Case Study

Design a communication system/device to build closeness/trust between people

'People to People, from close friends to strangers'

Part Two

Design Process

- . Problem Statement
 - . Understanding the problem worldview
 - . User Study inquiry
 - . Conceptual Model
 - . Early Concepts
 - . Final Concept
 - . Scenario
 - . Product Development
 - . Interface Design
 - . User Feedback

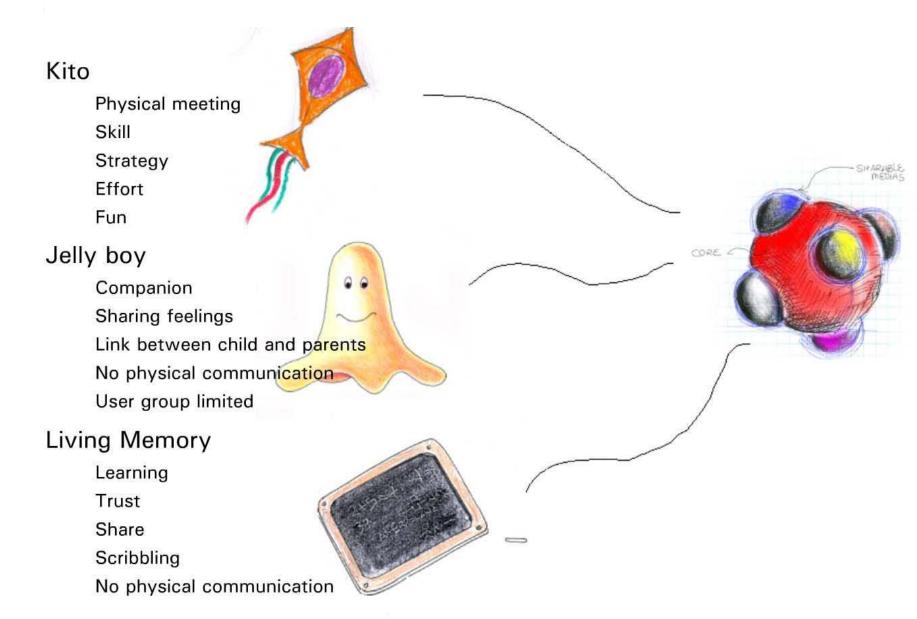




Early Concepts

Early Concepts





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

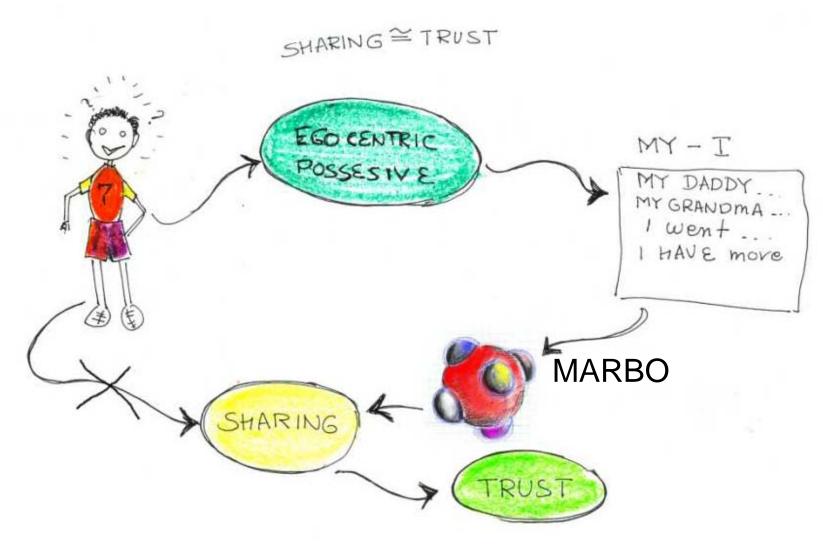


History of Marbles

- . 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

conceptual model





marbé

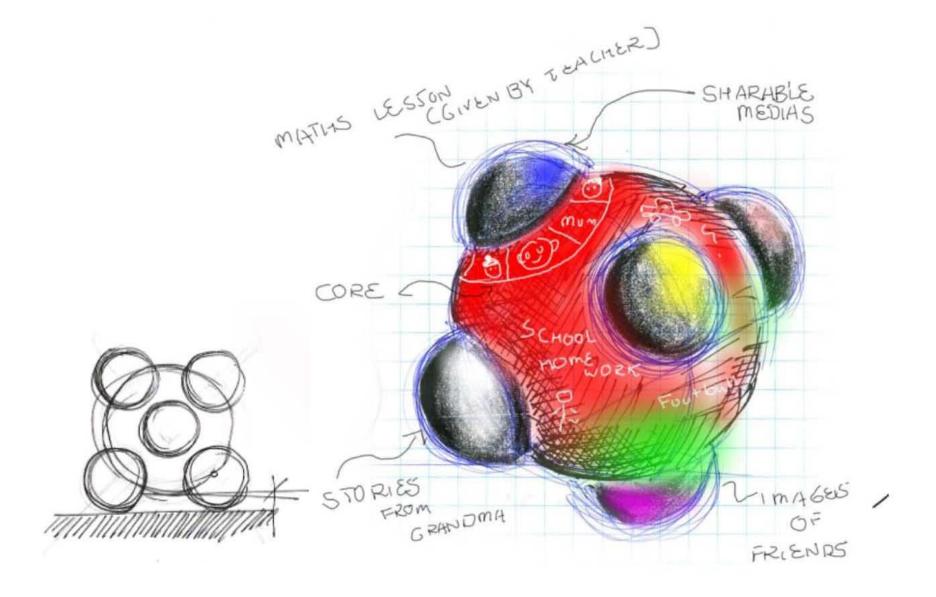




Marbo - Product Features

- . 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

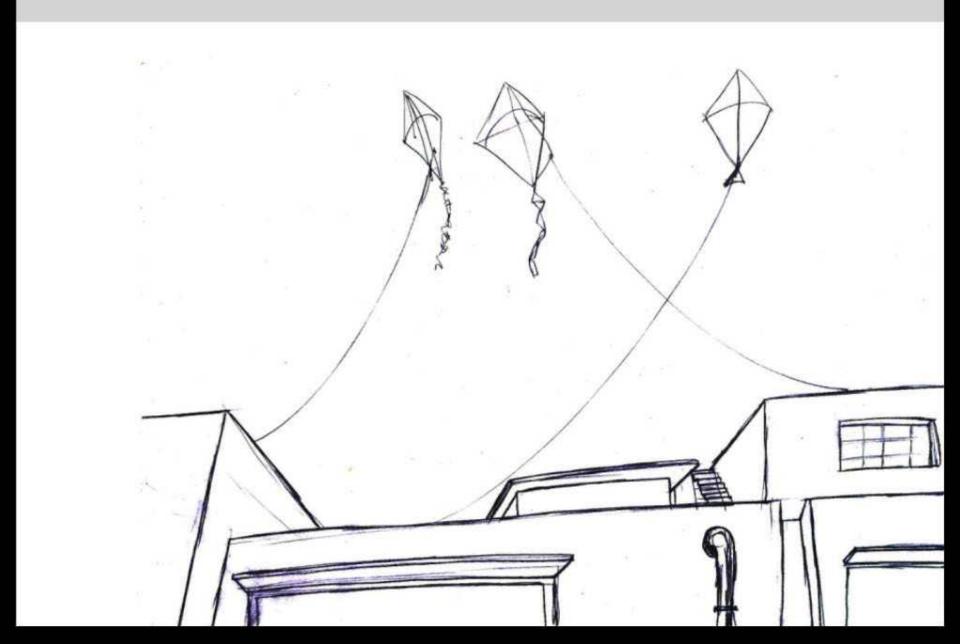
Marbo - Product Features

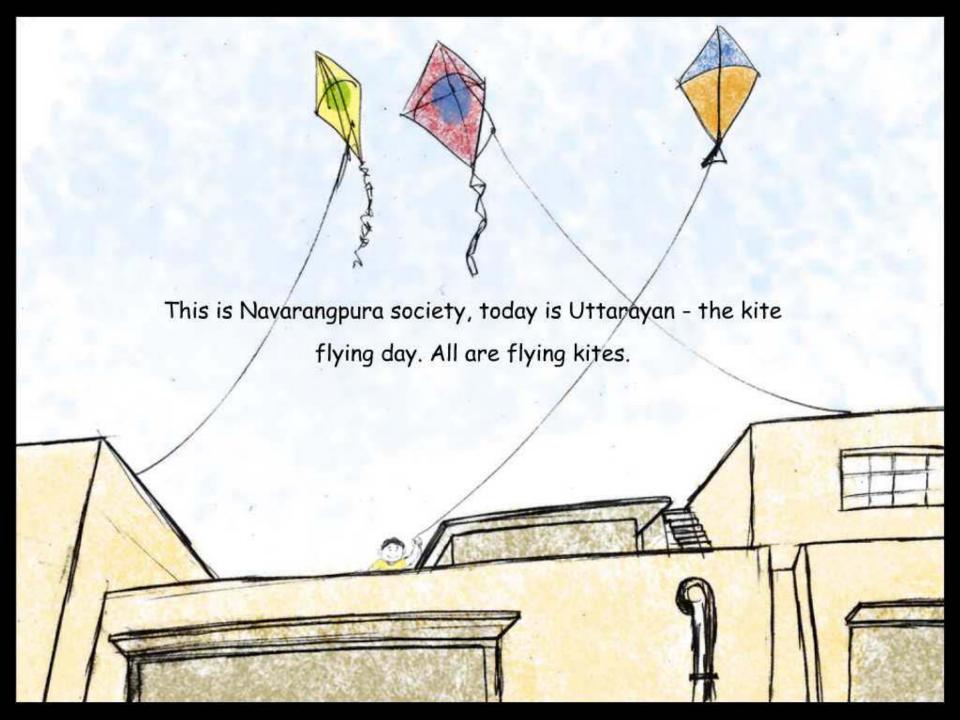




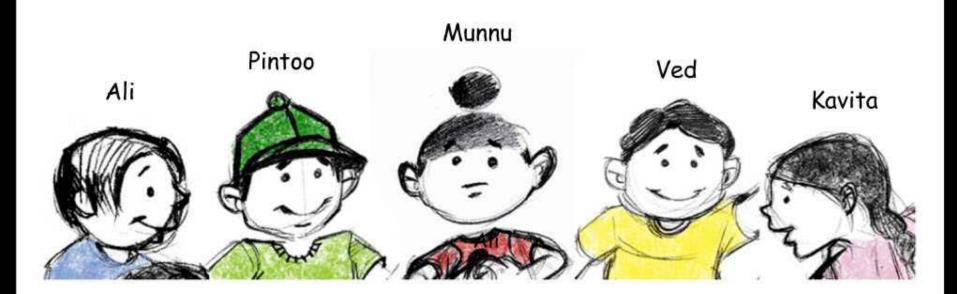
Scenario

Scenario





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

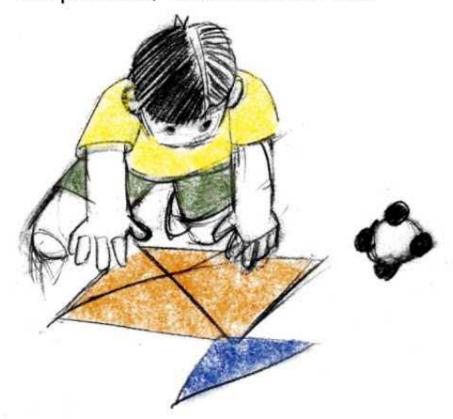




Jugal - the MOTU



"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...



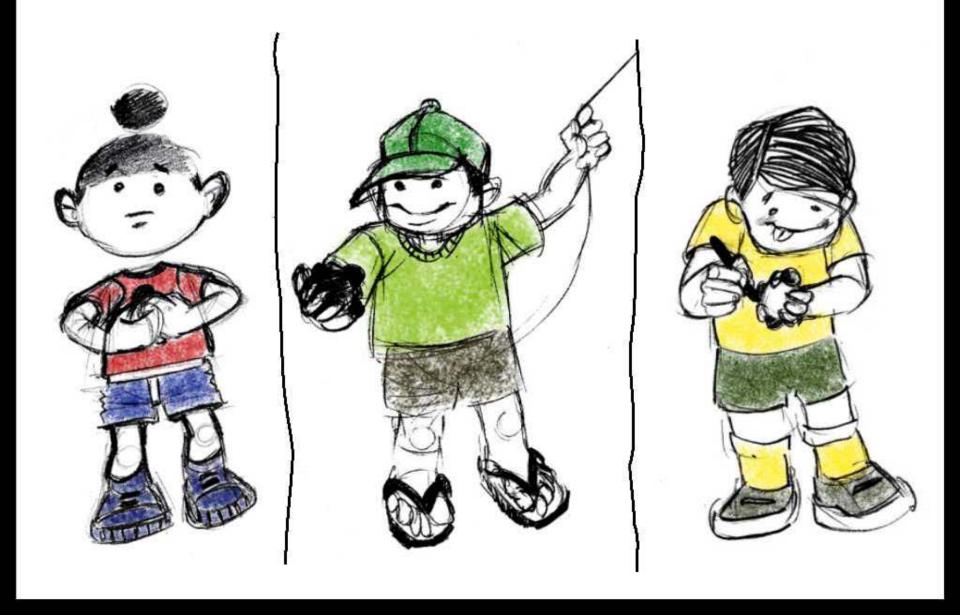
Pintoo gets Ved's scribbled messagae on his Marbo...



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



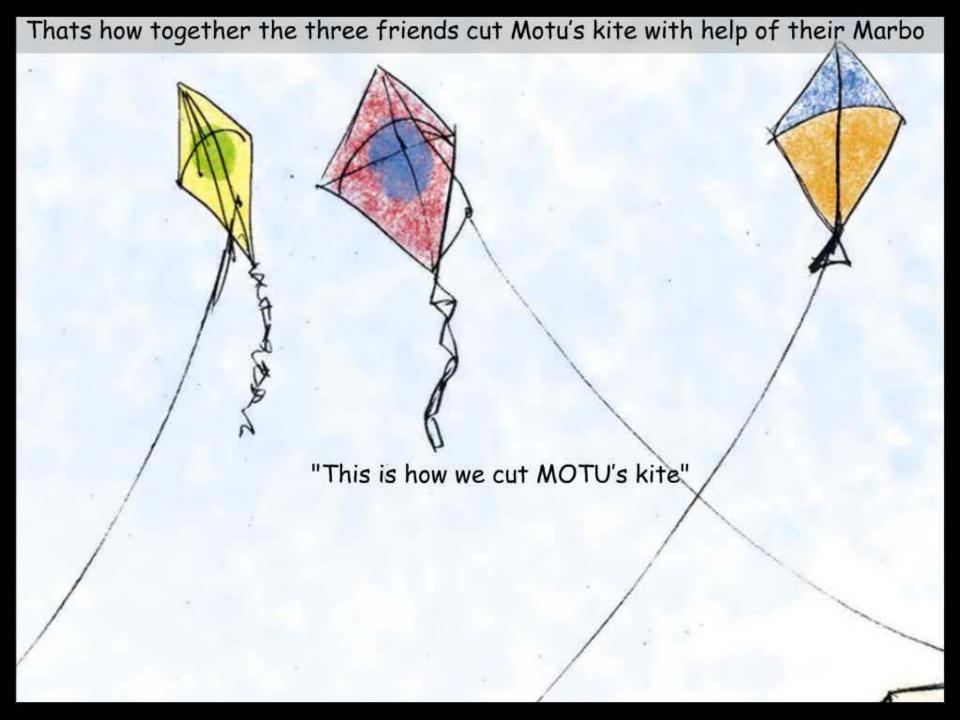
"Oh Ved and Pintoo need help in cutting Motu's kite... No problem, lets together scribble a plan on on our Marbo"





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









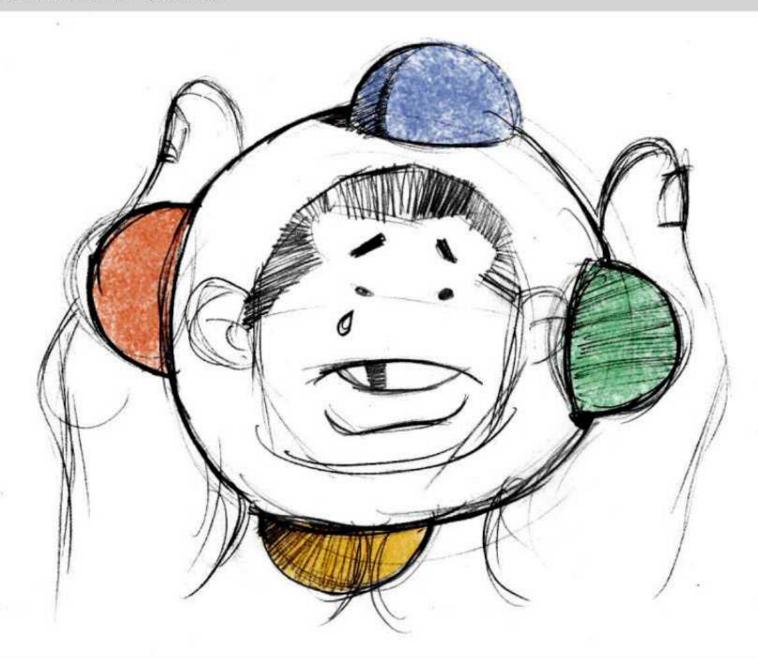
All friends have a look at Motu's photo in Pintoo's Marbo..

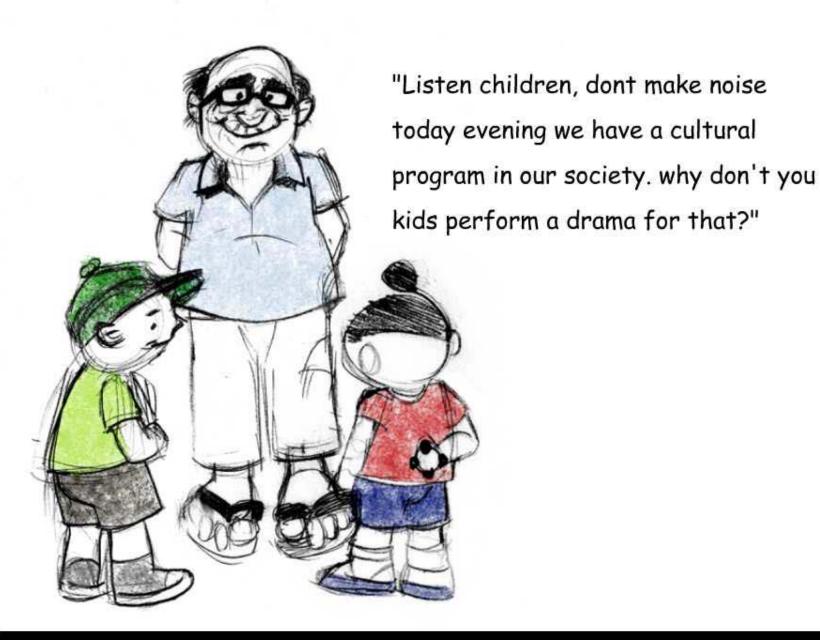
"Lets look at Motu's photo in my Marbo"



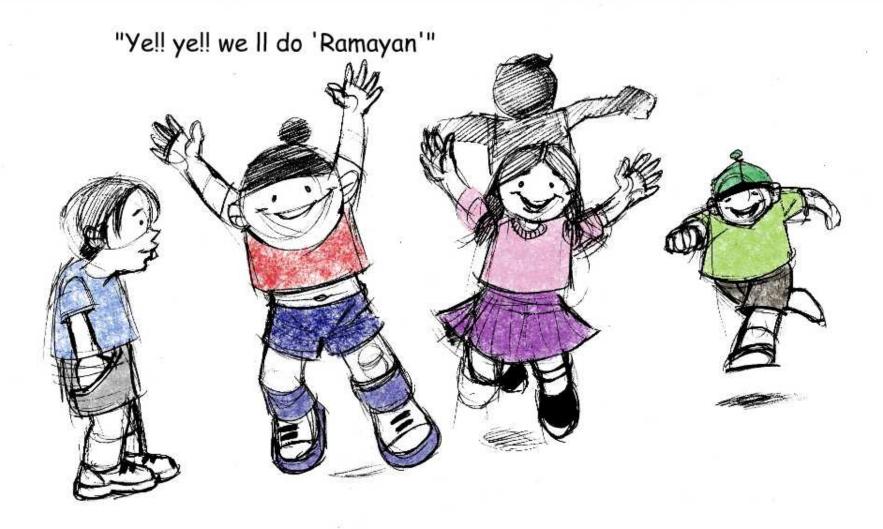


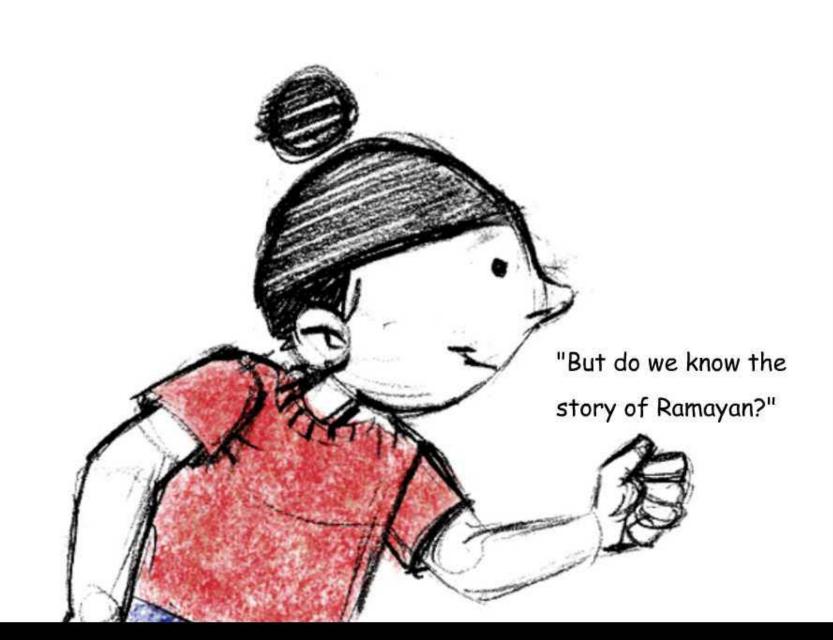
"Look guys i have the picture of Motu in my Marbo"





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



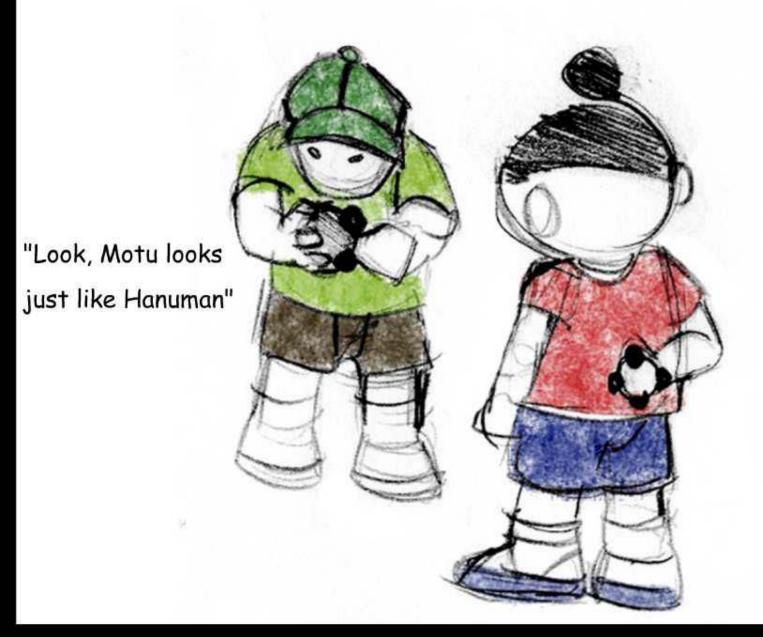
Hanuman is an important character in the story of 'Ramayan'. His face is like that of a monkey

"But who will become Hanuman?"

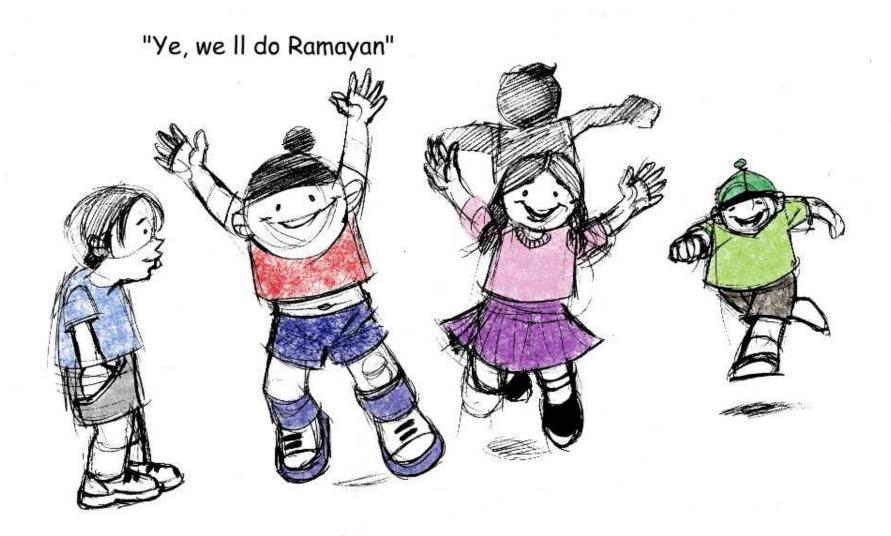


Pintu modifies Motus face to Hanuman in his Marbo with the pen tool...

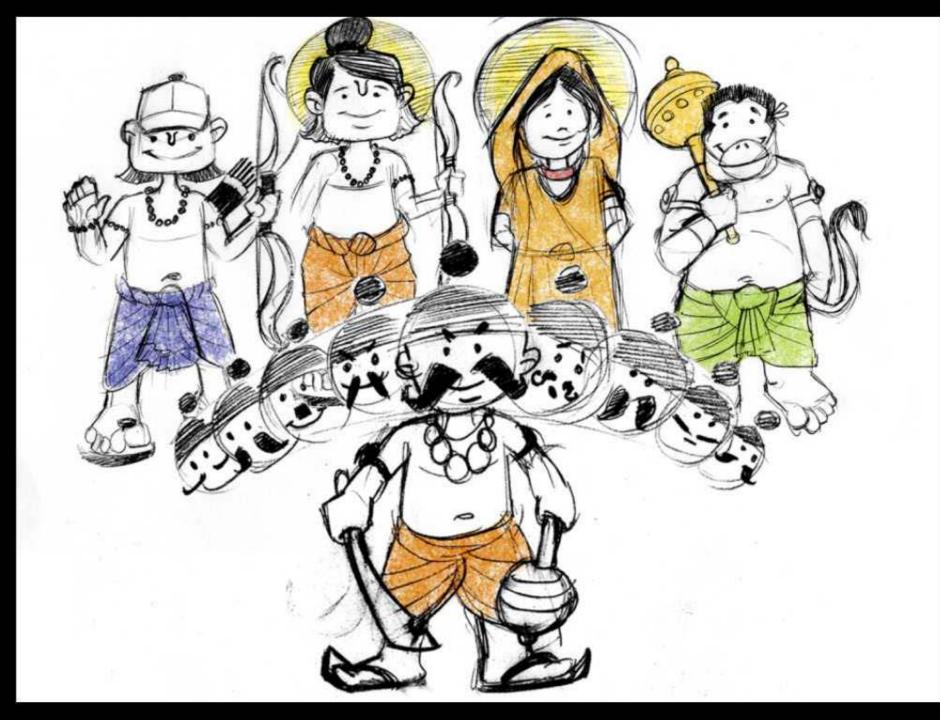


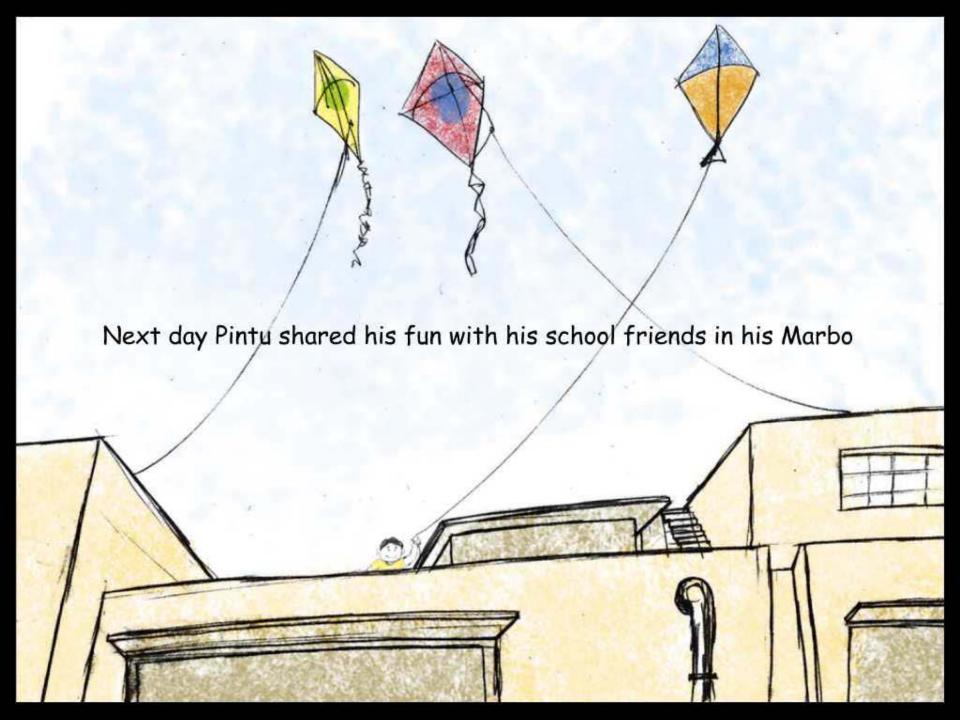




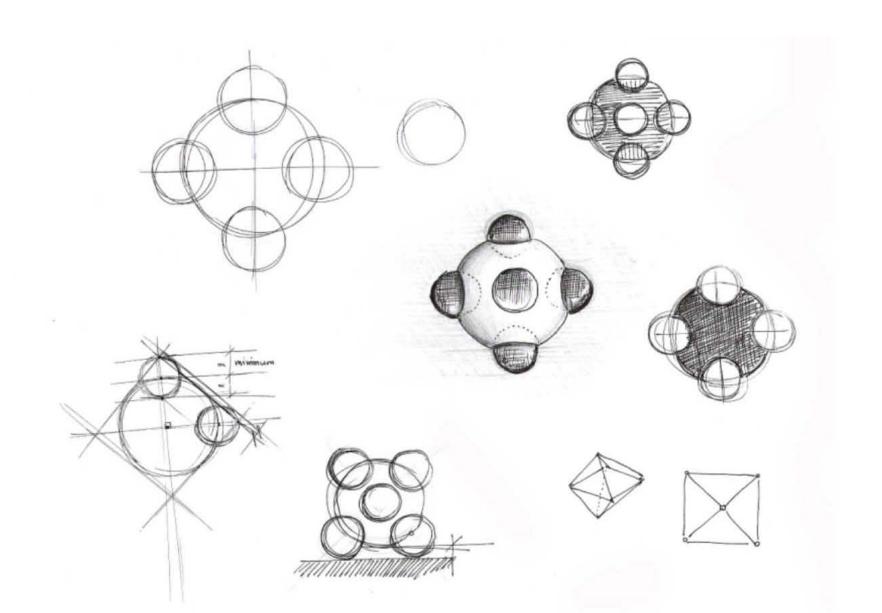


......& they all performed skit of 'RAMAYAN' that day in society cultural program

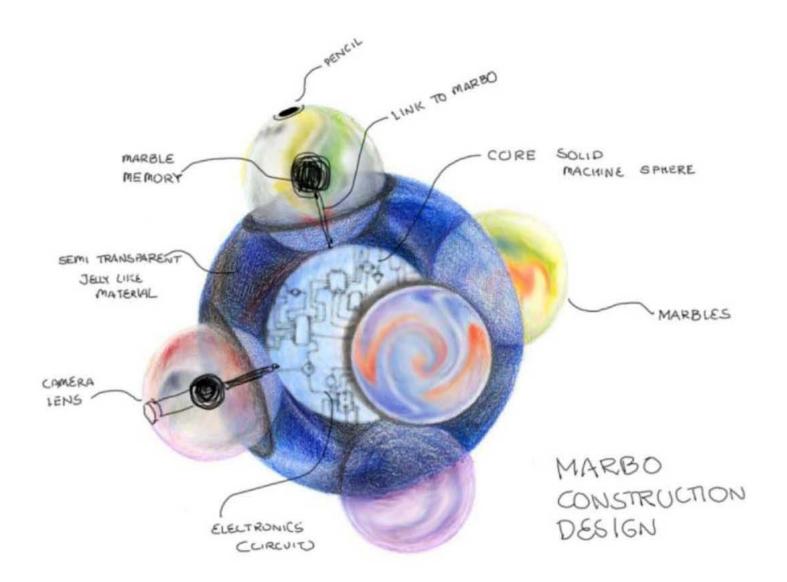




Initial Sketches



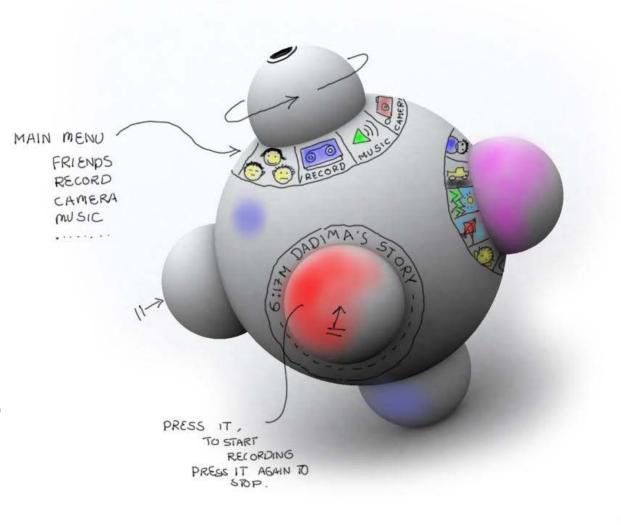
Inside Marbo



Interaction with Marbo

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

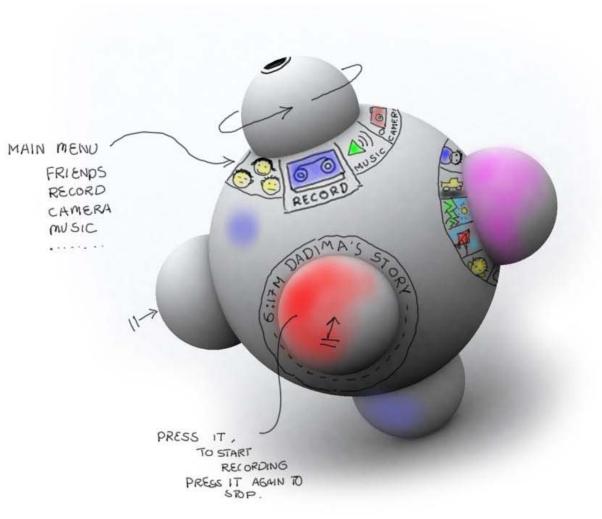
Each marble on the sides can be detachable and sharable to others. These marbles can contain stories, music, pictures,...

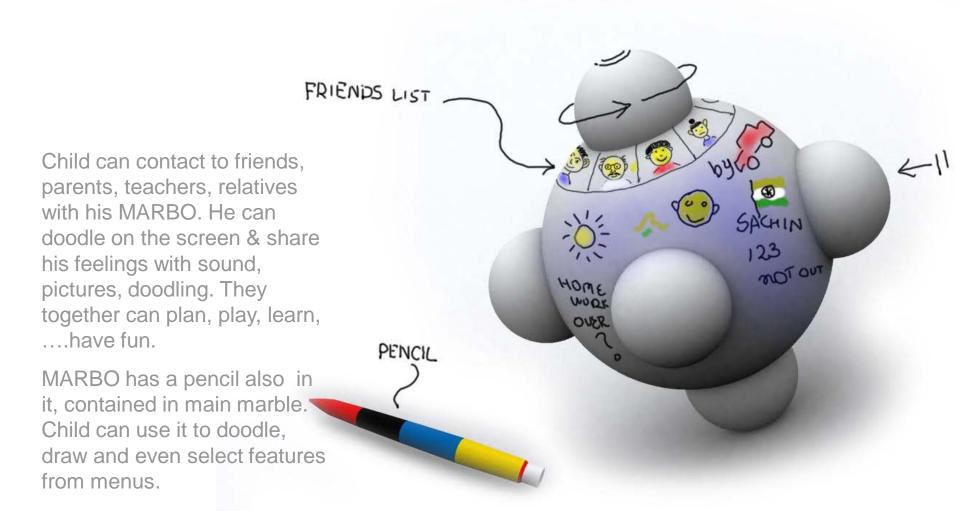


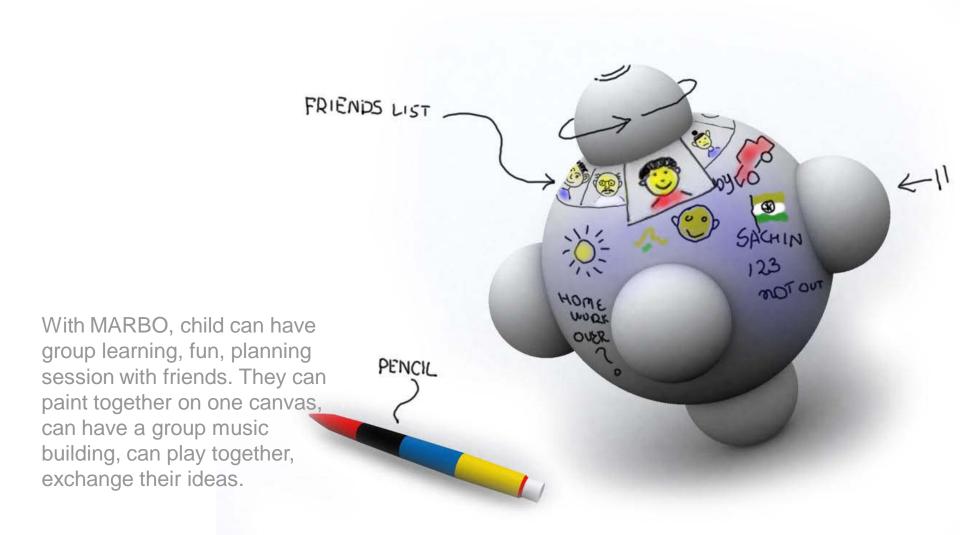
MARBO has one main marble. The main marble represents the child. Main features of MARBO are around it, like Friends, Record, Music, Camera, Drawing

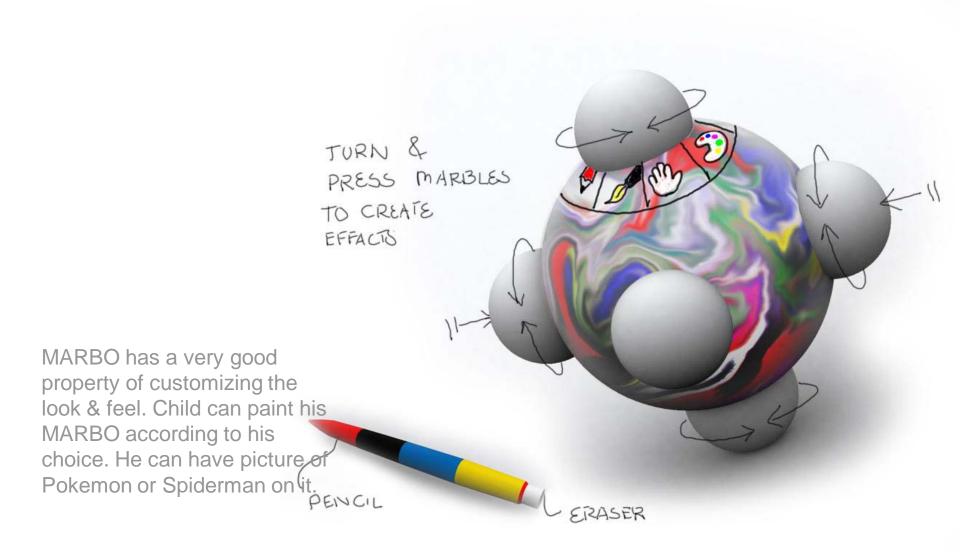
Children can select the feature by turning the main marble & pressing it, whatever they want to select.

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





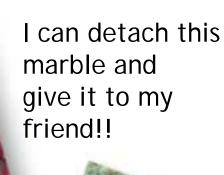


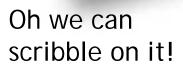




Feedback

Feedback from children







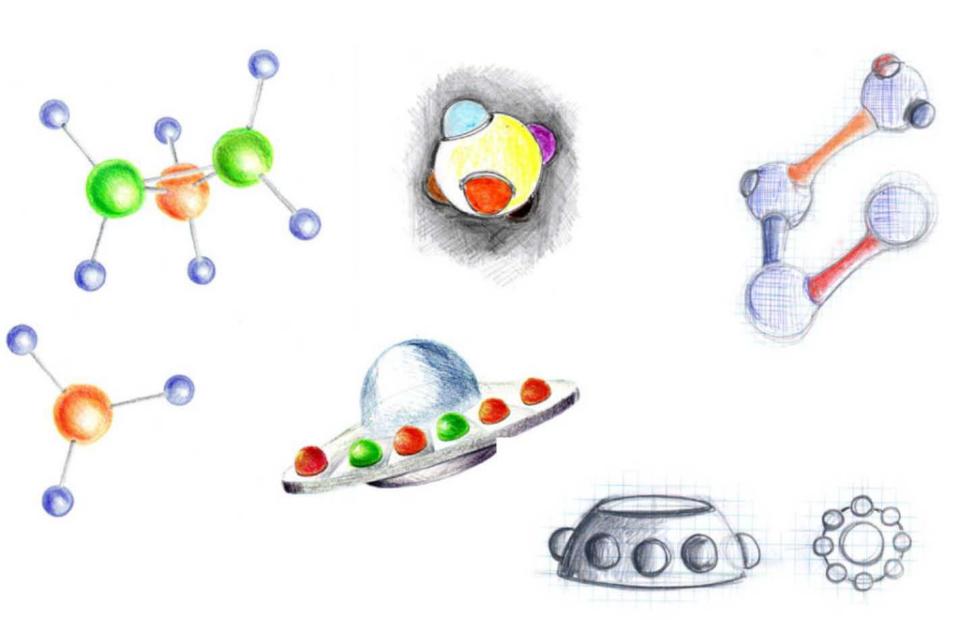
Can I change the way it looks?



We want it!!



Marbo Variations



Extended Scope for Marbo

- . Education
- . Construction
- . Parent child relationship
- . Teacher child relations
- . School and MARBO
- . Learning

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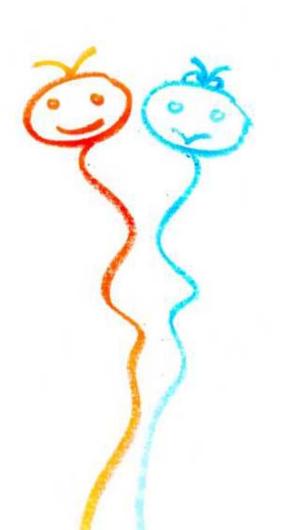
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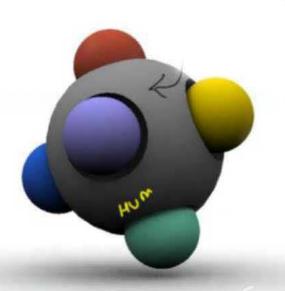
To all the kids



Thanks







Amisha Muthukumar Pranav