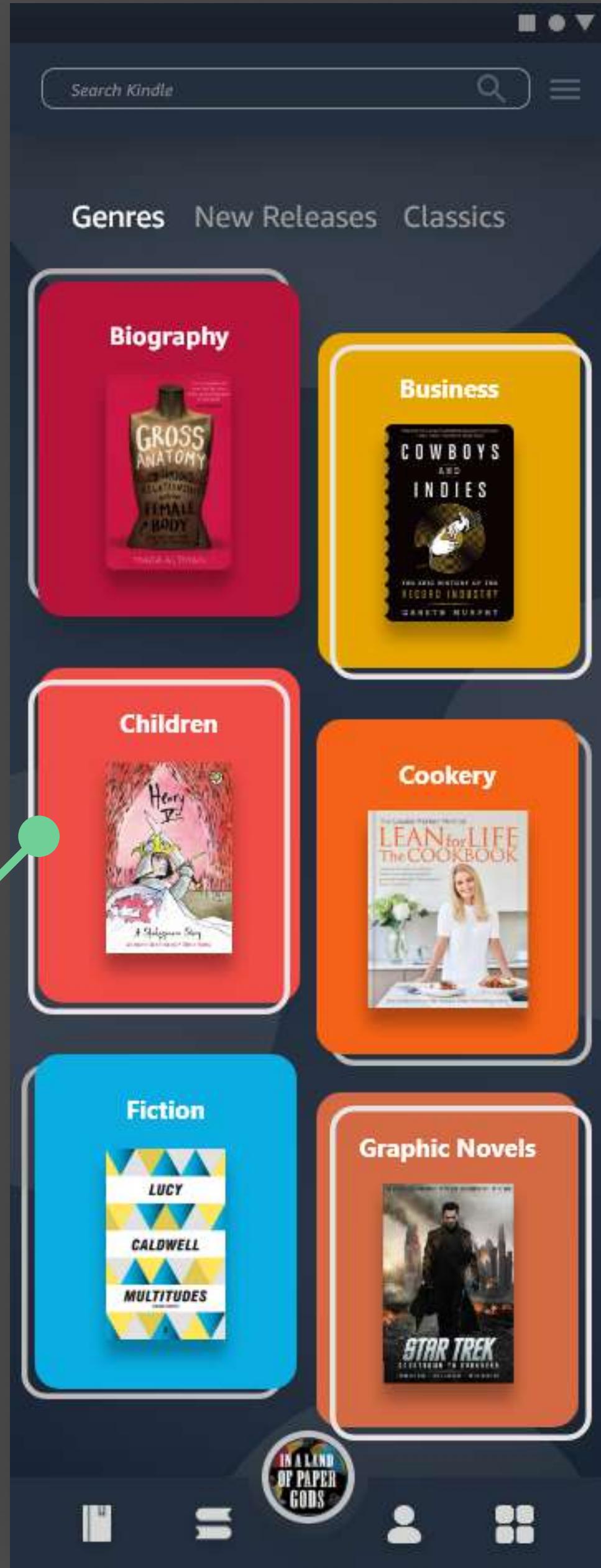
# Amazon Kindle App Redesign



Home Screen



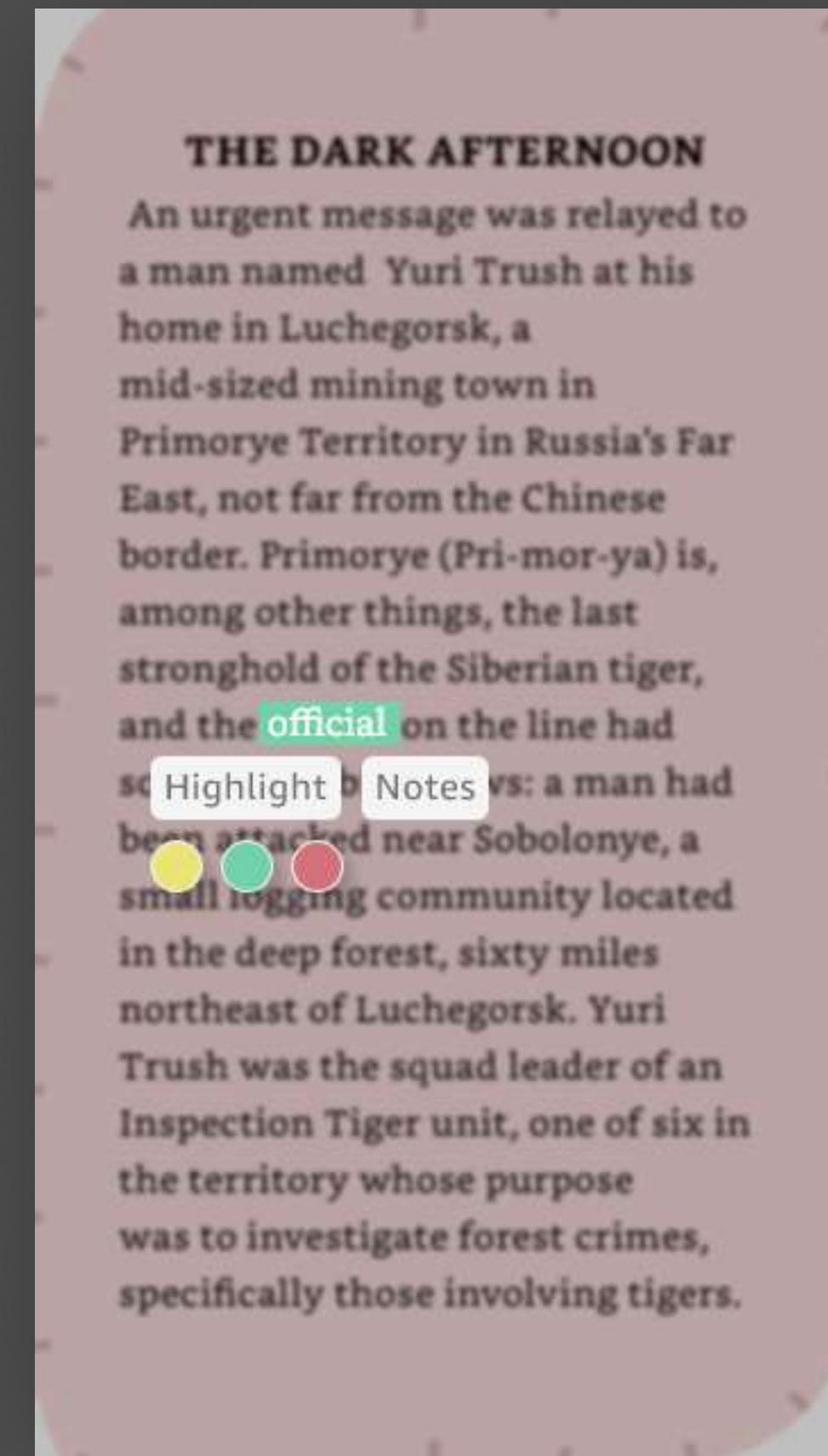
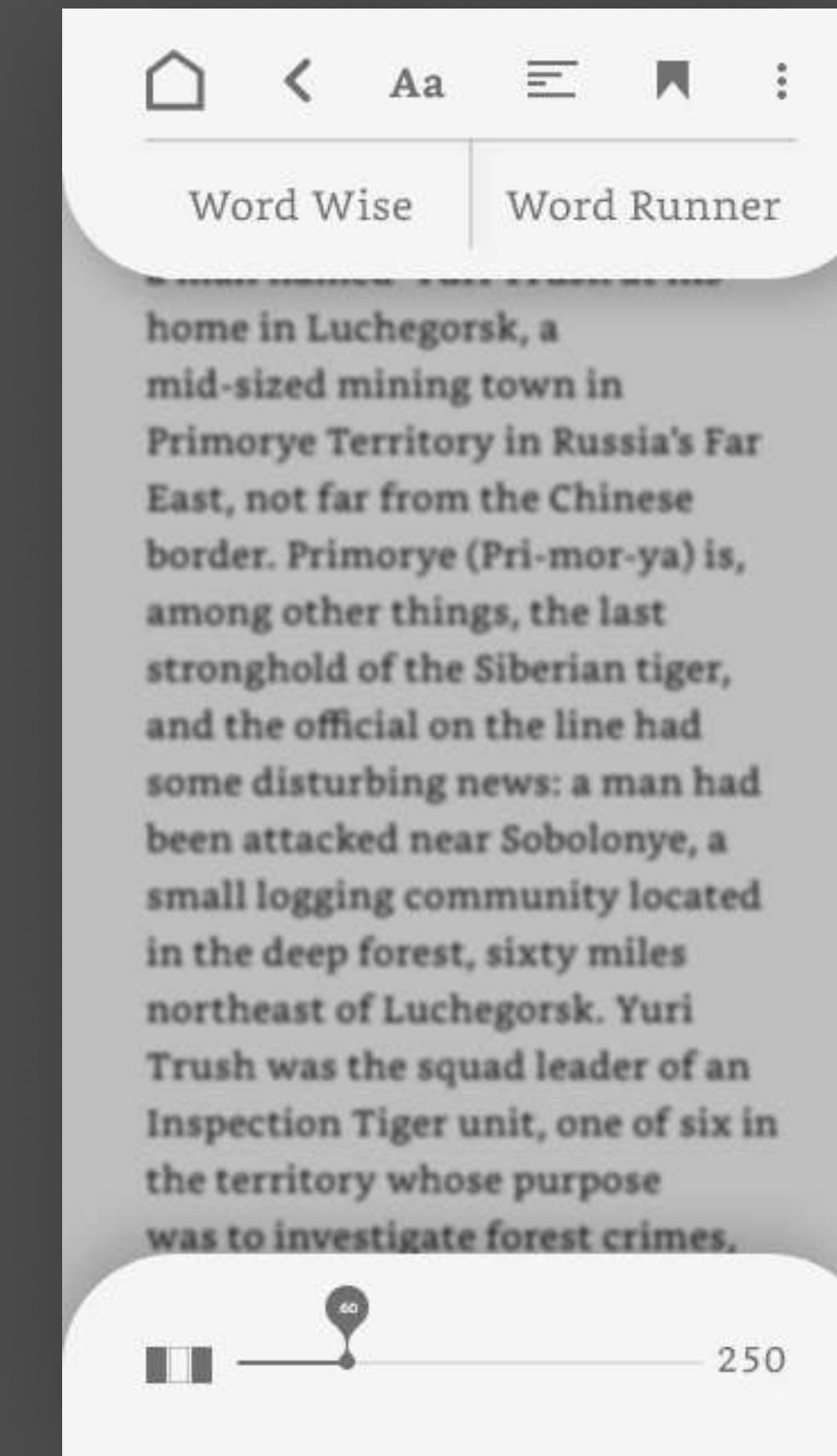
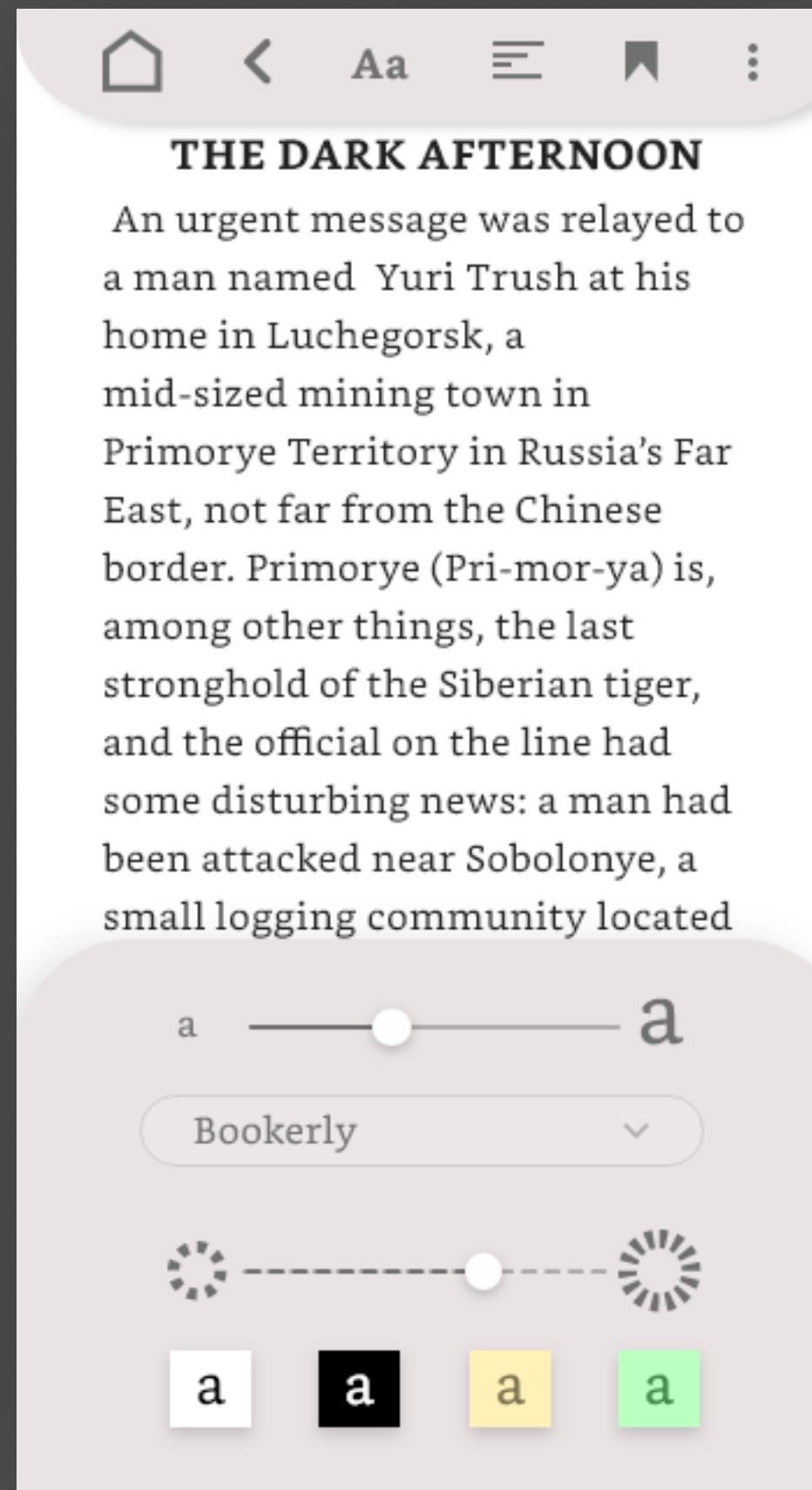
The new explore  
section of the app



SCREEN-  
SHOTS  
OF  
REDESIGN

Selected  
Screenshots  
from the  
redesigned  
application

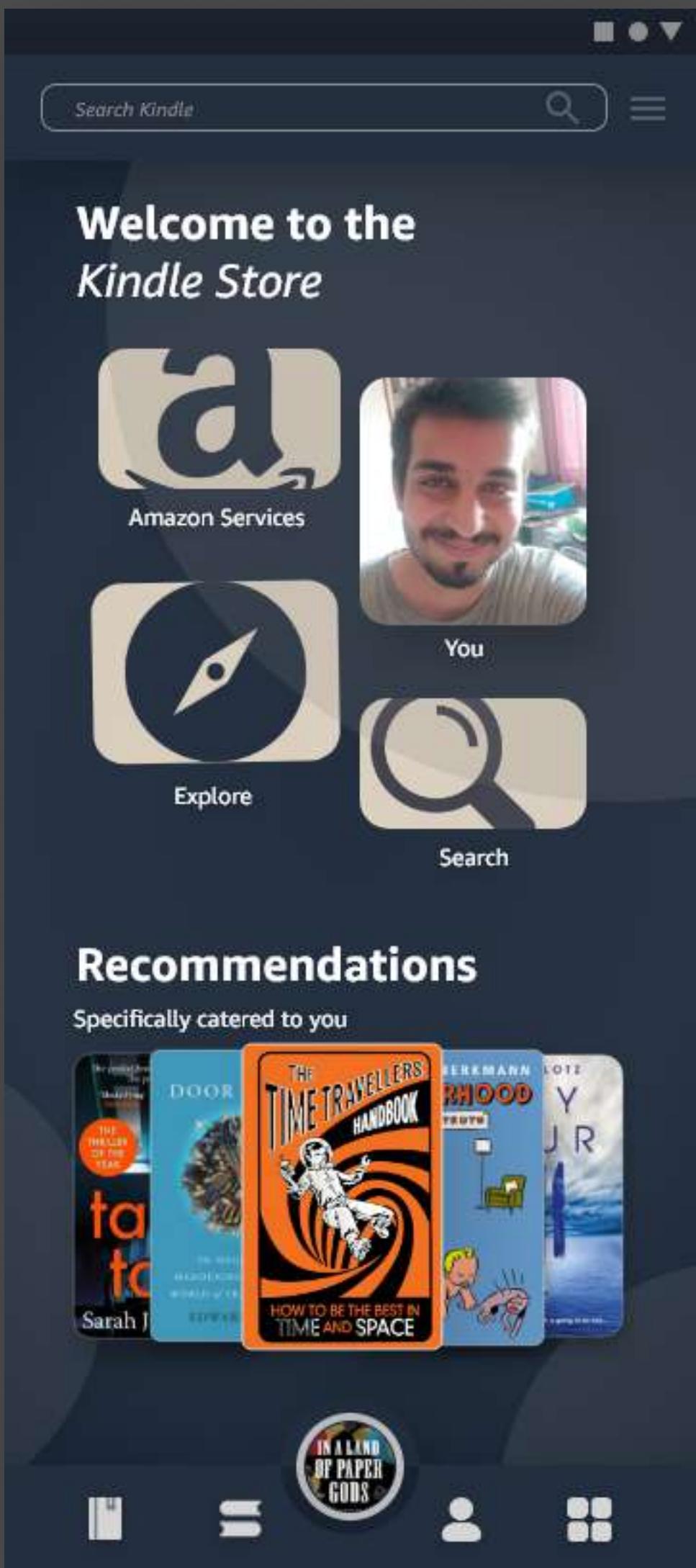
# Amazon Kindle App Redesign



REDESIGNED READING EXPERIENCE

# REDESIGNED STORE

The problems user face while accessing the store features would be revamped through this current design



# PROFILE PAGE

New feature were added to expand the depth of the services provided by the app

*Please click the below link to access the extensive documentation & prototype of the project.*

**<https://bit.ly/Amazon-Kindle-Redesign>**

# United Left Front Website | Design & Development

## Brief

How can you create a single portal that acts a one-stop point of contact for all the different worker and peasant led movements across India and the fictional United Left Front Party, an united front of all the Left leaning parties of India.  
The plan is to design and develop the website.

## Methods Followed

DESK RESEARCH

HTML

PHP

USER INTERVIEWS

CSS

GIT

USER-FLOW

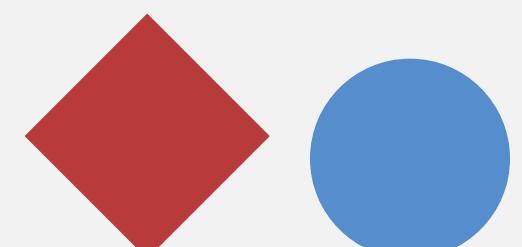
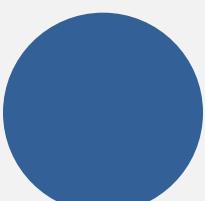
JAVASCRIPT

LOW-FIDELITY WIREFRAMES

HIGH-FIDELITY PROTOTYPES

## Deliverables

- Website designed, developed, and deployed on the web



# United Left Front Website | Design & Development

WHO

WHY

WHAT

FIRST TIME VOTER

STUDENTS

PEASANT &  
WORKER  
LEADERS

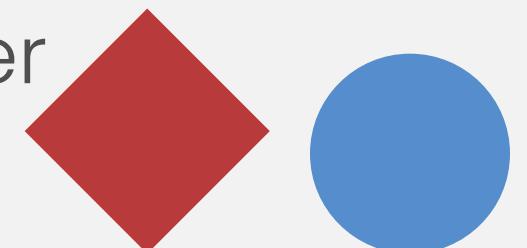
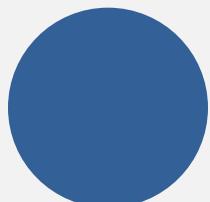
UNIONS

MEDIA PERSONS

MEMBERS

- The current mode of communication from the Left-led movements in India faces a question of existence.
- There was a need to revamp and create a new website that would act as the primary mode of communication between the party, and the people.
- It needs to be in a manner that keeps up with the times, and provides help in all and every manner possible.

- The website was designed according to the traditional UX process keeping in mind the user needs, organisational objectives.
- The website would not just serve as the mode of communication, but a place to understand the historical intricacies of the nation and various movements
- The website would help users, either,
  - Make A Donation
  - Take Action
  - Join and become a member



# United Left Front Website | Design & Development

HOW

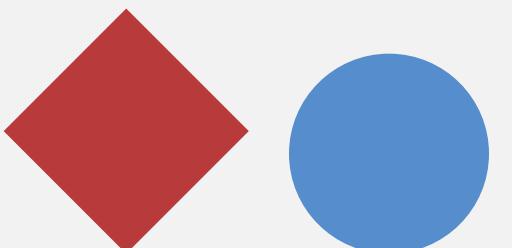
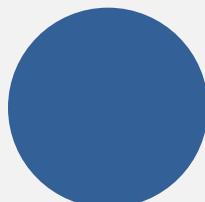
- The principles that were kept in mind were as follows-
- 1) Providing Information
- 2) User Engagement through relevant information
- 3) User Mobilization
- 4) Provide Interaction through dialogue
- I designed the website on Figma
- After the design, I coded the front-end using HTML, CSS.
- I made the back-end using PHP.
- I have deployed the website's front-end on GitHub pages

WHERE

- The whole project was done with remote interviews with the participants, and the plan is to deploy a fullscale version of the website soon.

WHEN

- The project was done during the month of December - 2020.



# United Left Front Website | Design & Development

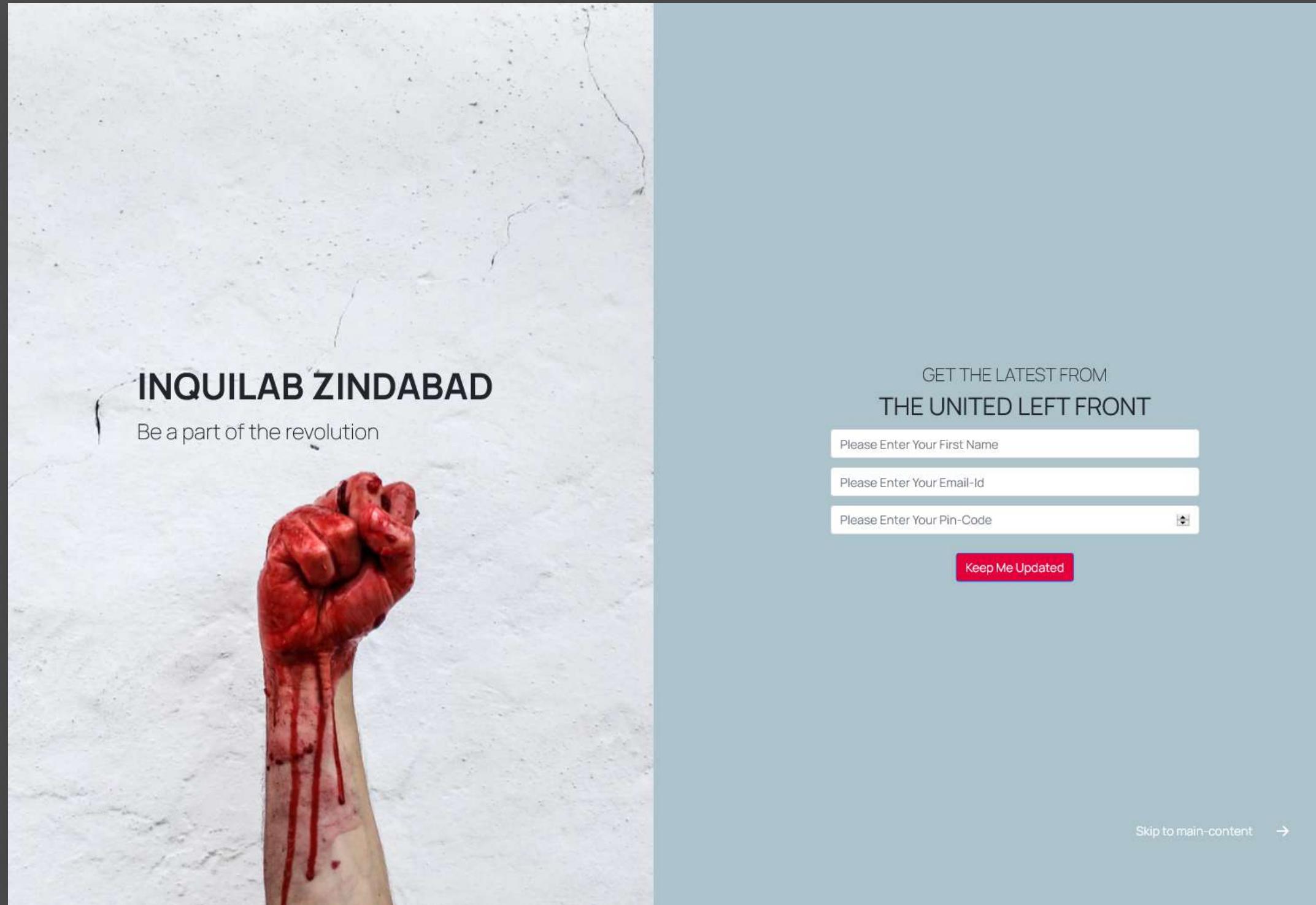
## SCREENSHOTS OF WEBSITE



A large screenshot of the homepage of The United Left Front website. The background features a close-up of a person wearing a white mask. Overlaid on the image are the words "INQUILAB ZINDABAD" and "BE A PART OF THE REVOLUTION". To the right, there's a large call-to-action form with three input fields: "Please Enter Your First Name", "Please Enter Your Email-Id", and "Please Enter Your Pin-Code". Above the form, there are buttons for "JOIN THE ULF", "TAKE ACTION", and "DONATE NOW". The top navigation bar includes links for ABOUT, PEOPLE, CAMPAIGN 2024, WHERE DO WE STAND, MEMBERS, GET INVOLVED, RESOURCES, LATEST, and LOG-IN. A yellow line with a dot points from the text "Fundamental CTAs" to the "JOIN THE ULF" button.

This is the home screen of the website

# United Left Front Website | Design & Development

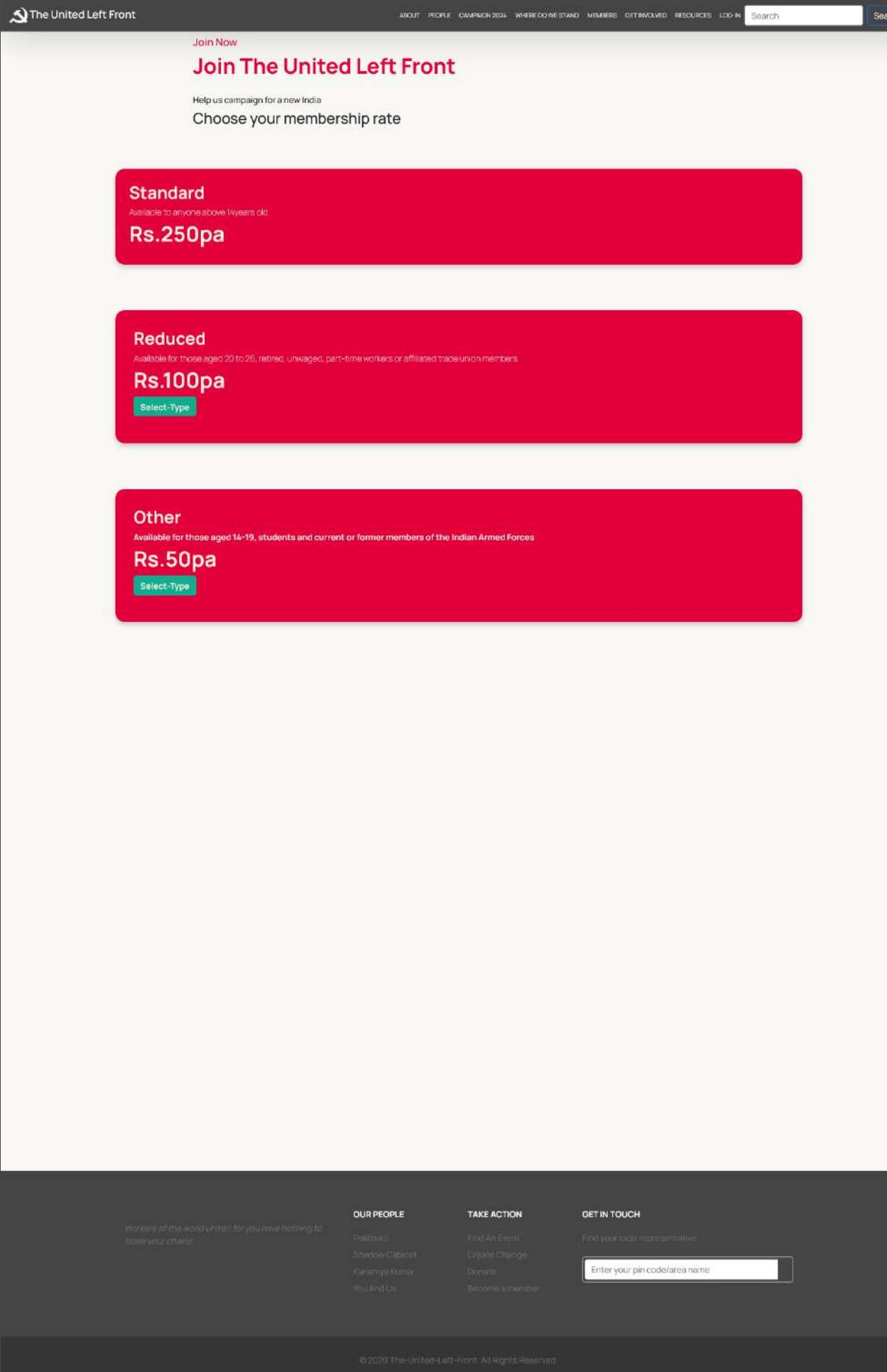


Landing Page

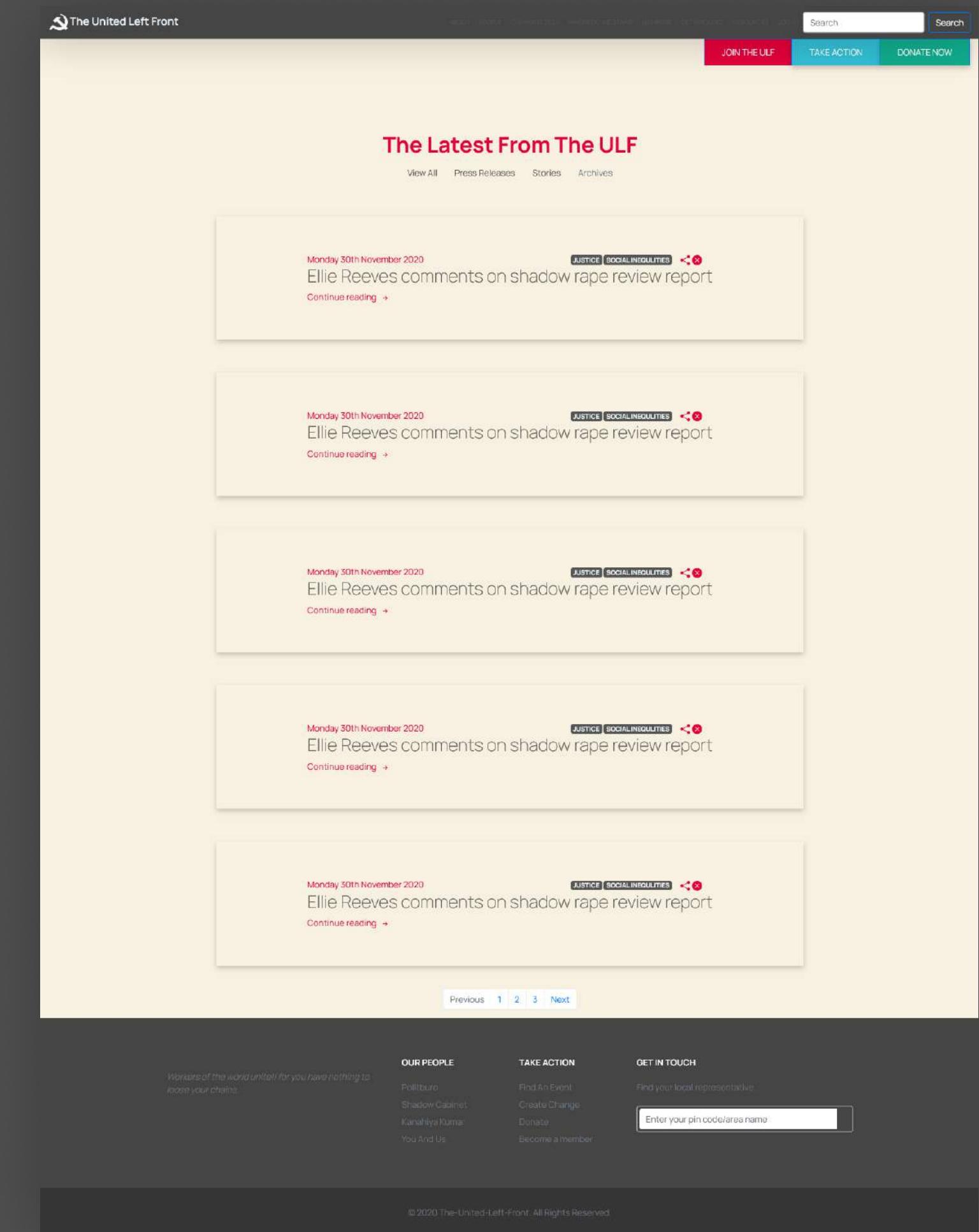
A member recruitment page with a light beige background. It features a search bar for finding local representatives, followed by a large call-to-action button with the text "JOIN OUR PEOPLE POWERED MOVEMENT". Below this, a sub-headline reads "This is a people powered movement. EDUCATE. ORGANISE. AGITATE." To the right, there are four buttons: "BECOME A MEMBER" (red), "WHY JOIN THE ULF" (green), "RENEW MEMBERSHIP" (red), and "ACCESS YOUR ACCOUNT" (red).

Becoming a Member

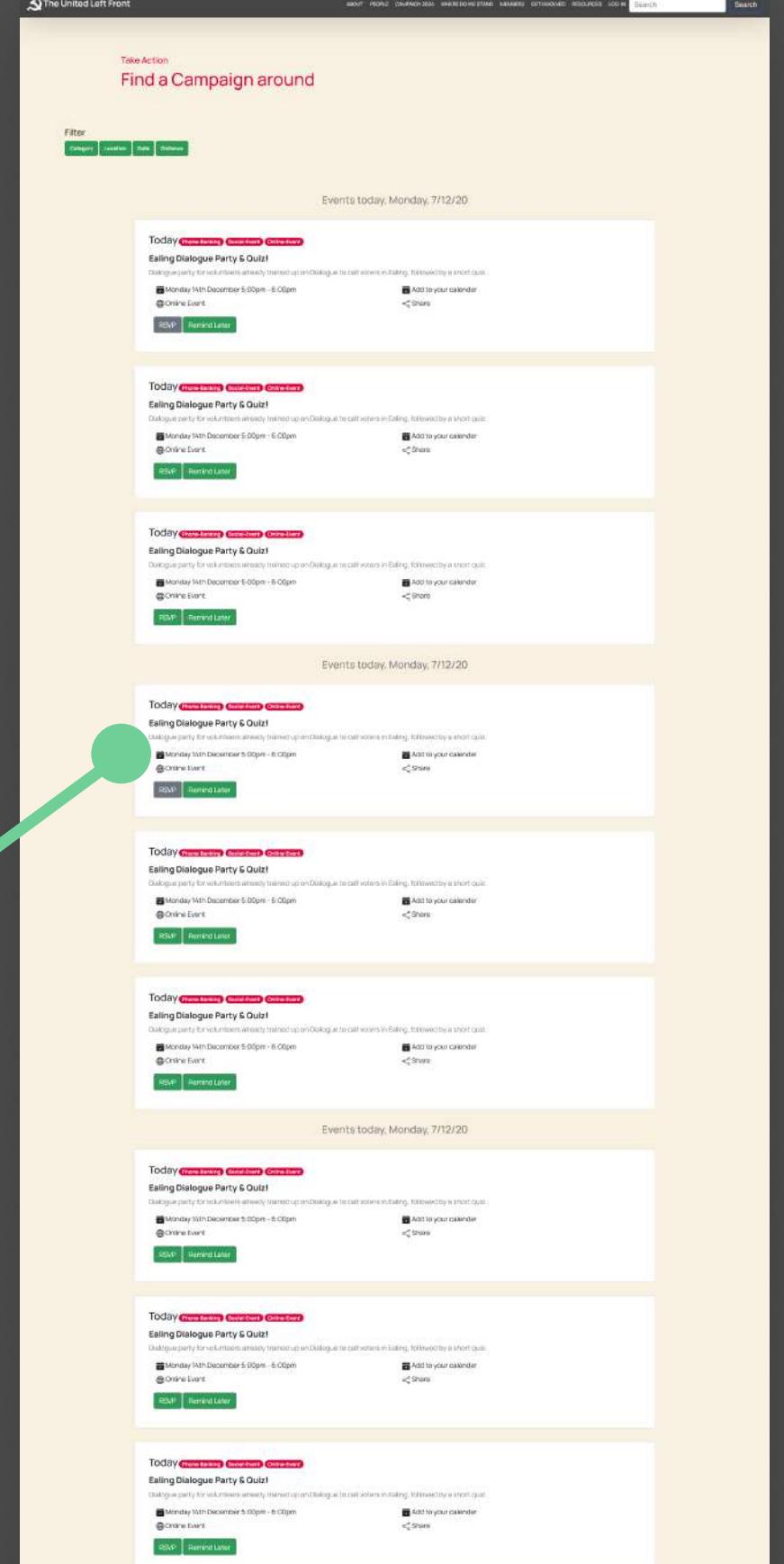
# United Left Front Website | Design & Development



# Join The ULF



# Latest News



# Take Action

## Find Campaign

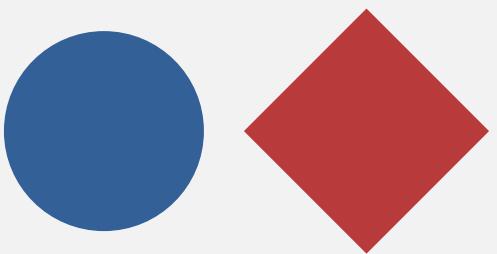
*Please click the below link to access a front-end version of the website deployed on GitHub Pages.*

[https://7337-yashraj.github.io/The-United-Left-Front/templates/landing\\_page.html](https://7337-yashraj.github.io/The-United-Left-Front/templates/landing_page.html)

# My Work

## Internships and projects

The work that I have done at the places that I have worked at.



# Safe.T | Lifespark Technologies

## Brief

Perform user research, and user-interviews for Safe.T and Infomed and derive insights to further develop the application.

## Methods Followed

DESK RESEARCH

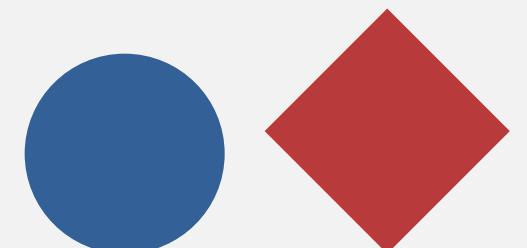
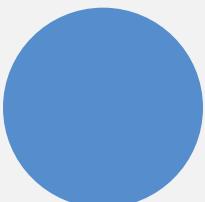
USER RESEARCH

USER INTERVIEWS

PERSONAS

## Deliverables

- Insights from User-Interviews



# Safe.T | Lifespark Technologies

WHO

GENERAL  
POPULATION

MEDICAL  
PROFESSIONALS

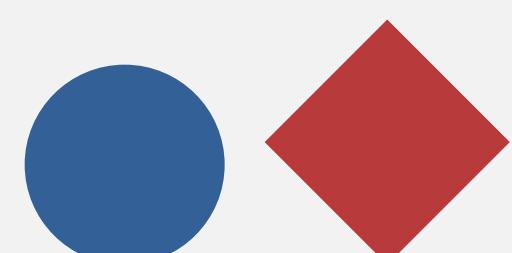
HOSPITAL  
LOGISTICS  
MANAGERS

WHY

- Lifespark Technologies is transforming patient-centric care by addressing patient needs using technology at every stage of the pipeline.
- In a volunteer driven project, I had to perform user research on different phases with different user groups to understand their problems with the solutions being designed and provide insights to the design team.

WHAT

- Safe.T was an exposure notification application developed to combat the COVID-19 Virus, whereas Infomed was developed as solution to handle logistics in the healthcare providers domain.



# Safe.T | Lifespark Technologies

## HOW

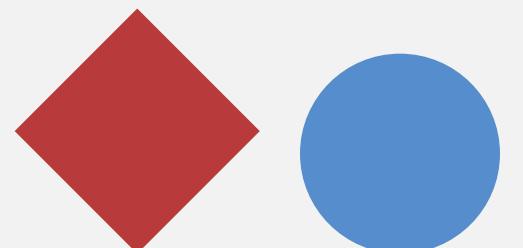
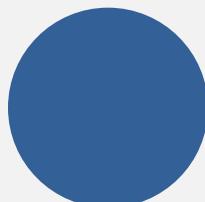
- I had to first have an understanding of how the app and the software function.
- Second part was to design a comprehensive questionnaire that would help us understand what the users understood and felt about the COVID situations and about an exposure notification application
- The next part was to perform one-on-one interviews with the participants who volunteered for the same
- I had to convey the findings and insights to the design team after this

## WHERE

- Remote Interviews were conducted with the participants who volunteered for the interview process

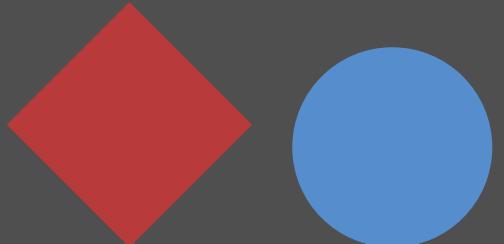
## WHEN

- Period I worked there as an user researcher was from June 2020 - August 2020.



# Safe.T | Lifespark Technologies

We had to conduct interviews and provide insights that the design team had implemented for product development



# HRMS Software | Shram ev Bharat

## Brief

Design an HRMS Software System that would serve as a one stop solution to manage and access employees for MSMEs. Perform research about different services required for the same, and competitors in the market. Design the software product from the ground-up.

## Methods Followed

DESK RESEARCH

USER-FLOW

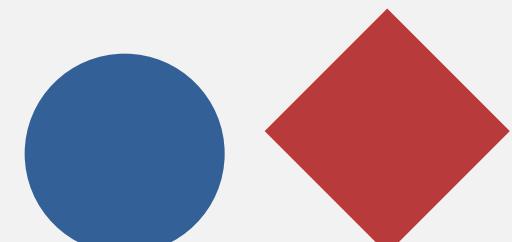
PERSONAS

LOW-FIDELITY WIREFRAMES

HIGH-FIDELITY PROTOTYPES

## Deliverables

- Research Documentation
- High Fidelity Interactive prototype of the application



# HRMS Software | Shramdev Bharat

WHO

WHY

WHAT

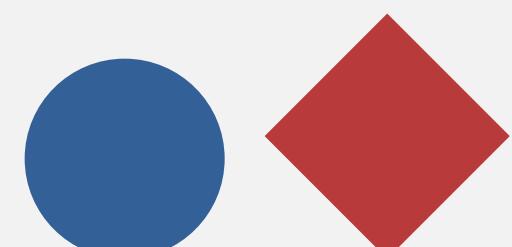
HR PERSONNEL

MANAGERS

MSMEs

- Shramdev Bharat- is India's first platform to provide job opportunities to low, under and semi-skilled workers.
- Empowered to transform the lives of low skilled workers by providing them better job-opportunities.
- The HRMS software was to serve as the primary product at MSMEs which would manage the workforce through a rights perspective.
- A step towards making the unorganised workforce organised.

- An HRMS platform that is context specific taking into consideration the realities of the Indian unorganised workforce.
- Product that onboards, manages employees and payroll of a workforce that shows high rates of employee turnover.
- Keep in mind the requirements of these organisations, and the need to keep it simple and accessible.



# HRMS Software | Shramev Bharat

HOW

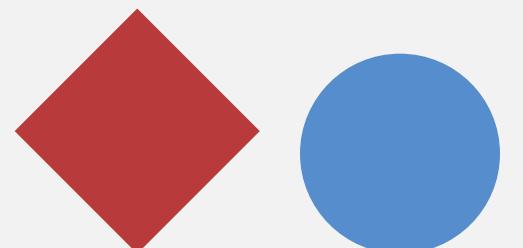
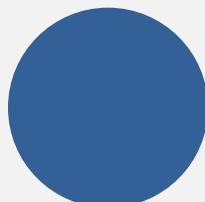
- As a design and research intern, I had to do all the tasks from performing the initial research, competitor analysis, to designing the initial wireframe solutions, to delivering the final high-fidelity interactive prototypes.
- I had to follow the traditional UX process, perform desk research, look at what competitors were doing, and think about what would be required in specific Indian scenarios.
- Then I had to design the Information Architecture according to the user flow
- Finally I had to make the prototypes step-by-step.

WHERE

- The solution would be implemented along with the Shramev Bharat App in phases.
- The details of the same can't be discussed due to NDA.

WHEN

- Period I worked there as an intern from August 2020 - December 2020.



# PROCESS & PROGRESS

## LOW - FIDELITY WIREFRAMES

GALLIA EST OMNIS DIVISA IN PARTES TRES, QUARUM.

DD/MM/YYYY Notifications Name Surname

Dashboard

Employees

Recruitment

Schedule

Payroll

Talent Management

Leaves

Report

Settings

**506** Total Applicants **35** Job Openings **20** Applicant Status **12** Interviews Scheduled **150** Statistics

**ATTENDANCE**

**STATISTICS**

**UPCOMING ACTIVITIES**

- Interview at XX PM
- Onboarding Of Employee
- Payroll Audit
- ...

**PENDING ACTIVITIES**

- ...
- ...
- ...
- ...

**QUICK LINKS**

- ...
- ...
- ...
- ...

Main Dashboard

GALLIA EST OMNIS DIVISA IN PARTES TRES, QUARUM.

DD/MM/YYYY Notifications Name Surname

506

506

506

506

506

**FILTERS**

**56** Jobs Offered **45** Accepted Offers **12** Onboarding Process

**UPCOMING ACTIVITIES**

- Interview at XX PM
- Onboarding Of Employee
- Payroll Audit
- ...

**PENDING ACTIVITIES**

- ...
- ...
- ...
- ...

Employee Dashboard

# MID - FIDELITY PROTOTYPES

**COMPANY NAME:** SEARCH EMPLOYEE/JOB/ANYTHING

**YASHRAJ WADALKAR**

**DASHBOARD:**

- 153** Total Applicants
- 36** Job Openings
- 23** Applicant Status
- 12** Interviews

**ATTENDANCE MONITOR SEPTEMBER 2020**

**LEAVES:** 23+ (Bar Chart)

**SATISFACTION:** 32% (Donut Chart)

**COMPLAINTS:** 12+ (Bar Chart)

**GROWTH:** 32% (Bar Chart)

**Rs. 1250 This week**

**MESSAGES** **LEAVES**

**SEPTEMBER 2020**

**NEXT INTERVIEW AT 12:30 PM**

**AUDIT SCHEDULED ON 30/09/20**

**PAYOUT MANAGEMENT ON 3/09/20**

**REPORT** **SETTINGS**

POWERED BY SHRAMEV BHAVAT

Main Dashboard

**COMPANY NAME:** SEARCH EMPLOYEE/JOB/ANYTHING

**YASHRAJ WADALKAR**

**DASHBOARD > Applicants**

**FILTERS:**

- Job: Filter, Language: Hindi, Education: ITI, Source: Referral, Keywords: Strong, Experience: Fitter
- Language: Marathi
- Education: Govt. Polytechnic
- Source: Portal
- Keywords: Experienced
- Experience: 15+ Y

**APPLICANTS:** Jobs Offered: 56, Accepted Offers: 45, Onboarding: 12

Personal Details	Education	Experience
Sardar Khan Male Hindi	ITI Govt. Polytechnic	Fitter 15+ Y
Sardar Khan Male Hindi	ITI Govt. Polytechnic	Fitter 15+ Years
Ram Patil Male Marathi	Diploma Electrical Govt. Polytechnic	Electrician 25+ Years
Ram Patil M 45	Diploma ITI	Electrician 15 Years
Ram Patil M 45	Diploma ITI	Electrician 15 Years
Ram Patil M 45	Diploma ITI	Electrician 15 Years
Ram Patil M 45	Diploma ITI	Electrician 15 Years

**MESSAGES** **LEAVES**

**SEPTEMBER 2020**

**NEXT INTERVIEW AT 12:30 PM**

**AUDIT SCHEDULED ON 30/09/20**

**PAYOUT MANAGEMENT ON 3/09/20**

**REPORT** **SETTINGS**

Displaying 8 of the 56 results

1-56

POWERED BY SHRAMEV BHAVAT

Employee Dashboard

# HIGH - FIDELITY PROTOTYPES

Company Name  
A TAFA Enterprise

SEARCH EMPLOYEES/JOB/ANYTHING

16/11/20 | 23:59PM Quick Links Suresh Chavanke Logged In

Day Week Year Month   
 16/11/2020-23/11/2020

### Good Afternoon, Mr.Suresh!

DASHBOARD

EMPLOYEES

JOB

APPLICANTS

PAYROLL

MY SCHEDULE

LEAVES

TALENT MANAGEMENT

REFERRALS

REPORT

POWERED BY SHRAVEV BHARAT

TOTAL APPLICANTS **1,345**

JOB OPENINGS **1,345**

APPLICANT STATUS **1,345**

INTERVIEWS SCHEDULED **1,345**

ATTENDANCE MONITOR

Rs. 19,345  
Spent this week  
[ALL SPENT SUMMARY >](#)

360/450  
Employees Paid  
[PAYROLL SUMMARY >](#)

CALENDAR

UPCOMING EVENTS

- Next Interview At 23:59
- Audit On 29/12/2020
- Audit On at 31/12/2020

MESSAGES

PRODUCTION

HOLIDAYS **23**

DEMOGRAPHICS

PAID  
SICK  
LEFT  
MISC.

30-40y  
20-30y  
40-50y  
50-60y

Company Name  
A TAFA Enterprise

SEARCH EMPLOYEES/JOB/ANYTHING

16/11/20 | 23:59PM Quick Links Suresh Chavanke Logged In

← DASHBOARD > EMPLOYEES

DASHBOARD

EMPLOYEES

JOB

APPLICANTS

PAYROLL

MY SCHEDULE

LEAVES

TALENT MANAGEMENT

REFERRALS

REPORT

POWERED BY SHRAVEV BHARAT

FILTERS

Status: Active

Language: Hindi  Marathi

Department: ITI

Source: Referral  Portal

Keywords: Strong  Experienced

## EMPLOYEES

0 Selected  Select All Edit Delete EXPERIENCE

ID	NAME	GENDER	AGE	DEPARTMENT	STATUS	⋮
2145	Sudhir Chowdhary	MALE	47	ITI	Full-Time	⋮
4612	Ganab Aoswami	MALE	29	Govt. Diploma	Part-Time	⋮
2144	Samit Shah	MALE	35	ITI	Part-Time	⋮
3254	Karendra Bodi	MALE	28	Diploma	Part-Time	⋮
1325	Vilbha Bitthal	FEMALE	35	Diploma	Part-Time	⋮
4688	Ram Patil	MALE	43	BSc	Full-Time	⋮
4654	Suyash Tilak	MALE	48	Diploma	Part-Time	⋮
4566	Yogeshwari Suresh	FEMALE	58	ITI	Full-Time	⋮
6544	Yogeshwar Aditya	MALE	46	Diploma	Part-Time	⋮
5456	Syed Mohammed	MALE	52	Govt. Diploma	Part-Time	⋮
5454	Sulbha Idduswami	FEMALE	60	ITI	Full-Time	⋮
6546	Suresh Adhruranjan	MALE	46	Diploma	Part-Time	⋮
4564	Yashraj Wadalkar	MALE	32	Govt. Diploma	Part-Time	⋮
6457	Kumar Jagnesh	MALE	45	Govt. Diploma	Full-Time	⋮

Show 14   2 3 4 5 — 16  Jump To

CALENDER

November

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

UPCOMING EVENTS

Next Interview At 23:59

Audit On 29/12/2020

Audit On at 31/12/2020

MESSAGES

Company Name  
A TAFA Enterprise

SEARCH EMPLOYEES/JOB/ANYTHING  16/11/20 | 23:59PM Quick Links Suresh Chavanke Logged In

← DASHBOARD > APPLICANTS

**J OBS**

0 Selected  Select All

Job Title	Category	Status	Skills	Date	Action
Electrician-Fitter	Assembly manager	Active	9999 9999 9999 9999	10-12-2020	...
Electrician-Fitter	Assembly manager	Active	9999 9999 9999 9999	10-12-2020	...
Electrician-Fitter	Assembly manager	Expired	9999 9999 9999 9999	10-12-2020	...

Applicants In Progress Accepted Rejected

Show 14

**CALENDAR**

November

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

**UPCOMING EVENTS**

Next Interview At 23:59 Audit On 29/12/2020 Audit On at 31/12/2020

**Messages**

DASHBOARD

EMPLOYEES

J OBS

APPLICANTS

PAYROLL

MY SCHEDULE

LEAVES

TALENT MANAGEMENT

REFERRALS

REPORT

POWERED BY SHRAVEV BHARAT

# **Co-Curriculars**

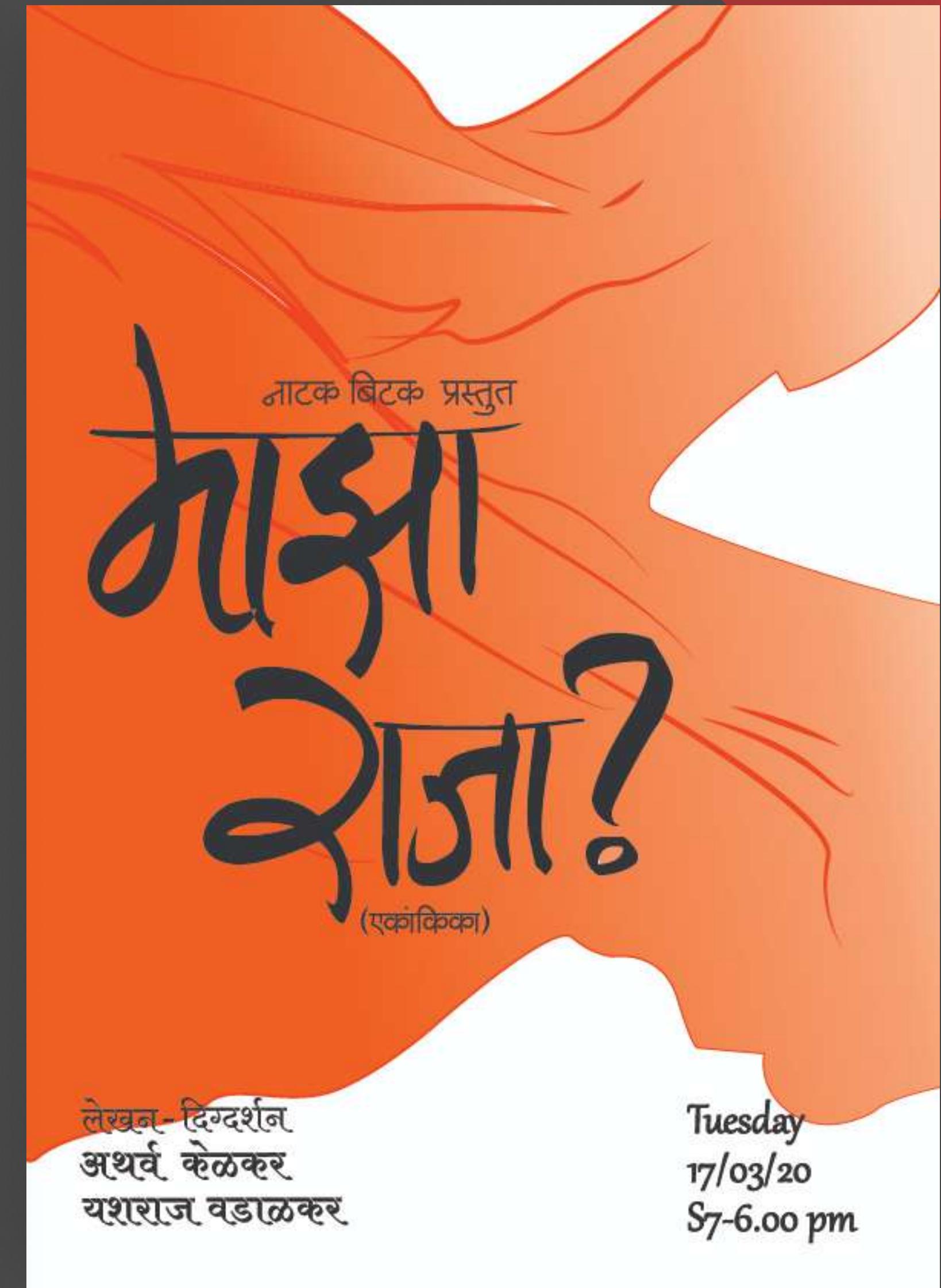
The things that keep me  
going..

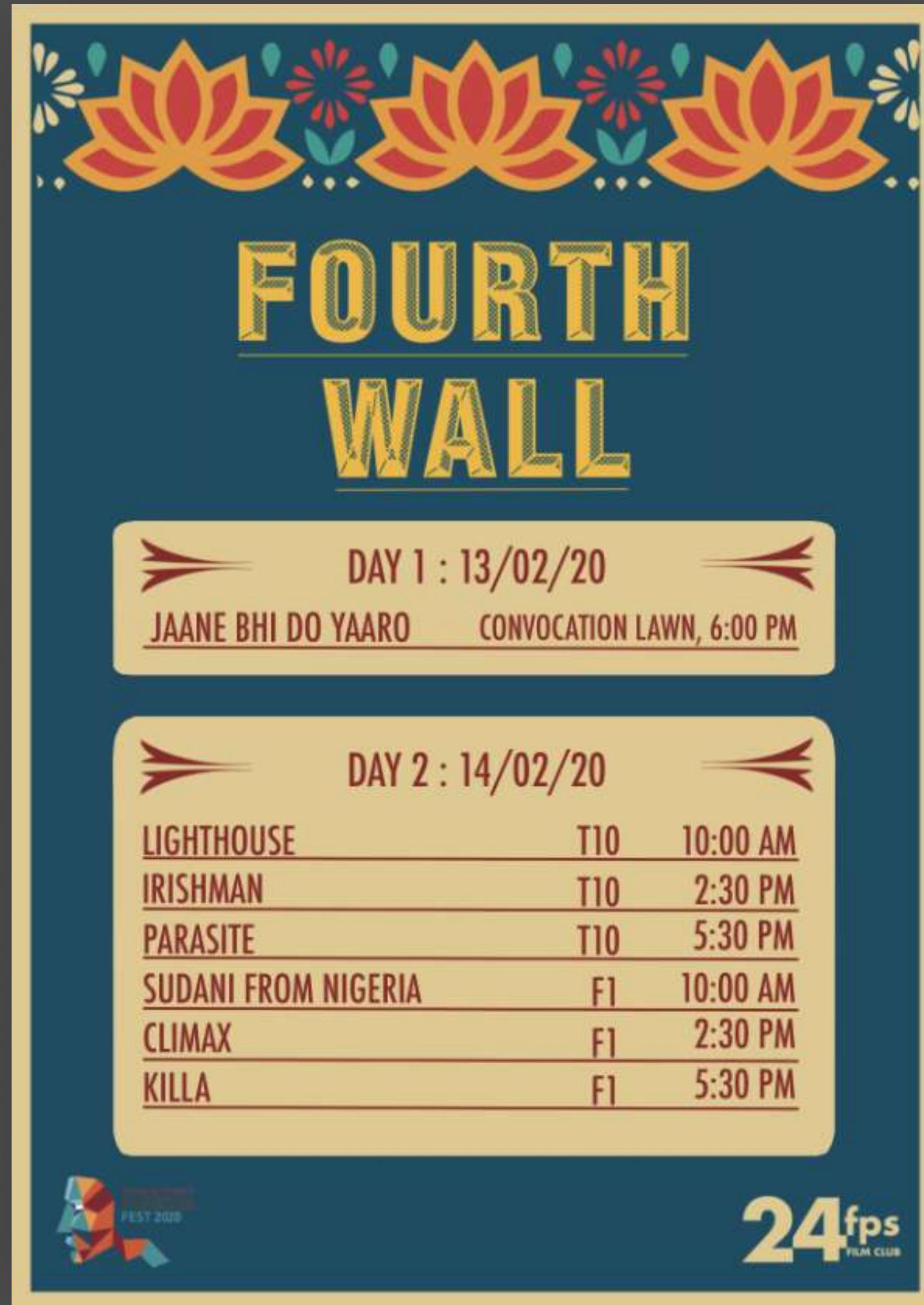
# Theatre | Natak Bitak

I was the co-founder of the college club, Natak Bitak, the official theatre club of the MIT-ADT University.

I was the Student Representative of the organisation. I was responsible for looking after the day to day operations, handling the logistics, team management and reporting to the University Faculty Incharge. I had to look after the budget, and other many other things.

As a part of the same organisation, I co-wrote and directed a full one-act play, "Mazha-Raja.





## 24fps | Film Club

Apart from Natak Bitak, I'm a core member of 24fps, the official film club of my college. I was responsible to plan and pull off the Official film-festival of the University.

The attendance for the same would be around 150-200 people.

Apart from that i had to look after the day-to-day screenings, logistics, and discussions of the same.

# Trinity College of London | GESE & ISE certifications.

I have given GESE - Graded Examinations in Spoken English exams, upto the Intermediate Grade Level - 9. I have secured distinction in all the levels. Apart from that, i have also given the written ISE - Integrated Skills in English level till ISE Level 1. I have secured distinction in the same.

GESE exams are one-to-one, face-to-face assessments of English language speaking and listening skills with a Trinity examiner, who encourages the candidate to show what they can do through prompts and authentic interactive dialogue. The exam length is 5-25 minutes depending on the grade.

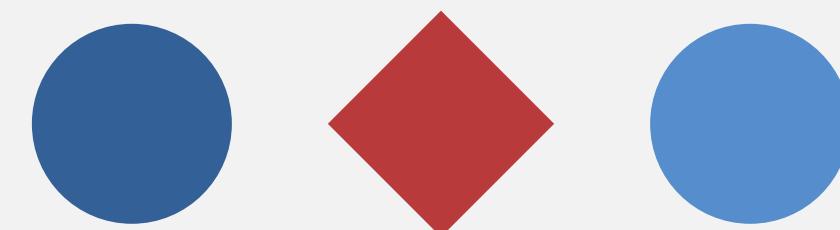
Trinity's Integrated Skills in English (ISE) is a contemporary four skills (reading, writing, speaking and listening) qualification recognised by governments and institutions as providing reliable evidence of English language proficiency.

# On an ending note.

This is who I am, and this is my work. It has it's faults and gaps, and i have my own shortfalls.

I may be underqualified, but what I lack in skills, experience, I compensate for with my intent, and dogged determination to make this happen, come what may.

It is a job way bigger than all of us, and it needs to be done. I humbly request you to consider me.





**Thank You.**