Consent Form

I have read and/or I understand the contents of the information sheet and understand that I have been invited to participate, that my agreeing is fully voluntary, and that I can withdraw at any time.

Name (Will be blacked out):	Signed: Date:__/__/2010
Witness: João Lourenço	Signed: Date:__/__/2010

Wii3D User Study – Instruction Sheet

Welcome to the Wii3D user study! Thank you very much for your cooperation in my research.

Task 1 – Moving the Pointers

Mouse and Keyboard

1. There is a single target on the screen. Move one of the pointers over the target with the mouse.
2. There are two targets on the screen. Move one of the pointers over a target with the mouse, and the other pointer over the other target with the keyboard (WASD).
3. There are four targets on the screen. Move a pointer over each of these targets (mouse, WASD, TFGH IJKL).

Wii3D System

4. There is a single target on the screen. Move one of the pointers over this target.
5. There are two targets on the screen. Move a pointer over each of these targets.
6. There are four targets on the screen. Move a pointer over each of these targets.

Please fill out the section entitled “Task 1 – Moving the Pointers” in the questionnaire.

Task 2 – Clicking

Mouse and Keyboard

1. There is a single target on the screen. Click on it with the mouse.
2. There are two targets on the screen. Click on one of them with the mouse, and select the other by moving the other pointer with the keyboard and hitting enter. Hitting ‘enter’ and the mouse click should be at the same time.

Wii3D System

3. There is a single target on the screen. Click on it (move forward then backward).
4. There are two targets on the screen. Click on them at the same time.

Please fill out the section entitled “Task 2 – Clicking” in the questionnaire.

Task 3 – Panning/Scrolling

Mouse and Keyboard

1. Scroll right using the scroll-bar provided.
2. Scroll left using the scroll-bar provided.

Wii3D System

3. Move two fingers, together in similar directions, to scroll right.
4. Move two fingers, together in similar directions, to scroll left.

Please fill out the section entitled “Task 3 – Panning/Scrolling” in the questionnaire.

Task 4 – Zooming

Mouse and Keyboard

1. There is an image on the screen. Zoom in using the mouse's scroll.
2. Zoom out.

Wii3D System

3. There is an image on the screen. Zoom in (move fingers away from each other in opposite directions parallel to the screen).
4. Zoom out (move fingers towards each other).

Please fill out the section entitled "Task 4 – Zooming" in the questionnaire.

Task 5 – Rotating

Mouse and Keyboard

1. Rotate the image 90 degrees clockwise (click and hold the rotation handle and move the mouse).
2. Rotate the image 90 degrees counter-clockwise.
3. Rotate the image 90 degrees, top coming to the front (hold down 'alt' and click and hold the rotation handle and move the mouse).
4. Rotate the image back to the original position.

Wii3D System

5. Rotate the image 90 degrees clockwise (rotate fingers about a pivot).
6. Rotate the image 90 degrees counter-clockwise.
7. Rotate the image 90 degrees, top coming to the front.
8. Rotate the image back to the original position.

Please fill out the section entitled "Task 5 - Rotating" in the questionnaire.

Task 6 – Complex Gesture and 3D Interaction

1. Use one finger to draw a circle that is parallel to the screen's plane.
2. Use one finger to draw a circle that is perpendicular to the screen's plane.

Please fill out the section entitled "Task 6 – Complex Gesture and 3D Interaction" in the questionnaire.

Task 7 – Overview

Please take 5 minutes to think about whether you would use this system and fill out the section entitled "Task 7 – Overview" in the questionnaire.

Questionnaire

- Please place an 'x' in the box that you choose.
- Please only give one option per question
- Please rate your answers from 1 (very unintuitive) to 5 (very intuitive)

Introductory Questions

How often do you use a mouse and keyboard?

How long have you been using a mouse and keyboard for?

Task 1 – Moving the Pointers

	Question	1	2	3	4	5
1.1	How did you find moving the single pointer with the mouse?					
1.2	How did you find moving the two pointers with the mouse and keyboard?					
1.3	How did you find moving the four pointers with the mouse and keyboard?					
1.4	How did you find moving the single pointer with the Wii3D System?					
1.5	How did you find moving the two pointers with the Wii3D System?					
1.6	How did you find moving the four pointers with the Wii3D System?					

Comments:

Task 2 – Clicking

	Question	1	2	3	4	5
1.1	How did you find clicking the target with the mouse?					
1.2	How did you find clicking the two targets with the mouse and keyboard?					
1.3	How did you find clicking the target with the Wii3D System?					
1.4	How did you find clicking the two targets with the Wii3D System?					

Comments:

Task 3 – Panning/Scrolling

	Question	1	2	3	4	5
1.1	How did you find panning and scrolling with the mouse?					
1.2	How did you find panning and scrolling using the Wii3D System?					

Comments:

Task 4 – Zooming

	Question	1	2	3	4	5
1.1	How did you find zooming in and out with the mouse?					
1.2	How did you find zooming in and out with the Wii3D System?					

Comments:

Task 5 – Rotating

	Question	1	2	3	4	5
1.1	How did you find rotating the image with the mouse in 2D?					
1.2	How did you find rotating the image with the mouse in 3D?					
1.3	How did you find rotating the image with the Wii3D System in 2D?					
1.4	How did you find rotating the image with the Wii3D System in 3D?					

Comments:

Task 6 – Complex Gesture and 3D Interaction

	Question	1	2	3	4	5
1.1	How did you find making the gestures?					

Comments:

Task 7 – Overview

Would you use the Wii3D System as an alternative to the mouse and keyboard? Why or why not?

If no, do you believe that the Wii3D System would be useful to someone else? Why?

Would you add/remove/change anything in the Wii3D System? Why?

You have undoubtedly had more experience using a mouse and keyboard than this type of system. What tasks would you find Wii3D more suitable for than a mouse and keyboard?

THE END

Thank you very much!