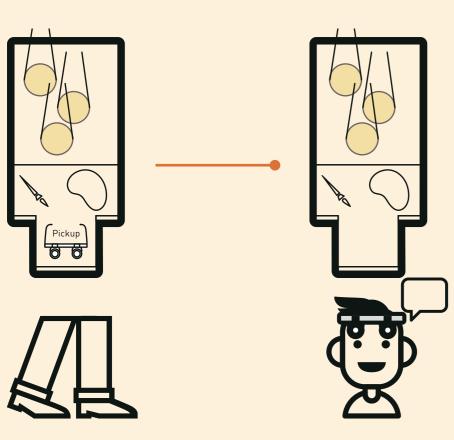
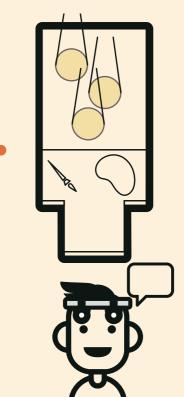


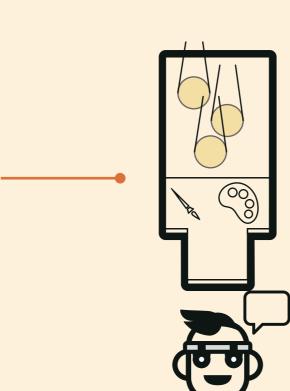
Scenario



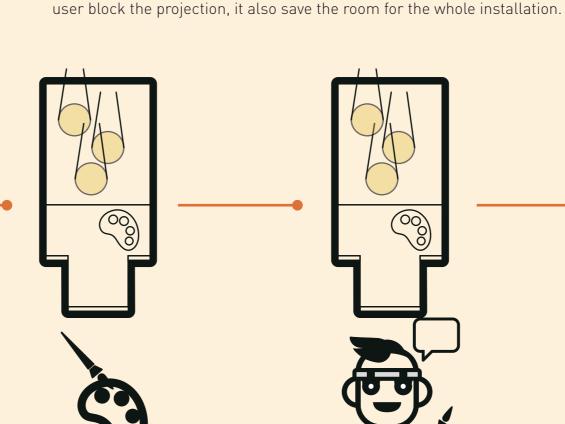
1. A visitor is attracted by the setting and the flaking effec, then he sees the indication saying that he needs to pick up the glasses (earphone) first.



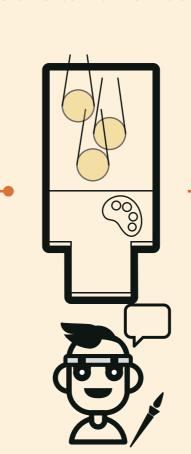
2. The visitor gets a request from the painter through earphone, asking him to do a favor to restore the painting (replica).



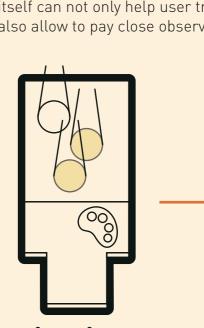
3. The visitor gets a brief introduction what he needs to do by the painter, at the same time the colors on the palette light up.



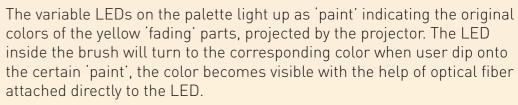
4. The visitor picks up a color by using the brush after making connection between the provided colors and the light spots on the replica.



5. The visitor hears the story of the painter's life event that relates to his selection, visitor has to guess which part the color belongs to



6. The visitor can brush on the painting trying to imitate the painter's technique



hole

translusent

variable

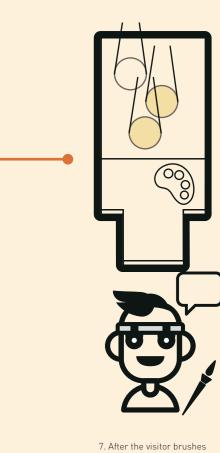
LED

bone conduction

magnifying glasses

earphones

A pair of bone conduction earphones is integrated to the magnifying glasses, creating an immersive way of storytelling. User put on the earphone unexpectedly while wearing the glasses. The magnifying glasses itself can not only help user transform into the role of art restorer, but also allow to pay close observation when audio is going on.



on the right spot, the rest technique is told to him, and the visitor will recieve praise to let him continue the experience.

Comparison to the former design





Smart Frame1.1

Art amature and hobbists	Everyone
Context	
Beside the real painting or in the exclusive	Art museum
exhibition area in art museum	
Intended effect	
Engage target group in multisensory	Provide information about

Engage target group in multisensory storytelling so that they can feel delightful and have holistic understanding of painting content, technique and painter

Similar to art restorer working platform: Easel with magnifying glasses, palette and Need projector mounted on the ceiling

Brush on the painting to mimic brush stroke Pick color to choose part of the story Allow to pay close observation by using magnifying glasses;

Actively involved in selecting and unlocking From painter's first person perspective

Similar to lecture desk Need dark tent

Touch 3D replica to feel brush strokes; Press button to activate audio

technique and painting content

Once for whole story Passive listening From third person perspective









Jianyu Shao

The Smart Frame 2.0: An redesign for the exposition setup for 3D-printed replica 18/12/2017

MSc Design for Interaction

Committee

Prof. Dr. S.C. Pont (Chair) Ir. T.T.W. Essers (Mentor)

