CS5245 Project Proposal

1 Tentative Title
The IBM Transpad

2 The Effects
The video clip will be like a commercial advertisement for the IBM ThinkPad. It will portray a scenario where the laptop would protect itself from would-be theft. The laptop would transform into a robot and prevent the thief from stealing it. The effect would involve a photorealistic rendered laptop interacting with the real-life environment around it.

3 Input Sequences
1. A "clean" and empty video sequence of the environment with only inanimate objects in the scene.
2. A video sequence of the thief and the real laptop (or Green box for compositing.).
3. Computer animated sequence of the laptop with its transformation and interaction.

4 Tools
Software
- 3DS Max or Maya
- Adobe After Effects
- Adobe Premiere
- Photoshop

Props
- Green Cloth for green screen (if needed)
- Green Box with same dimensions as laptop
- Real Laptop

Equipment
- Video Camera

5 Storyboard

1 Scene Description: A laptop lies on the table, the owner falls into sleep. This scene is an introduction to the environment and lasts about 4 secs. The scene is taken from a close up position near laptop, then the camera zooms out to left top of the room.
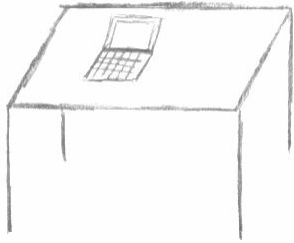
2 A guy sneaks in and sees the laptop. Since the owner is sleeping, he tries to steal the laptop. The scene will be 10 seconds, camera position remains


3 The laptop struggles to get out of the thief's hand, and make it to electrify the thief. The laptop returns to the top of desk and transforms into a cowboy robot. Lasts 10 seconds, close camera shoot of the robot.

4 The robot makes several bold gestures and use its power cable to electrify the thief to unconscious. Scene lasts about 4 seconds with same camera angle

5 After the thief is down, the laptop transform back to normal. The owner finally wake up, walked away from the tutorial room totally has no idea about what happened just now. Scene lasts 15 seconds, camera shooting from close position zooms out to far end of the room. (same as the position at the end of scene 1)
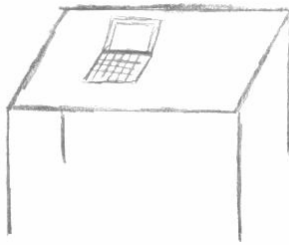
6 Who will do what
Wang YaPeng
- 3D modeling lighting and texture
- Video compositing

Barry Lim
- Video Shooting
- Editing
- Character Animation

Li LinLin
- Video Shooting
- Video compositing

7 Timeline

5th Week: Submission of proposal and refinement of project.

6th Week: Finalization of project and preparation for video.

Term Break: Shooting of video sequences.

7th Week: Modeling and animation of 3D models

8th Week: Progress report and completion of 3D animation sequence.

9th Week: Compositing of video sequences and Rough cut.

10th Week: Re-shooting of video (if necessary).

11th Week: Completion of SFX sequence.

12th Week: Making-of video

13th Week: Presentation and submission of SFX sequence.