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Project A: Human-like Hand and Paper Plane

User's Guide

My goal for this project is to build a human-like hand which is able to make a fist and release as long as a paper plane flying around attached to a soft string.

Press H/ F1 on the keyboard or click the Help button blow the canvas will go to the help message.

The hand opens and closes at the same time its shape and color change automatically over time. You can use mouse drag to rotate the hand to any angle, and use ASDF buttons on the keyboard to move it around the canvas.

The paper plane rotates swings left and right at the same time it rotates with the string. You can double click to relocate the plane to any place to want to on the canvas.

You can use left and right arrow on keyboard or the Faster and Slower buttons blow canvas to accelerate or slow down the speed of movement. The current rotating speed shows a little above these buttons, the larger value is the faster the objects moves.

Results

Follows are the result screen shots of my work.



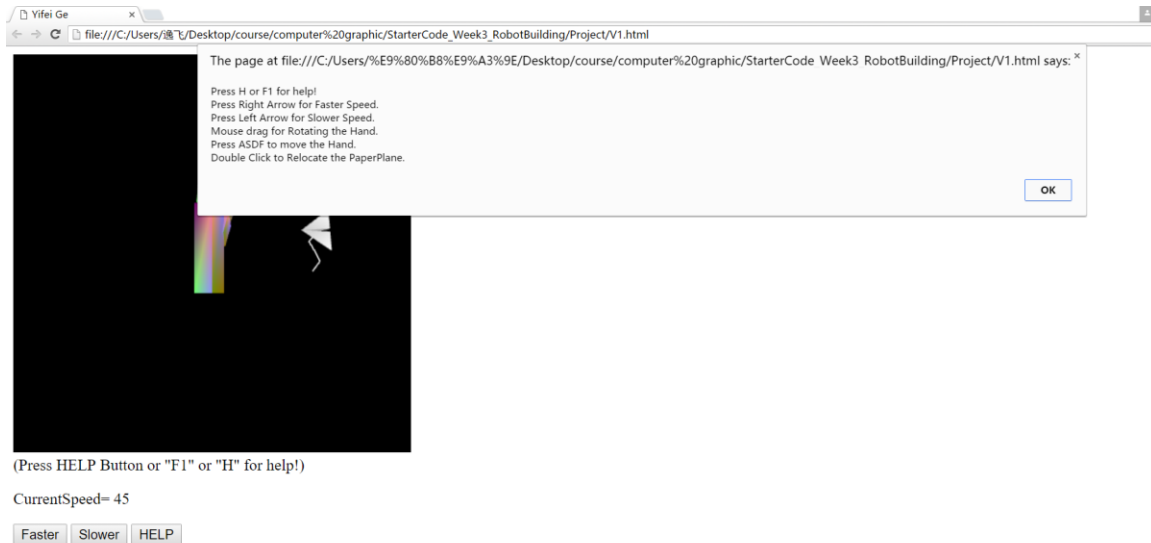
Basic situation, the hand just automatically makes the fist and release and change color and shrink and expand periodically. The paper plane keeps rotating with its string on the right top corner of the canvas.



I just moved the hand to the central of canvas and put the paper plane next to the hand. And you may find the hand shrinks a bit comparing to the first picture, its color also changed.



I rotated the hand to another angle, which makes the hand almost horizontal other than vertical, and accelerated the speed of the motions. Objects move in about two times faster than the normal situation.



This shows how the help message shows. P.S. due to the chrome's hot key setting, pressing F1 will also leads to the chrome help page. Because of the help message uses 'Alert' function, so when there is the help message, the canvas stays still.