User Group





Team

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Design Process

Initial understanding of the project brief

User selection

Study, analysis & inference from users

Redefining project brief

Design goals

Preliminary concepts

Final concept

Product evaluation

User feedback

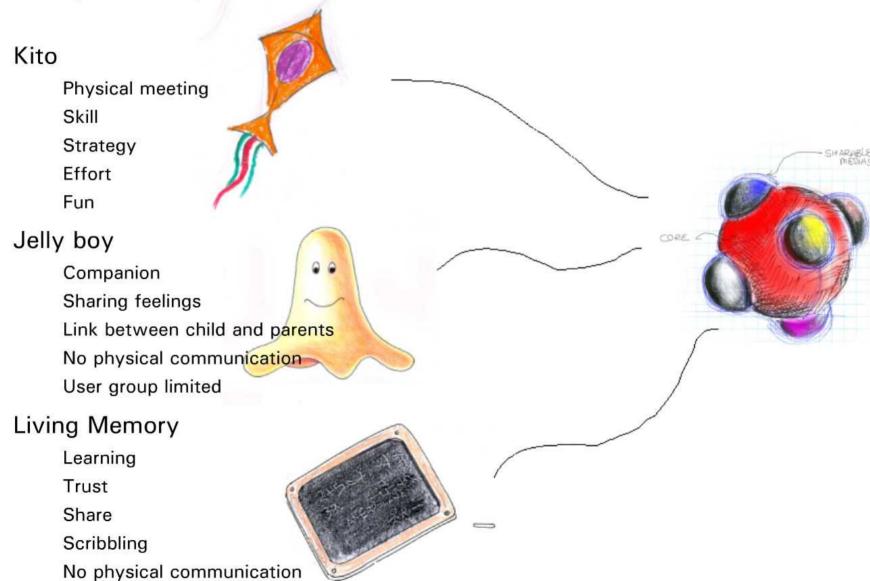
Product interaction design

Children

Early Concepts



Early concepts & Marbo



Children

Final Concept



Marbles – features

Personalization

Exchange of marbles

Different sizes, colors, designs

Parent and secondary marbles

Strategy for different games

The more u play, the more u learn

Entertainment for players





History of marbles

3000 years old

Clay marbles found in ancient Egyptian tombs

Found in Mexico and USA dating back to 100BC. .

19th Century marbles were being mass produced.

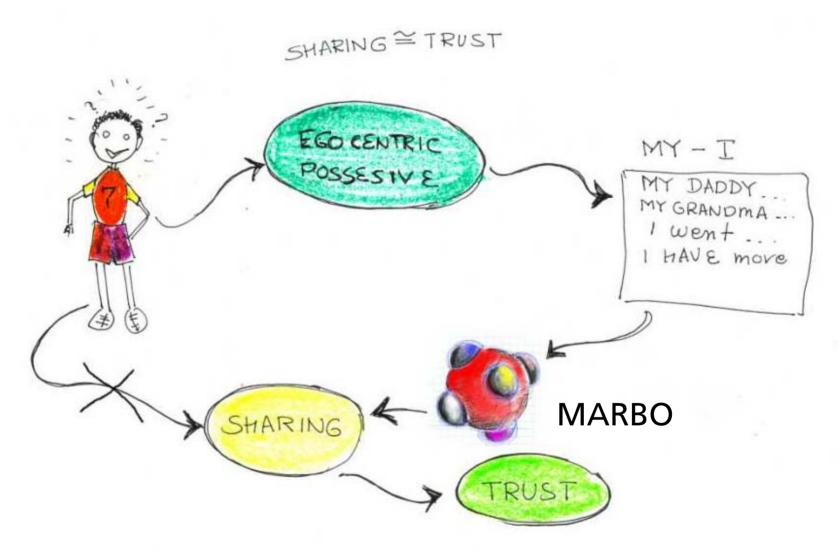
Originally marbles were made of many kinds of materials - clay, bone, polished nuts and stones, and indeed marble.

Now most marbles are made of glass.





& we found the solution...



marbo





MARBO - Product features

Customization-look, color, feel

Sharing – stories, pictures, learning, ...

A device to invite friends

Language building

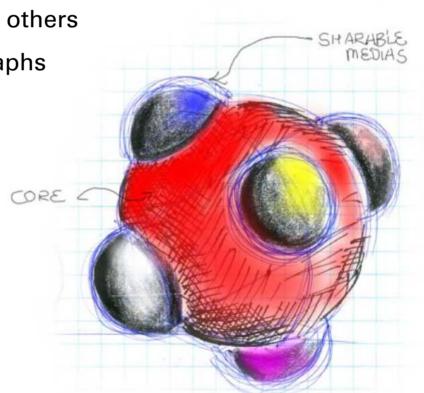
Detachable marbles that can be given to others

Sharing scribbles, doodles and photographs

Morphing of shape and skins

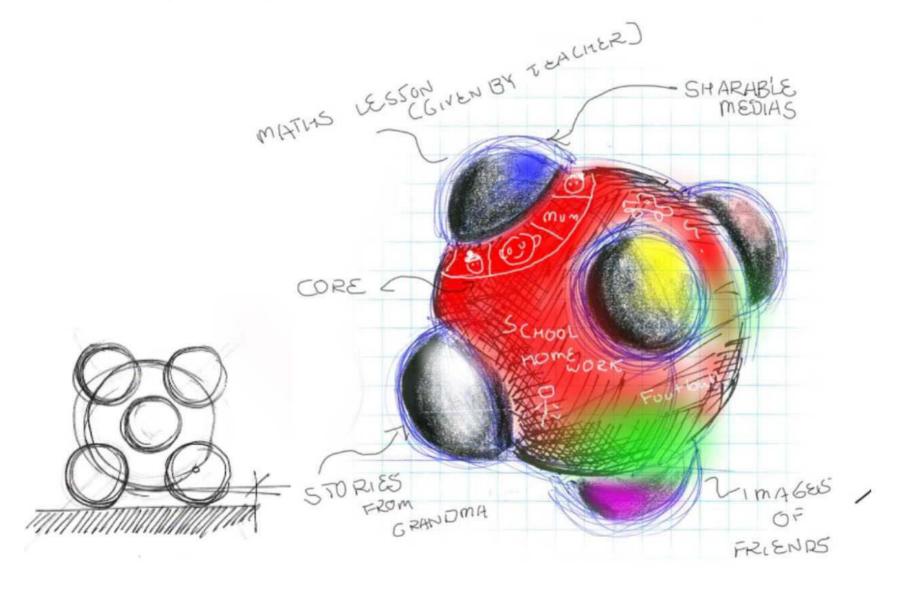
Collaborative learning

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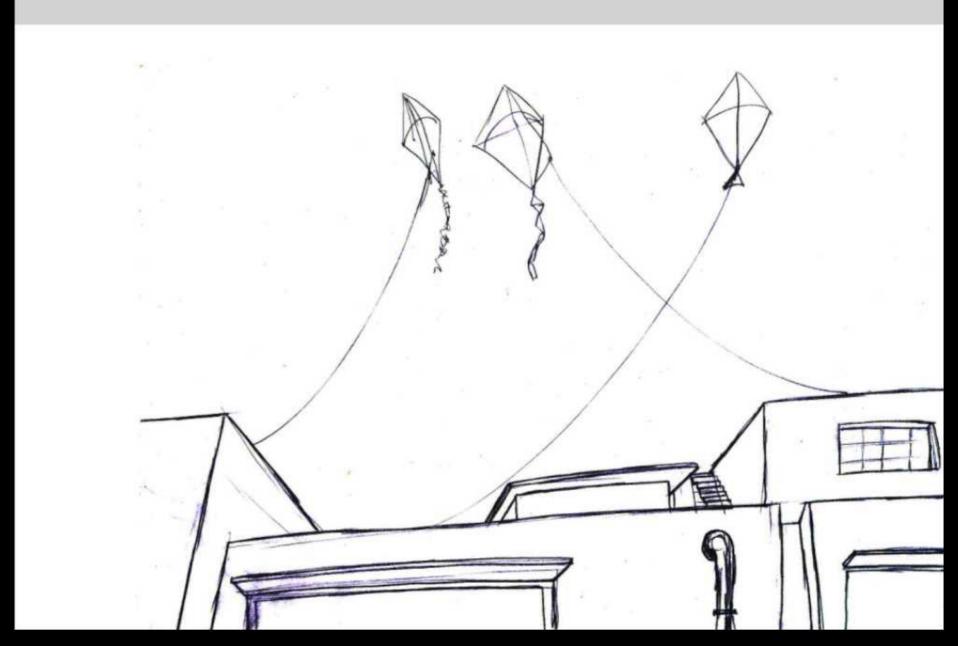
MARBO - Product features

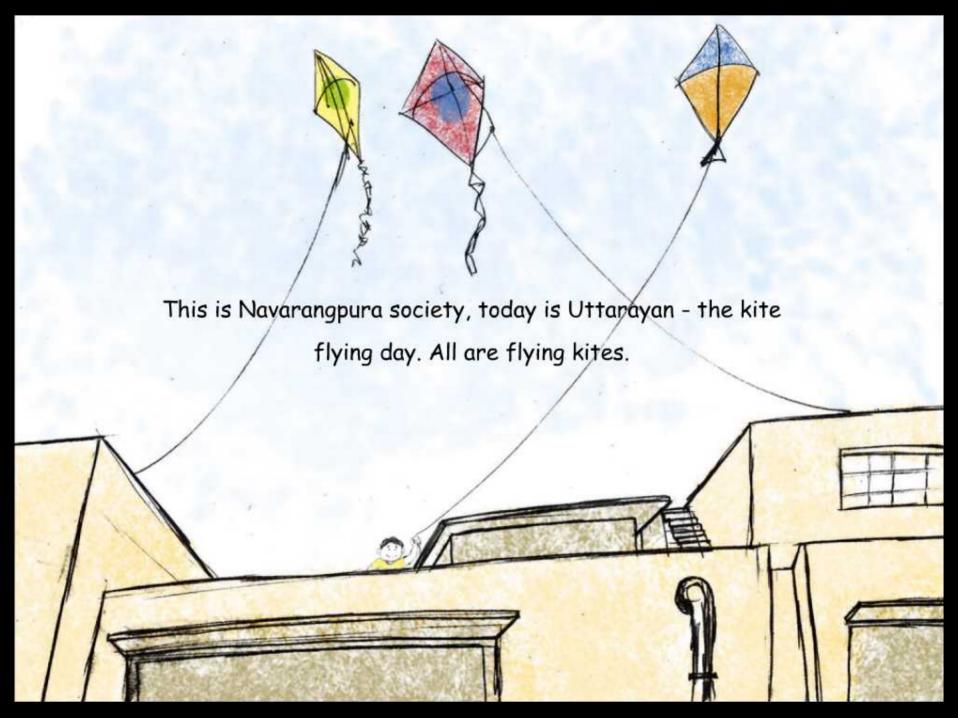


Children

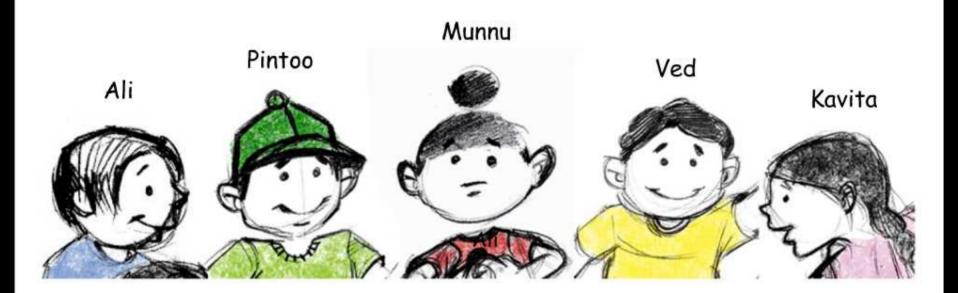
Scenario

Scenario



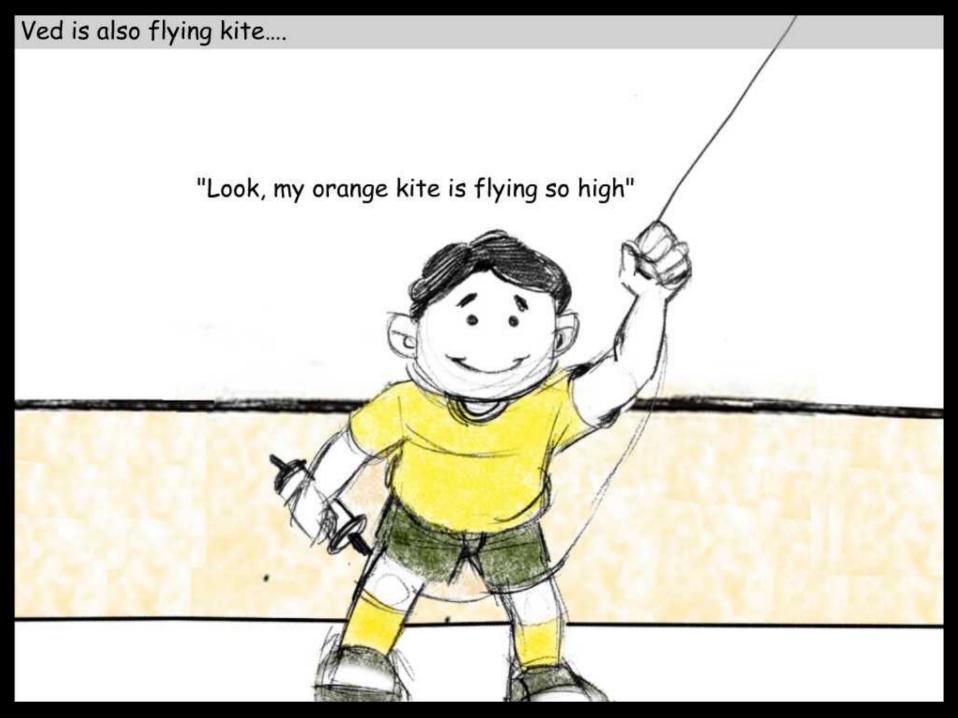


Ali, Pintoo, Munnu, Ved and Kavita are friends in the society, nowadays a fat guy called Motu is also there in the society





Jugal - the MOTU

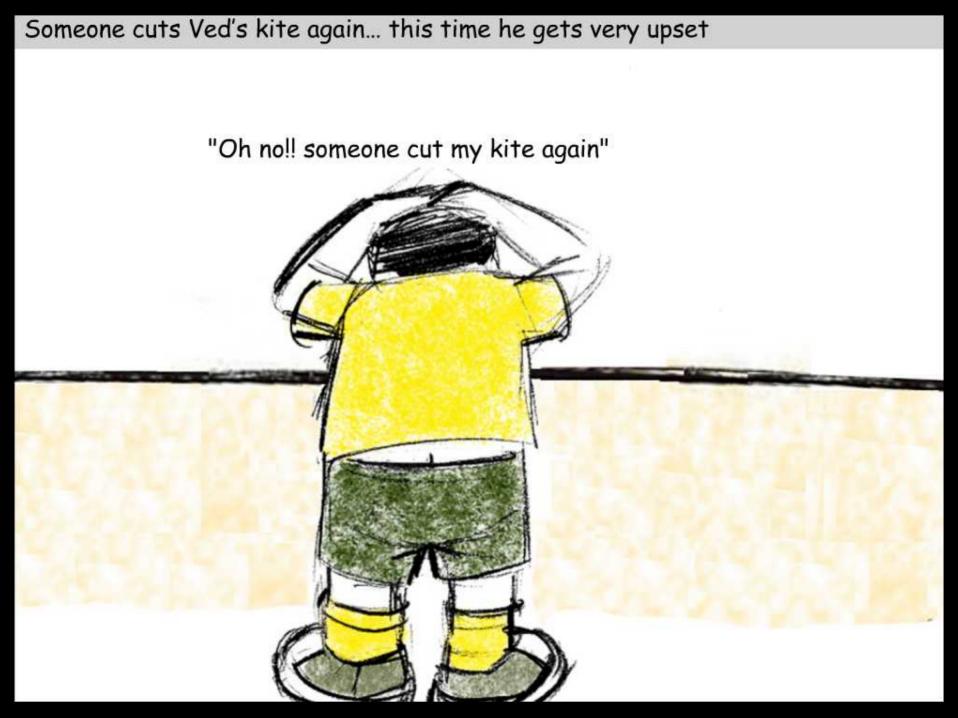




"No problem, i have another one"







Ved looks out at the opposite terrace, it was the fat guy motu cutting Veds kite



Hehehe!! hahaha!! hehehe!!

"You motu!! i will see you..."



Ved tries to contact his friend Pintoo with his Marbo and asks for help in cutting Motu's kite



This is Ved's friend, Pintoo, he is also flying kite in his terrace...



Pintoo has a similar Marbo as Ved, when Ved contacts Pintoo, his marbo starts

ringing



Ved scribbles a message for Pintooc on his Marbo...



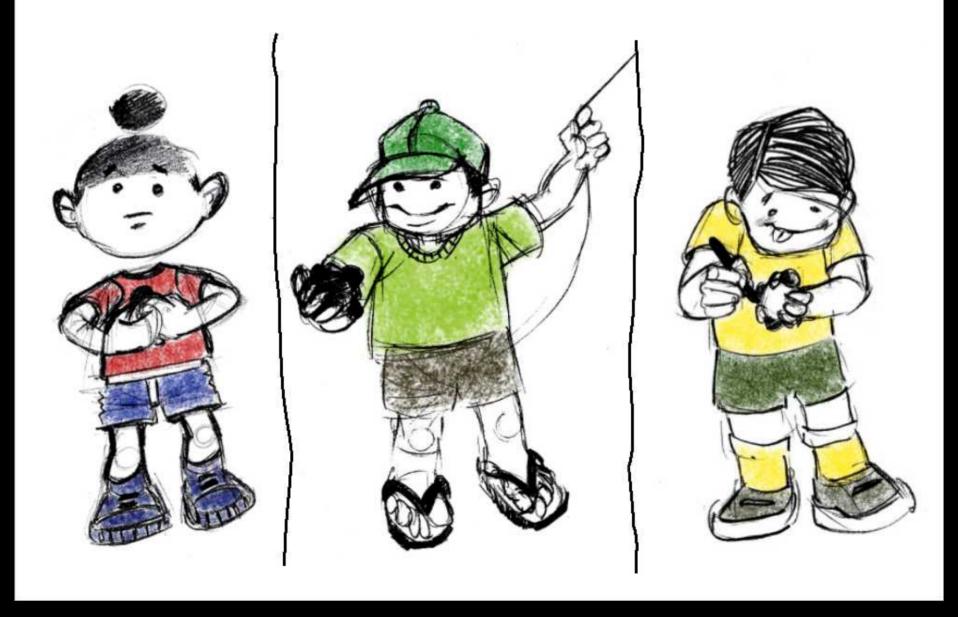
Pintoo gets Ved's scribbled messagae on his Marbo...



This is Ved and Pintoo's friend Munnu...he also has his own Marbo



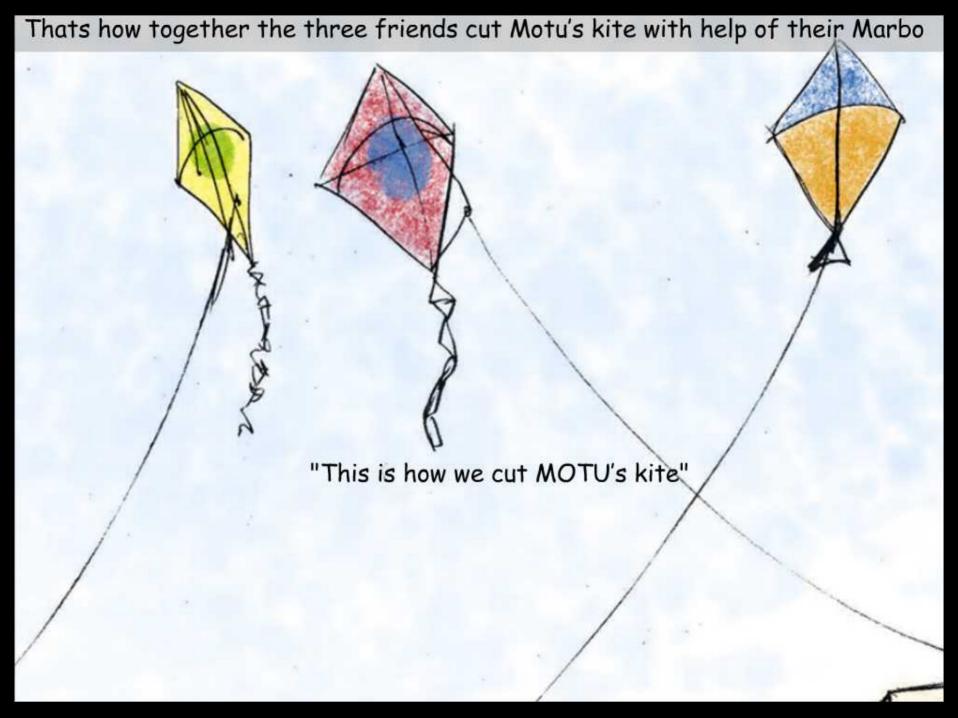
"Oh Ved and Pintoo need help in cutting Motu's kite... No problem, lets together scribble a plan on on our Marbo"





According to the strategy they decided on their Marbo, Ved, Pintoo and Munnu attack Motu's kite







Munnu takes MOTU's picture on his Marbo



All friends have a look at Motu's photo in Pintoo's Marbo..

"Lets look at Motu's photo in my Marbo"



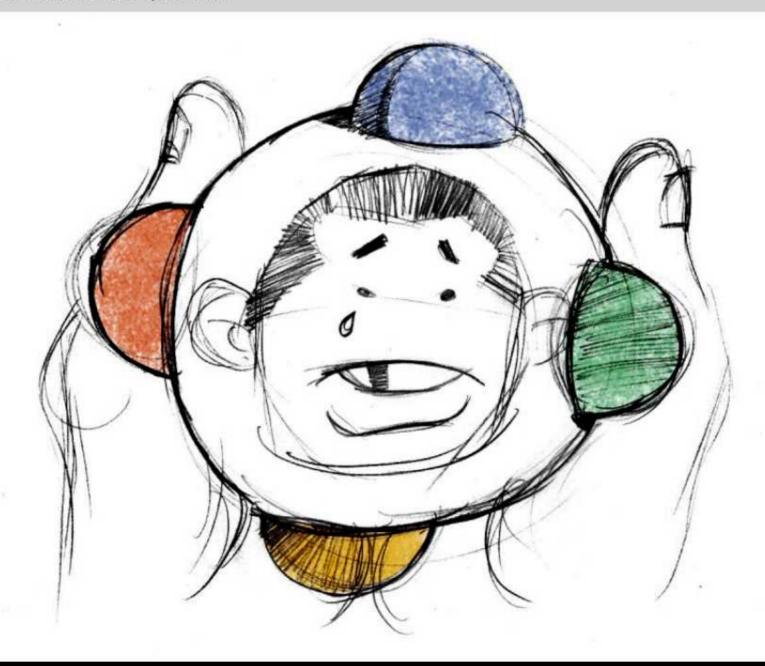


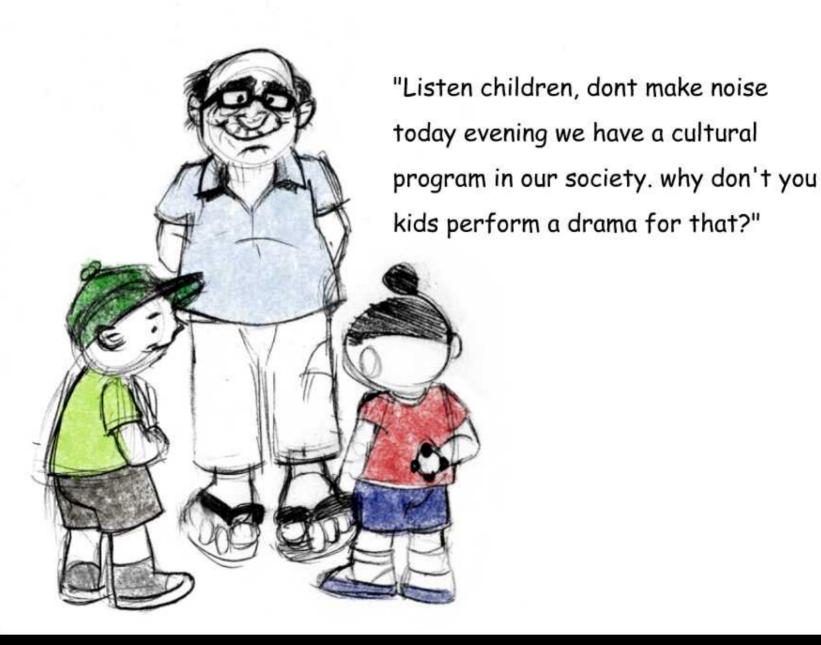
"Look guys i have the picture of Motu in my Marbo" All friends have a look at Motu's photo in Pintoo's Marbo..

"Lets look at Motu's photo in my Marbo"

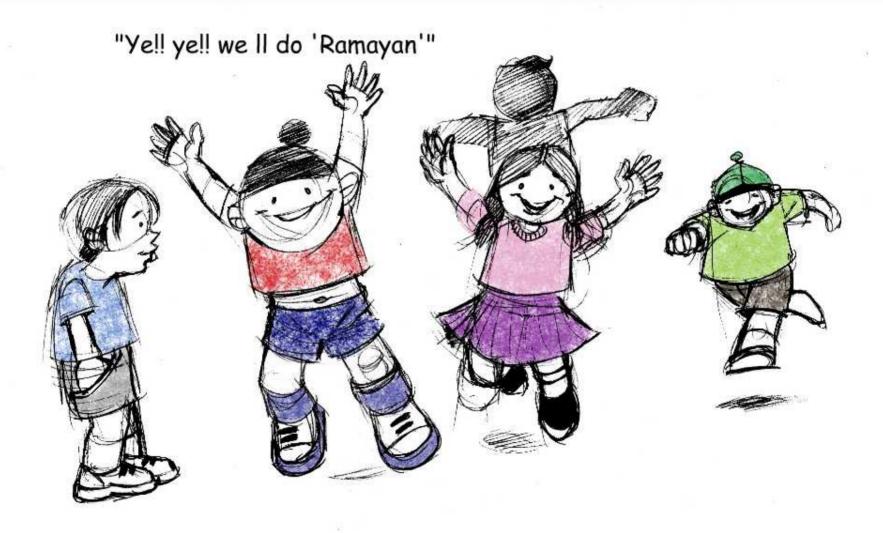


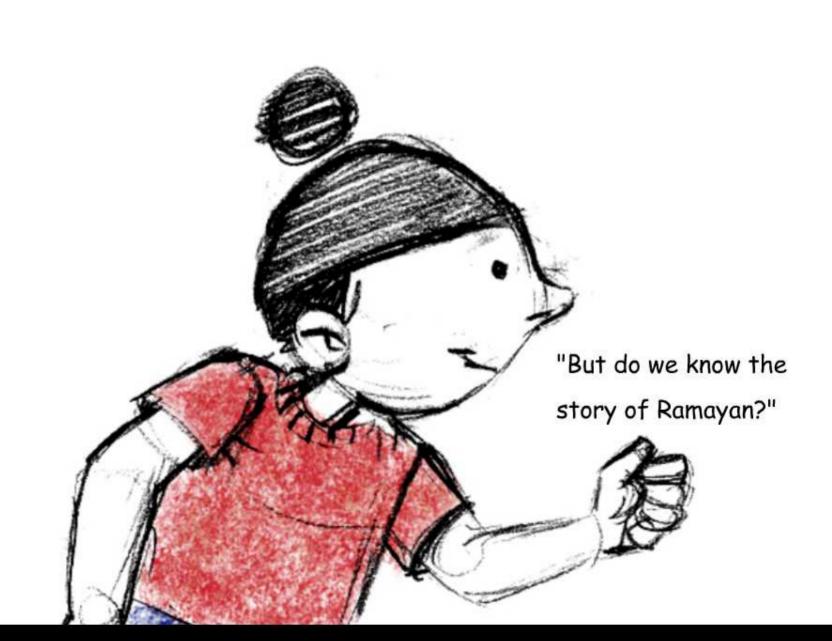
Munnu shares his marble





Popat uncle suggested them to make 'Ramayan' skit...'Ramayan' is a holy Indian epic of God Rama





Kavita had the story of 'Ramayan' in her Marbo. Her grandma told her that a day before.

"I have the story of Ramayan in my Marbo"



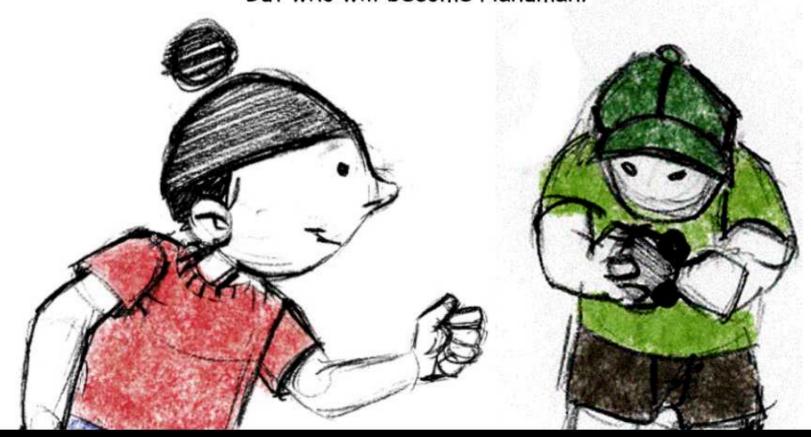


Kavita gives her 'Ramayan' marble to Pintoo and they all hear the 'Ramayan' story in grandma's voice



Hanuman is an important character in the story of 'Ramayan'. His face is like that of a monkey

"But who will become Hanuman?"

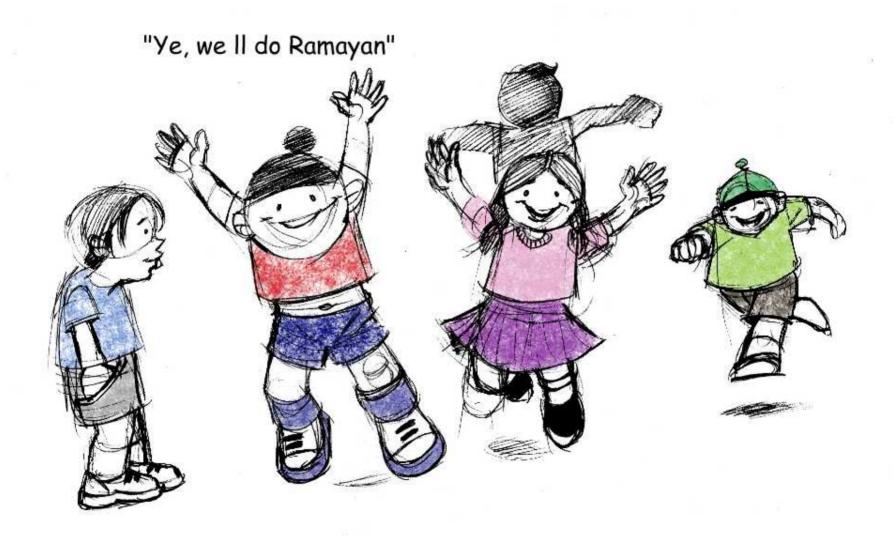


Pintu modifies Motus face to Hanuman in his Marbo with the pen tool...

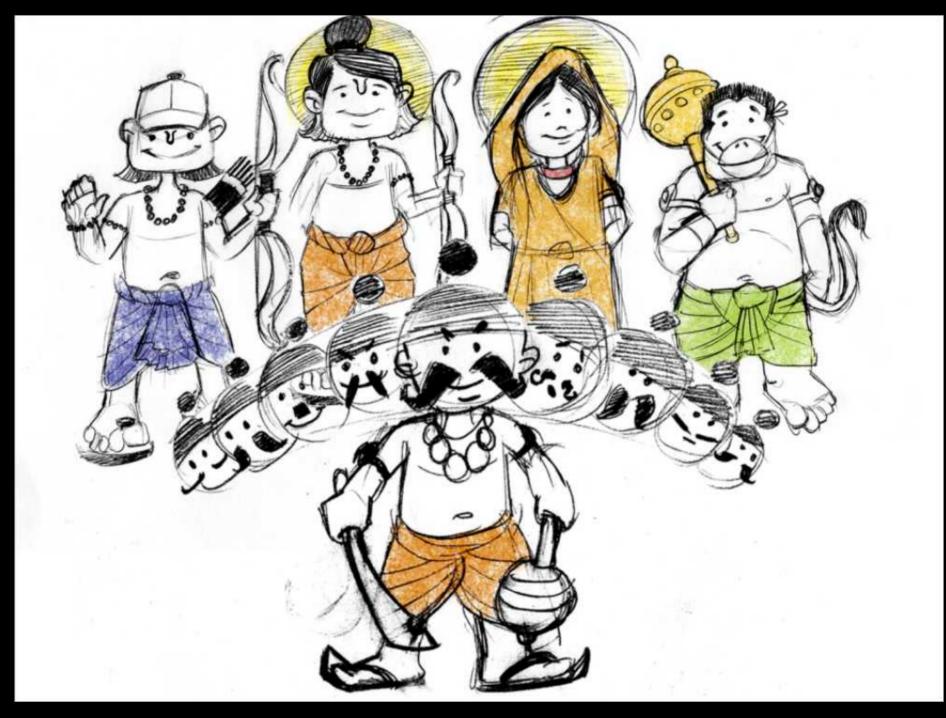


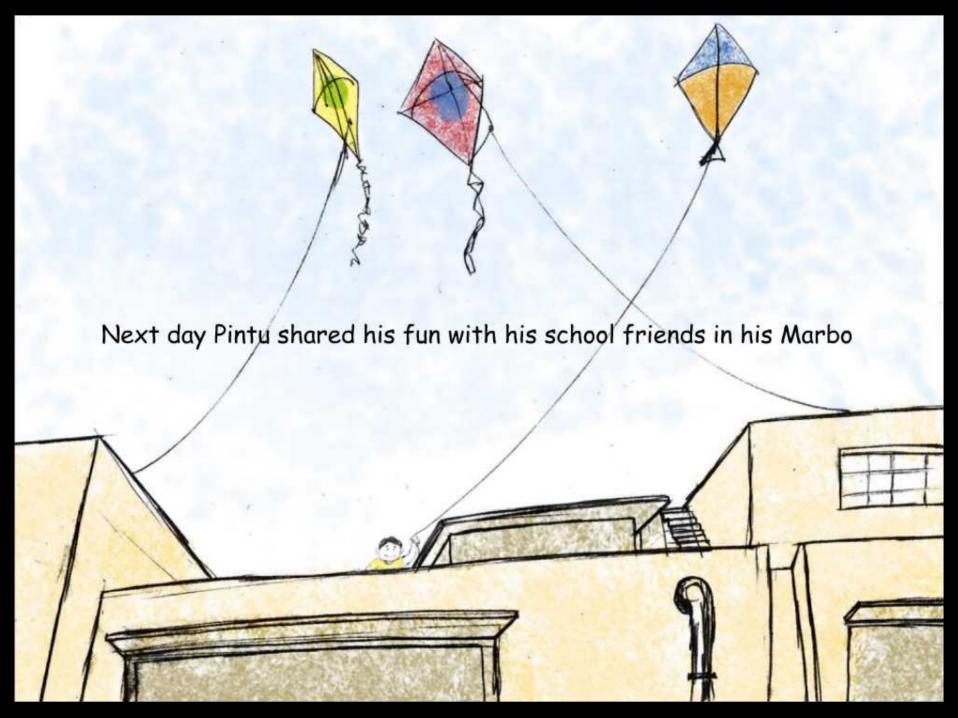






......& they all performed skit of 'RAMAYAN' that day in society cultural program



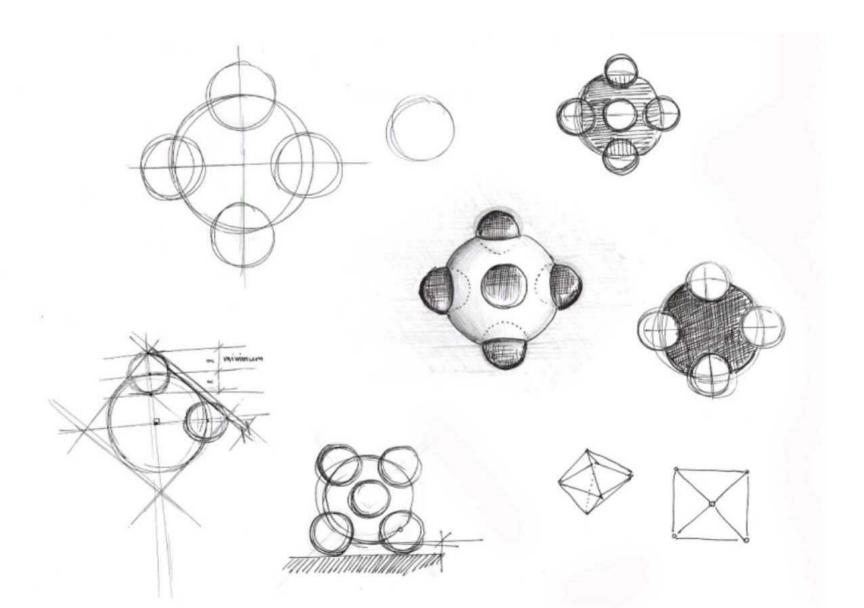


MARBO



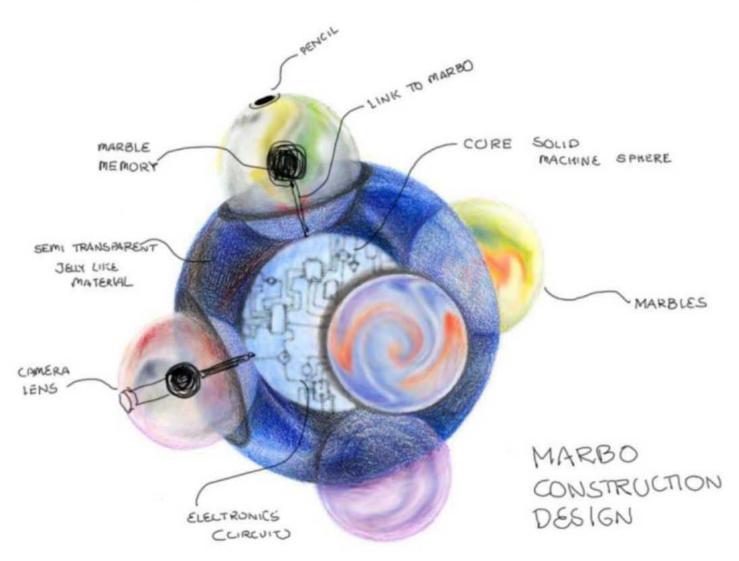


Initial sketches





Inside MARBO

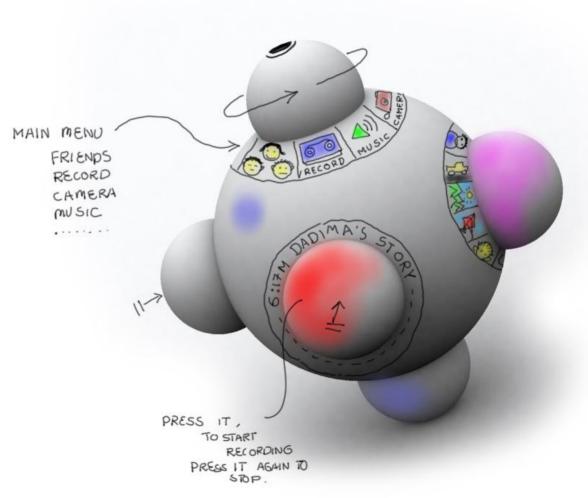




Interaction with MARBO

MARBO has a main display screen, on which menus are displayed, child can doodle, draw,....

Each marble on the sides can be detachable and sharable to others. These marbles can contain stories, music, pictures,...

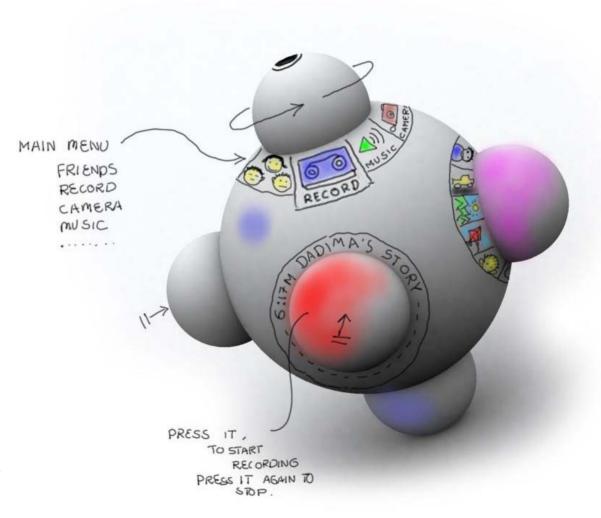




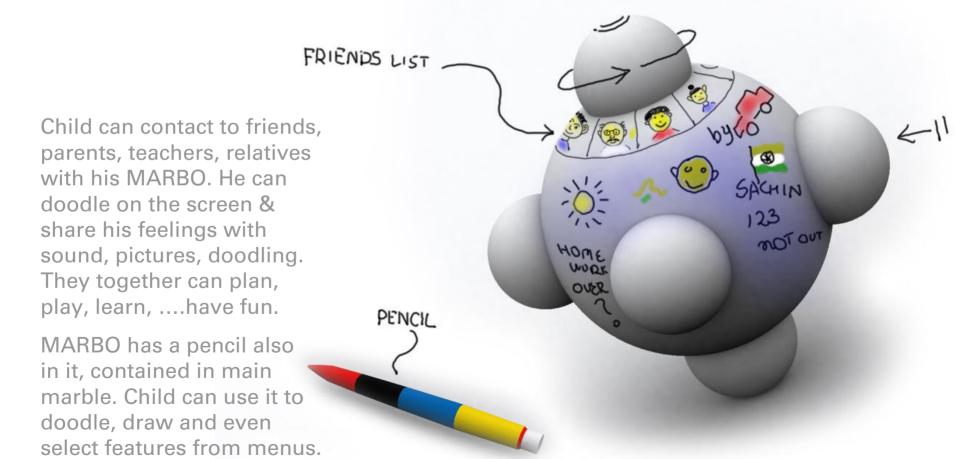
MARBO has one main marble. The main marble represents the child. Main features of MARBO are around it, like Friends, Record, Music, Camera, Drawing

Children can select the feature by turning the main marble & pressing it, whatever they want to select.

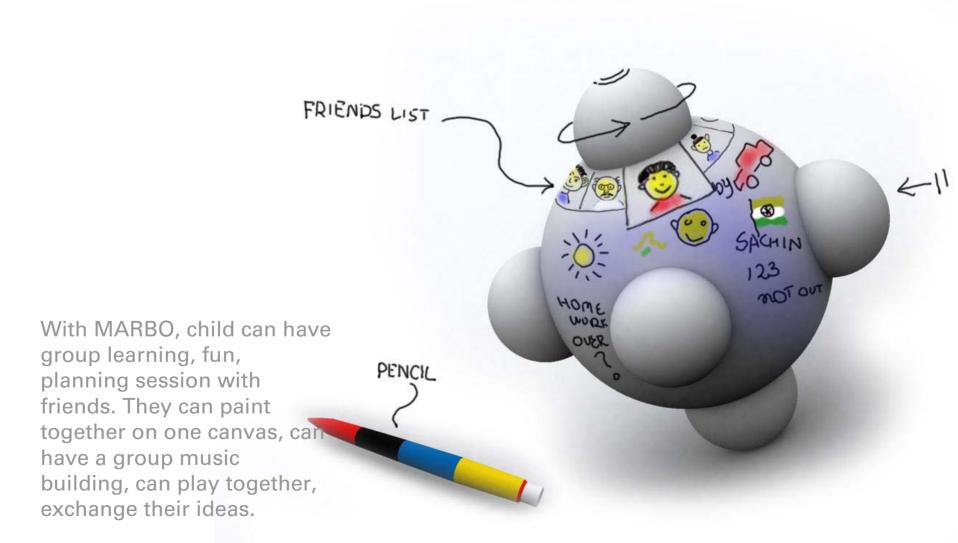
Record is selected as in the MARBO beside. Now they can record Grandma's story in any other marble.



Children







Children



MARBO has a very good property of customizing the look & feel. Child can paint his MARBO according to his choice. He can have picture of Pokemon or Spiderman on it.

Children

Feedback

Feedbacks from children

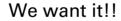






Can I change the way it looks?







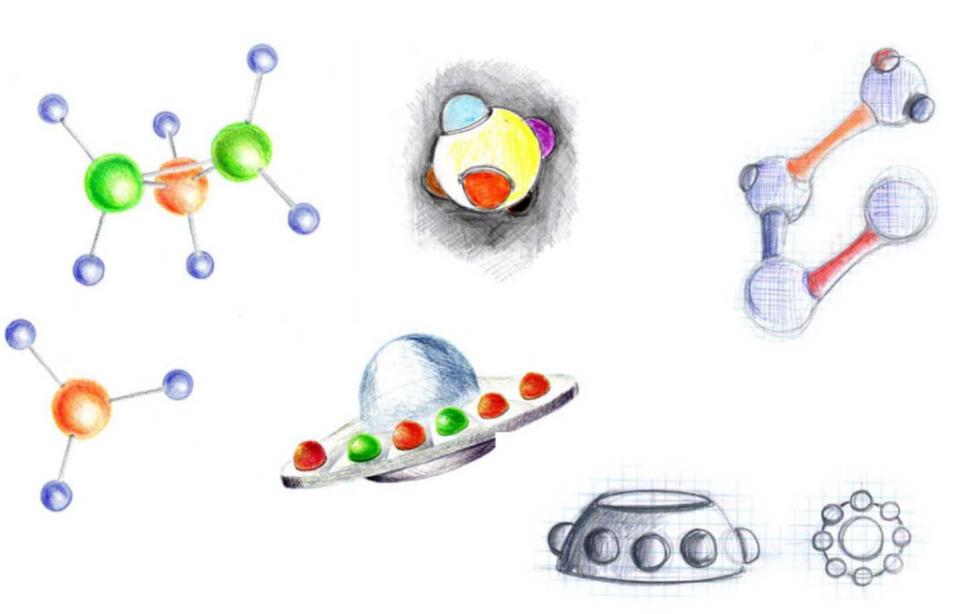








MARBO variations





Extended scope of MARBO

Education

Construction

Parent child relationship

Teacher child relationship

School and MARBO

Learning

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Acknowledgement

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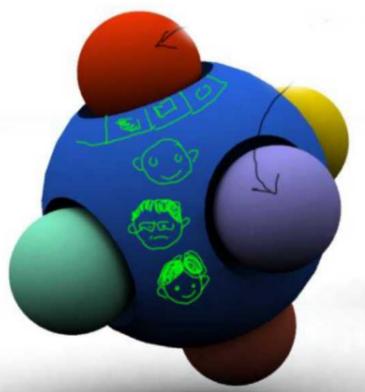
Principal, New Era School

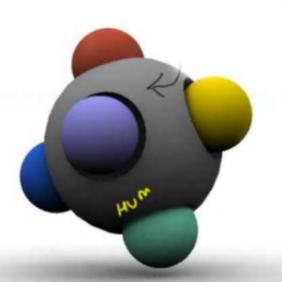
NAVNIRMITI

To all the kids



THANK YOU
VERY MUCH





Amisha Muthukumar Pranav