

## Magic Cup

### **Project Team Members**

1. Aw Xin-Wei
2. Leow Su Jun
3. Lim Zhen Qin

### **The Effect: The Invisible Cup**

When there is no motion involving the cup, we use a clean plate of the background to remove the unwanted portion of the cup. We will then have to do cleaning to the remaining portion to remove reflections.

When there is motion, eg pouring coffee into cup and human interacting with cup, we will take the footages in front of a blue screen, and composite the foreground onto the background. Similarly, we will use the clean plate to remove unwanted portions of the cup and clean off reflections.

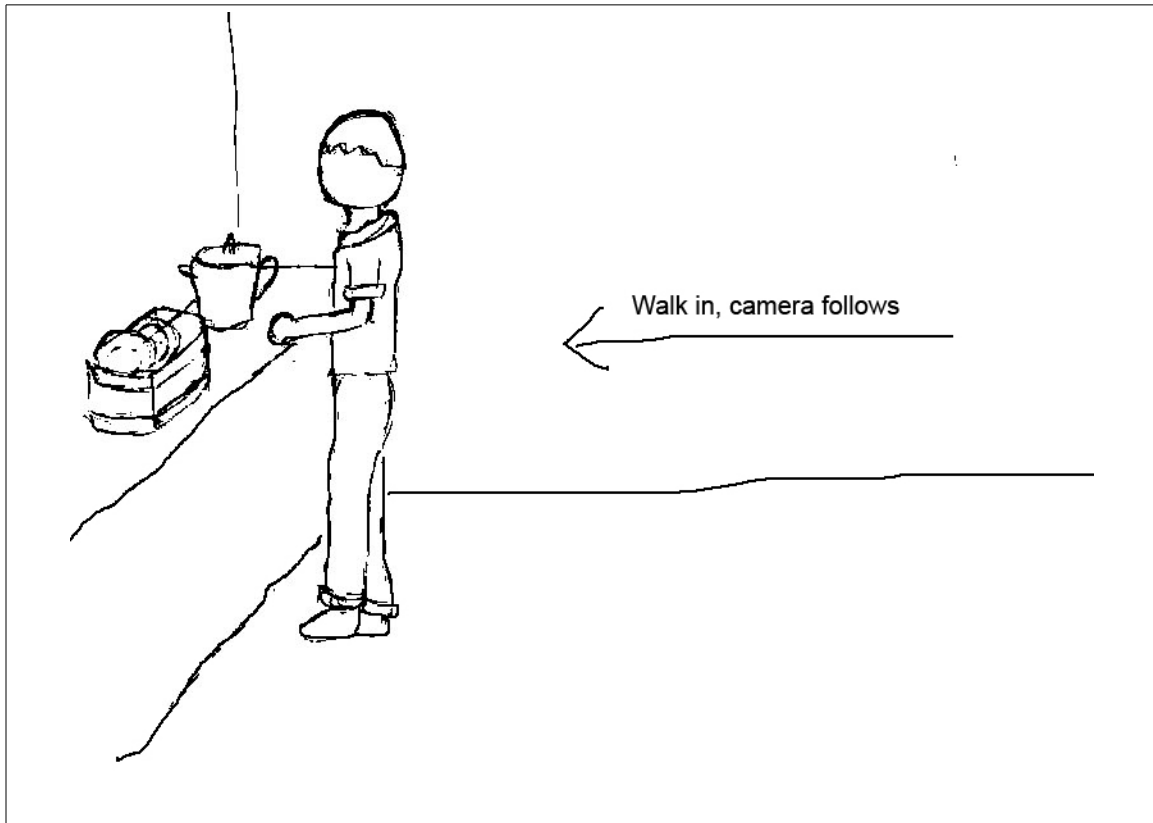
To clean off reflections, we intend to build a cross section model of the coffee intensity. We will then replace the reflections with the calculated coffee intensity. We will need to further investigate the properties of coffee from our trial video footages to build a good model of the coffee intensity.

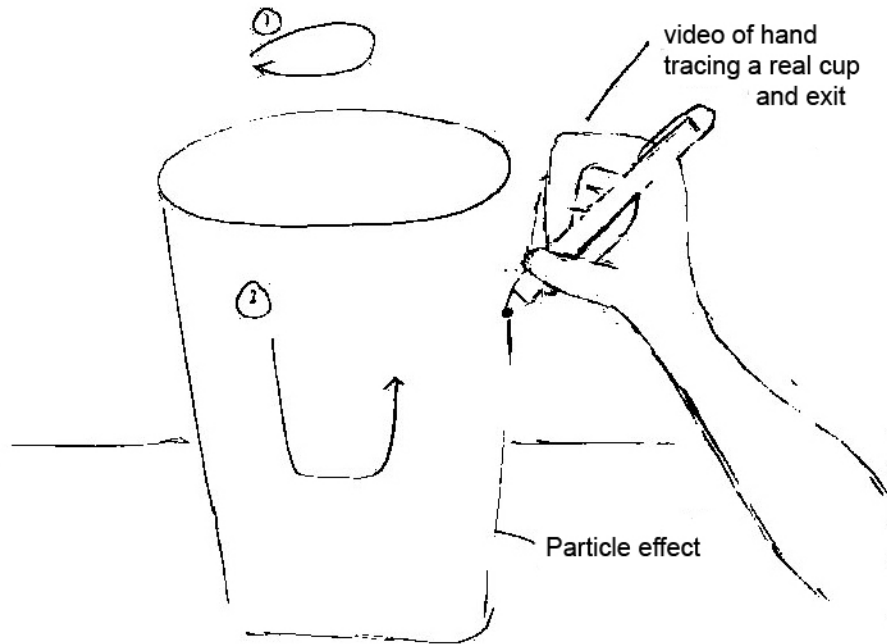
### **The Story**

The main character goes to the pantry/kitchen to fetch a drink, but he is unable to find a cup. So, he takes out his magic pen to draw an invisible cup.

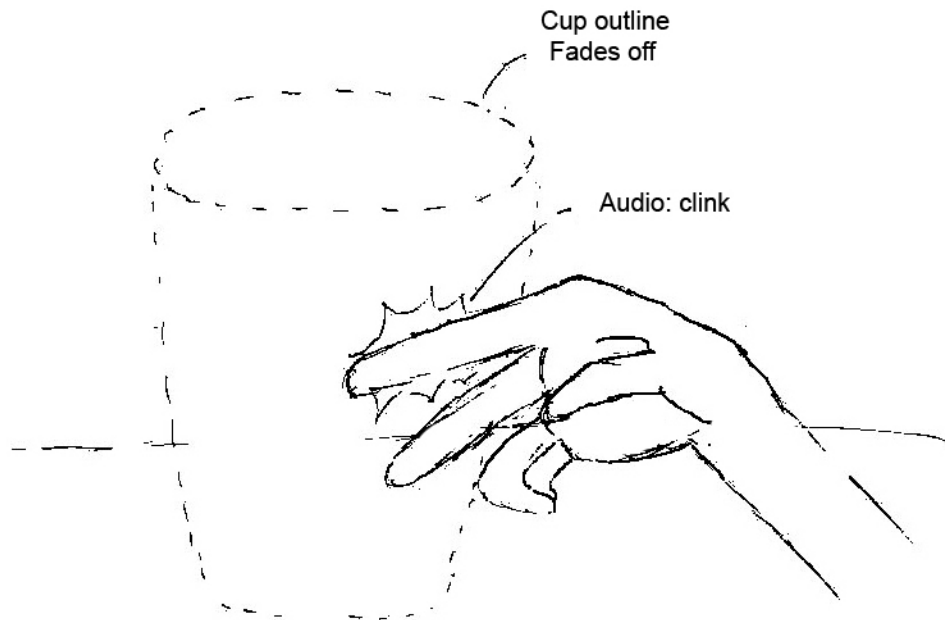
With his invisible cup, the main character pours his coffee to drink. After his drink, he takes out his magic pen again to erase off the invisible cup.

# Storyboard



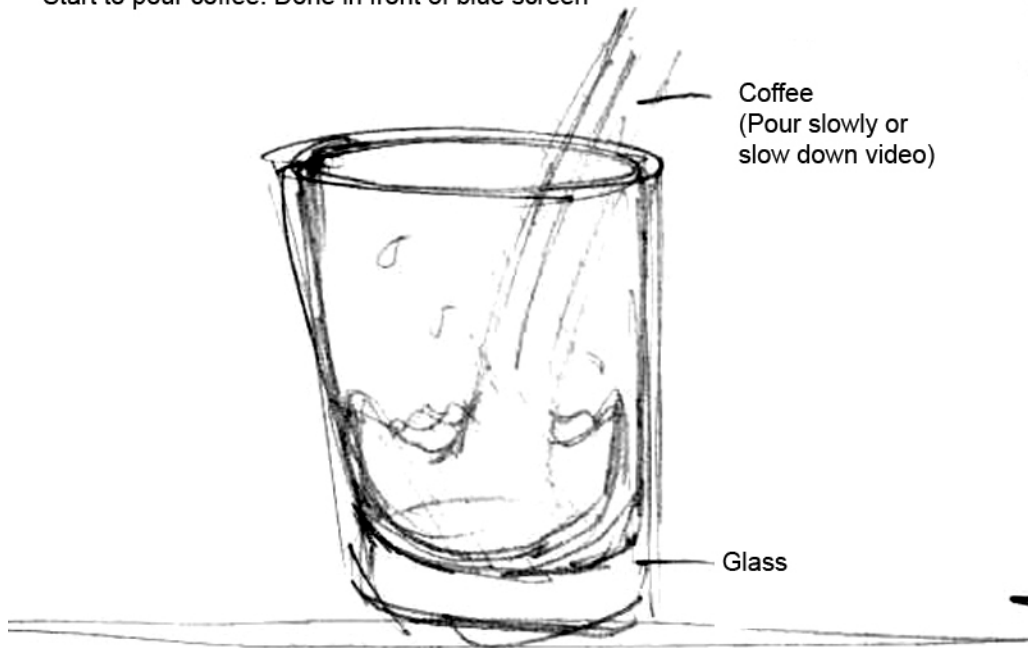


Require clean plate of background  
Crop out cup area and replace with clean plate

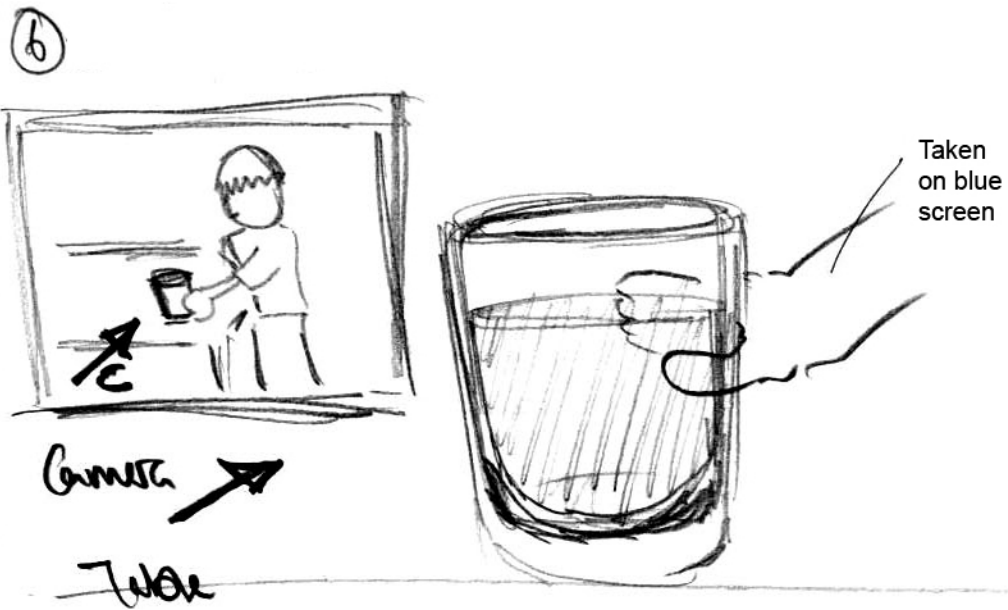


After cup fades off, finger taps cup  
Audio: give 'clink' sound to cue there is a cup

Start to pour coffee. Done in front of blue screen



Get clean plate of background

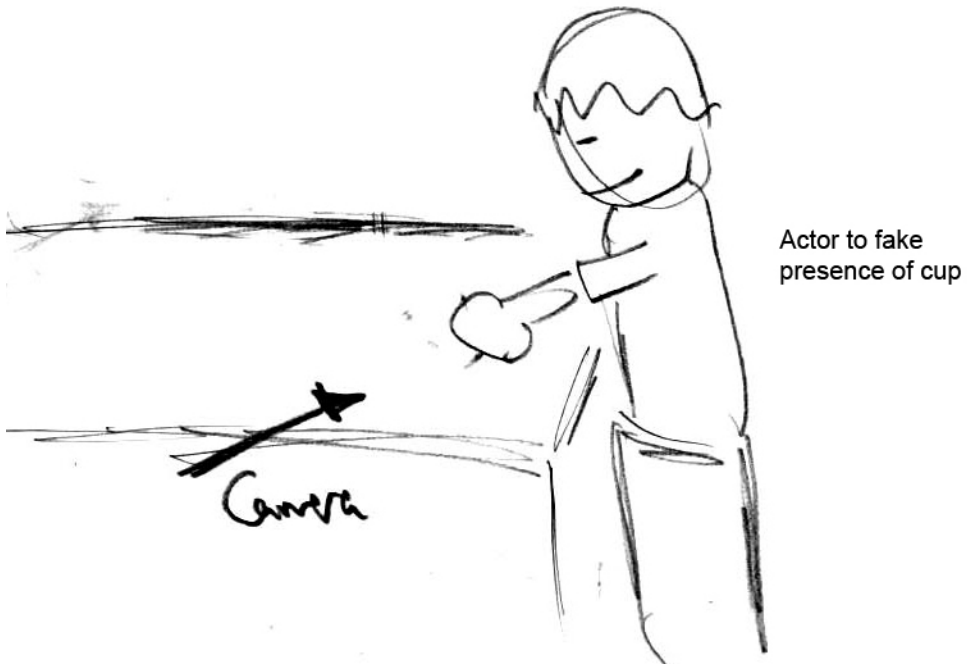


Camera position so that cup against blue screen  
Require clean plate of background

Side View  
Require clean plate



Taken on blue screen



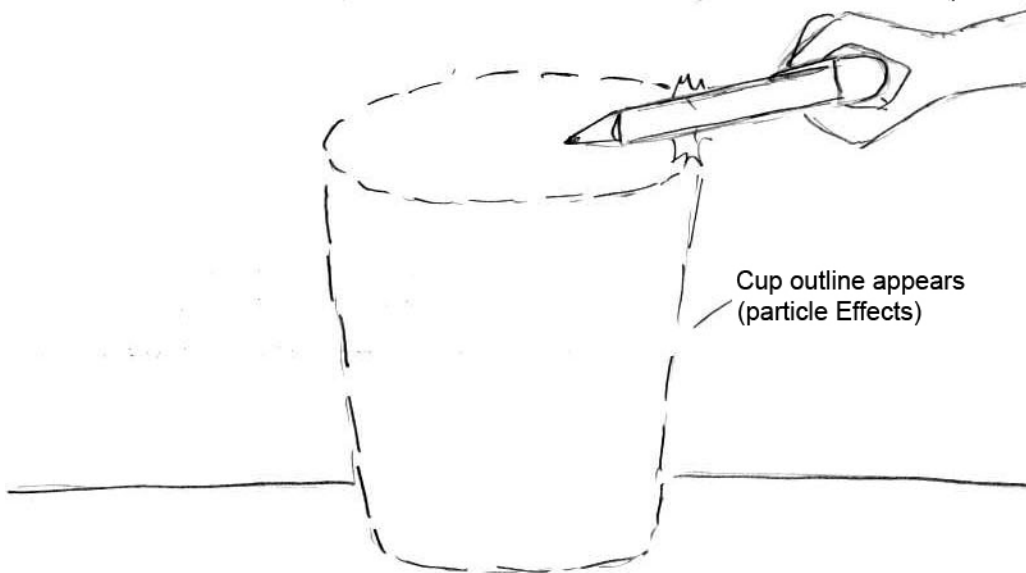
Actor to fake presence of cup

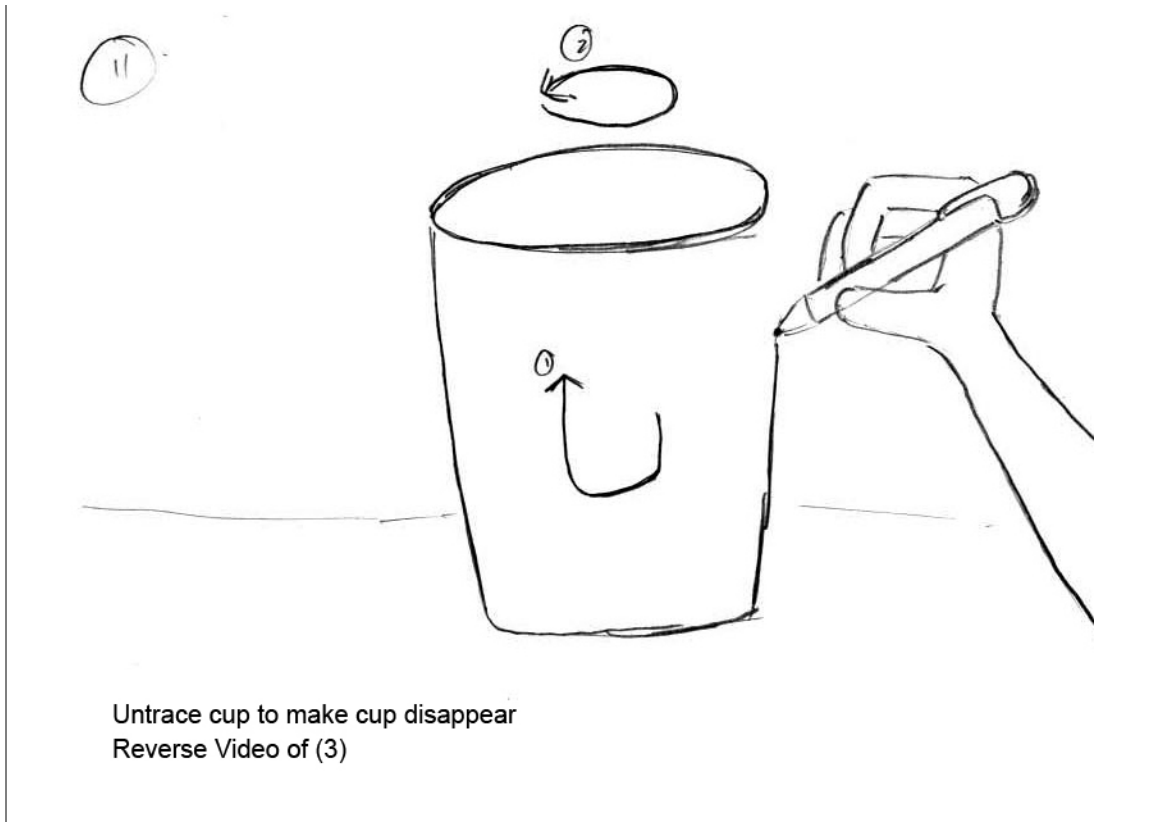
Camera

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## **Role of Team Members**

### Raw Video

Director: Aw Xin-Wei

Filming/ Artist: Leow Su Jun

Actor: Lim Zhen Qin

### Special Effects Video

Video editing, compositing, effects: everyone

## Schedule

4 Feb – 10 Feb	Proposal + storyboard
11 Feb – 17 Feb	Trial Video – to test out feasibility of effect
18 Feb – 24 Feb	Chinese New Year
25 Feb – 3 Mar	Actual Filming
4 Mar – 10 Mar	Video Editing Project Progress Report
11 Mar – 17 Mar	Compositing
18 Mar – 24 Mar	Adding special effects
25 Mar – 31 Mar	Audio Editing Creating “Making Of Video” Project Progress Report
1 Apr – 7 Apr	Quality Control
8 Apr – 14 Apr	Project Due