



CS4340 Digital Special Effects

Project Proposal

For Dr. Terence Sim

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FRUITY COMMUNICATIONS

Wu Shu Jun, Low Xu Yan Jessica, Chen Fan, Gao Zhiyu

Project Proposal

Title

Fruity Communications

Team Members

Wu Shu Jun	U077142B
Low Xu Yan Jessica	U087088E
Chen Fan	U077399J
Gao Zhiyu	U077401Y

The Effect

The transformation of the latest smart phones into advanced fighting robots.

The verbal debate between a Blackberry and an iPhone is not new. However, this time round, we are bringing this debate a step further by having these smart phones to transform into fully equipped fighting robots. They will be engaged in a fierce battle with each other, just to find out who is the better smart phone.

Other special effects include the destruction of the real-life environment, caused by the battle between the two smart phones.

The Story

The story starts off with two boys being in a heated verbal argument on who has the better smart phone.

In the middle of the argument, the boys left their belongings unattended on a table due to nature calls. As it was in the middle of the night, the area was deserted after the boys left for the washroom.

At this point, the smart phones began to behave erratically. There was a slight vibration coming from both phones and suddenly, the smart phones transformed into two menacing robots, looking ready to battle their arch nemesis.

Who will win the battle to be the best smart phone? Watch more to find out!

Production Ideas

What visual elements are needed to achieve the effect?

In order to achieve the effect, we would need to model the smart phones, so as to create the transformations.

As there would be a fighting scene between the robots, we would need to animate the robots, as well as to choreograph the fight and simulate the destruction of the real-life environment.

How to create the visual elements?

We would be using software such as 3DS Max and Maya to create and animate the smart phones.

How to put the visual elements together to achieve the effect?

To achieve a visually realistic model, we will be texturing and applying the appropriate colors to the 3D models to make it look like the object in real-life. Shadows will be crucial in obtaining this realistic effect.

We will be animating the characters based on key-frame animations and choreographing the fight scenes to blend it into the real-life environment.

Last but not least, we will be adding in some destruction effects to the real-life environment to show that there are interactions between the CG models and the real-life environment.

Roles of Team Members

Wu Shu Jun, U077142B

1. Creation of the Blackberry model and its robot
2. Animation of CG effects, eg: destruction of the real-life environment.
3. Integration of CG effects into the actual video
4. Storyboarding, scripting
5. Filming of real life footage of scene

Low Xu Yan Jessica, U087088E

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Chen Fan, U077399J

1. Creation of the iPhone model and its robot
2. Filming of the "The Making Of" video.
3. Video editing of the main video

Gao Zhiyu, U077401Y

1. Creation of the iPhone model and its robot
2. Filming of "The Making Of" Video
3. Sourcing and integrating sound effects for the video (sound editing)
4. Video editing of "The Making Of" Video

Production Schedule

Pre-production Plan (Week 5 to Recess Week)

1. Exploration of Maya and 3DS Max software
2. Creation of the smart phones, the necessary animation and transformation of the smart phones
3. To make reservations of the video equipment
4. To liaise with the actors to arrange for a day for filming
5. Film footages of how the creation and animation of the models are done

Production Plan (Recess Week – Week 7)

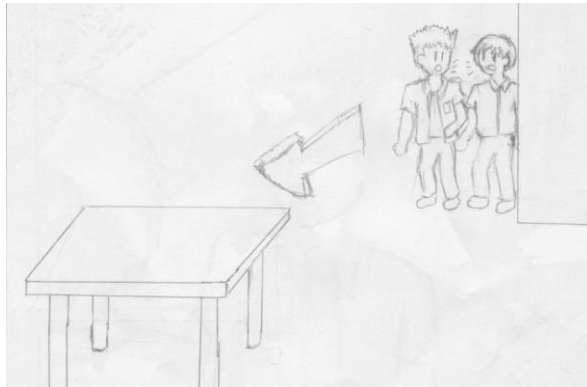
1. Secure the area for filming. The filming location will most likely be outside SR1, and the filming time will be around midnight to avoid crowds and unwanted noise
2. Filming of the actual video
3. Filming of "The Making Of" video

Post-production Plan (Week 8 – Week 12)

1. Video-editing of the actual video
2. Video-editing of "The Making Of" video
3. Integrating the models and CG effects with the video

Storyboard

Scene 1



Scene Description

Boy A and Boy B enters the scene from the back and walks towards the table in front. Both of them seemed to be in a discussion but their voices cannot be heard at this point.

Camera

Medium wide shot. The camera pans to follow the direction of which the actors are heading towards.

Scene 2



Scene Description

Both boys' voices can be heard and they are in an argument on whose smart phone is better. Boy A is speaking at this point.

Camera

Over-the-shoulder of Boy B, medium close up shot.

Scene 3



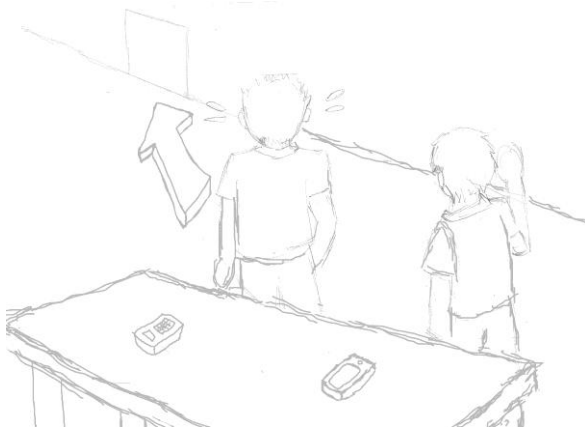
Scene Description

Boy B argues about his point of view on how his smart phone is better than Boy A.

Camera

Over-the-shoulder of Boy A, medium close up shot.

Scene 4



Scene Description

Boy B decides to head to the washroom and Boy A followed after him, continuing with the argument. Both boys left their belongings on the table and left for the toilet.

Camera

Medium shot. Camera angled slightly so as to create a 3D perspective.

Scene 5



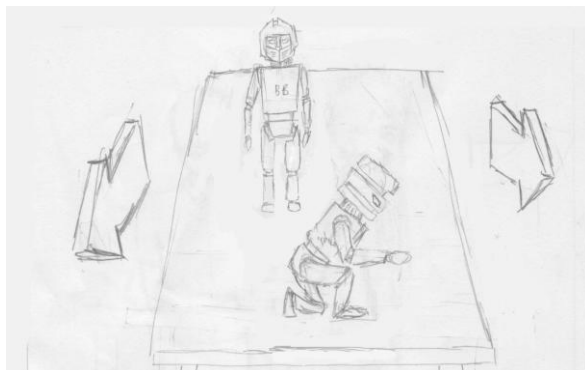
Scene Description

Smart phones start to vibrate slightly

Camera

Camera zooms in from a medium shot into a close up shot of the iPhone with the Blackberry in the background. Camera will be angled from high to low, to create perspective.

Scene 6



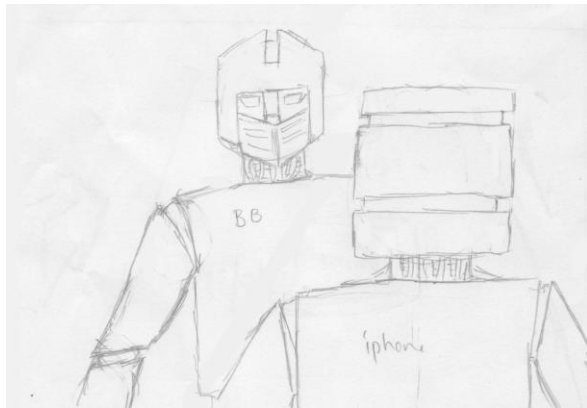
Scene Description

Both smart phones transform into robots

Camera

Camera zooms out to medium close up shot. During the zoom, it captures the entire transformation process of the robots.

Scene 7



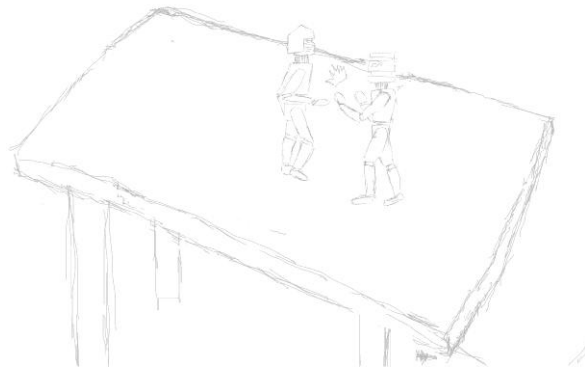
Scene Description

Both robots getting ready for battle.

Camera

Close up and over-the-shoulder shot of the iPhone robot. Camera dollies slowly to the left and upwards to achieve a high angle shot.

Scene 8



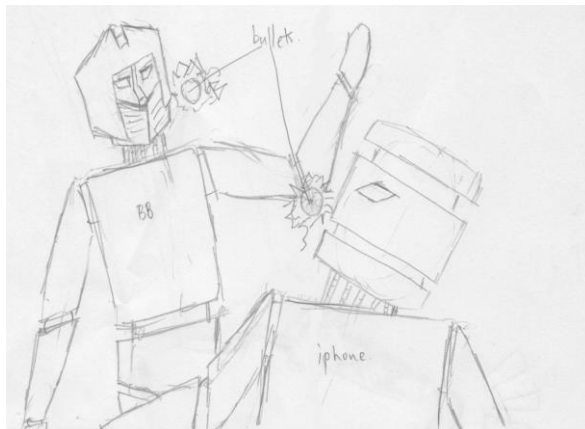
Scene Description

The battle between the two robots begins. Destruction of the real-life environment could be seen during the fight.

Camera

Medium shot. Camera is situated at a high angle, looking down to give a clear perception of the fight.

Scene 9



Scene Description

Halfway through the fight, the two robots fire a shot at each other in the same time. They both attempt to dodge each other's attacks. Slow motion effect of the battle as the laser bullets shot by both robots slows down dramatically and the robots are seen avoiding the bullets in matrix style

Camera

Close up and over-the-shoulder shot of the iPhone robot

Scene 10



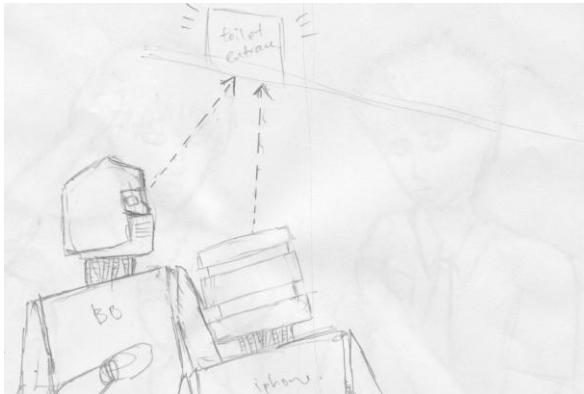
Scene Description

After the matrix style dodge, the fight resumes (back to original speed). In the midst of battle, the voices of the boys could be heard as they start to exit from the toilet.

Camera

Split screen. One screen continues from the previous scene. In addition, a new screen shows the close up of one of the boy's feet in introduced.

Scene 11



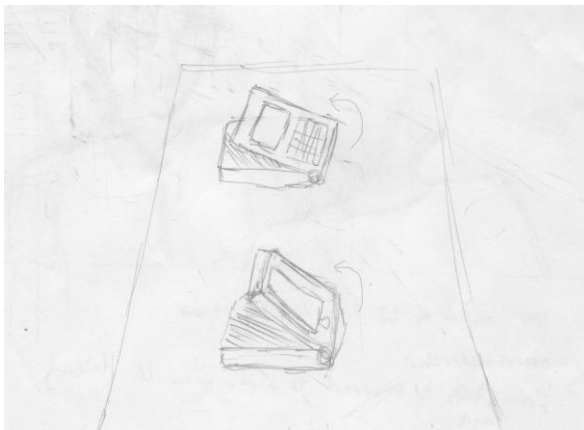
Scene Description

The robots turn towards the direction of the voices and panics.

Camera

Medium close up shot. At an angle such that the toilet entrance could be seen

Scene 12



Scene Description

Both smart phones transform back into their original form before the boys can catch them in their robot forms.

Camera

Close up shot, at an angle above the table

Scene 13



Scene Description

Both boys returned to the table and reached out for their phones. Both of them looked confused, as their phones are a little black (from the fight).

Camera

Medium close up shot of the boys. At an angle such that the scene does not look flat