

Camerateers

Taking Time-Lapse to the Web

Integrating User Centered Design, we built a Time-Lapse camera that is inexpensive, has wireless connectivity, and is not limited by physical storage.

Make Time-Lapse

1. SET

Configuration

Take a photo every: Mins Secs

Total Photo Session: Hours Mins Secs

Play the timelapse video at this rate: Frames Per Second (FPS)

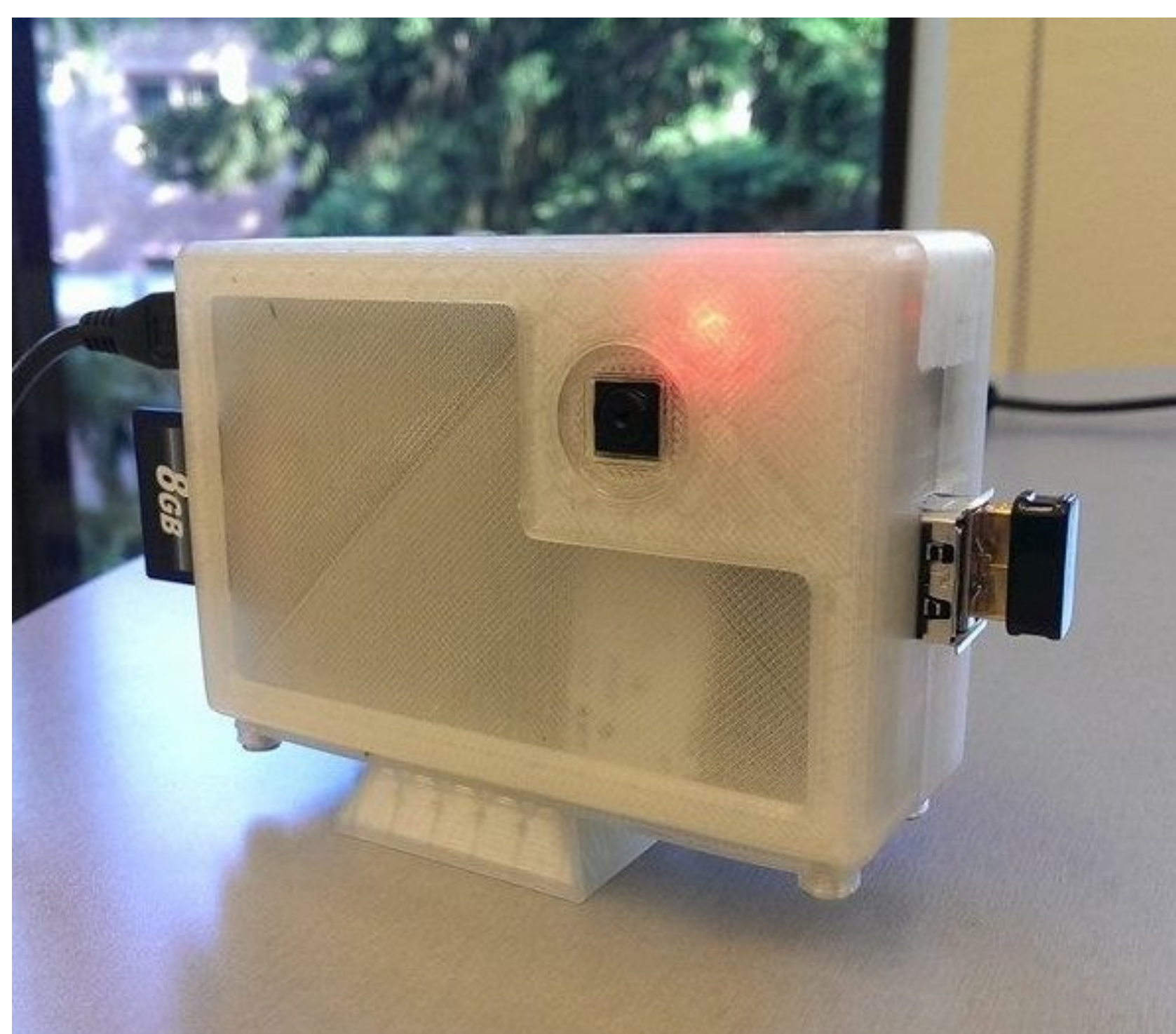
Output video length: 0 hours, 0 minutes, 2 seconds

Refresh the browser in: 0 hours, 0 minutes, 0 seconds

Start

Visit the web portal, and set the desired values for the time-lapse video. These values include: capture interval, total photo session, and FPS (Frames Per Second). Once configured, press start to begin.

2. RECORD



Now the camera will start taking pictures for the time-lapse video. Once completed the Raspberry Pi will convert the series of photos into a video and upload them to a web server.

3. WATCH

Latest Videos

NEW

5-31-14_6-15-PM.avi

5-31-14_6-08-PM.avi

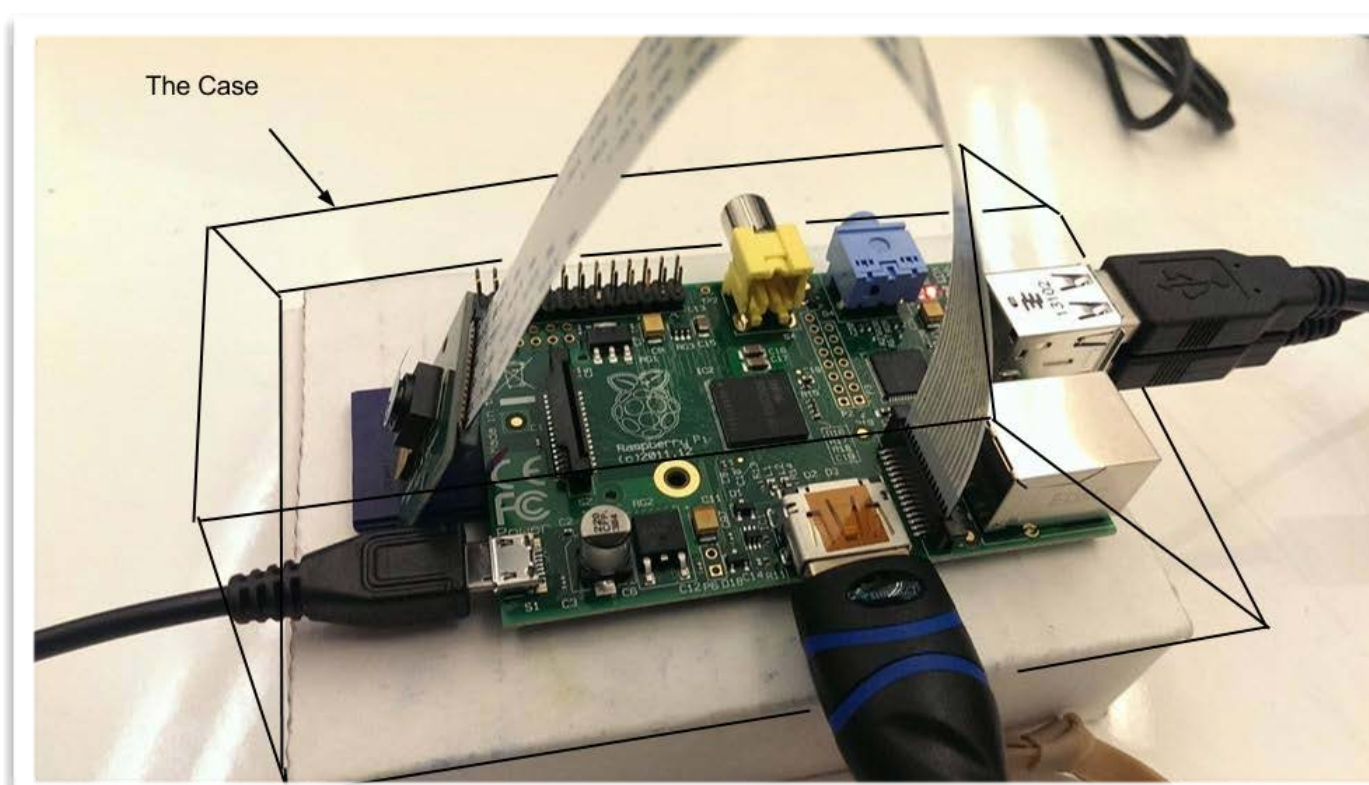
5-31-14_5-46-PM.avi

5-31-14_5-38-PM.avi

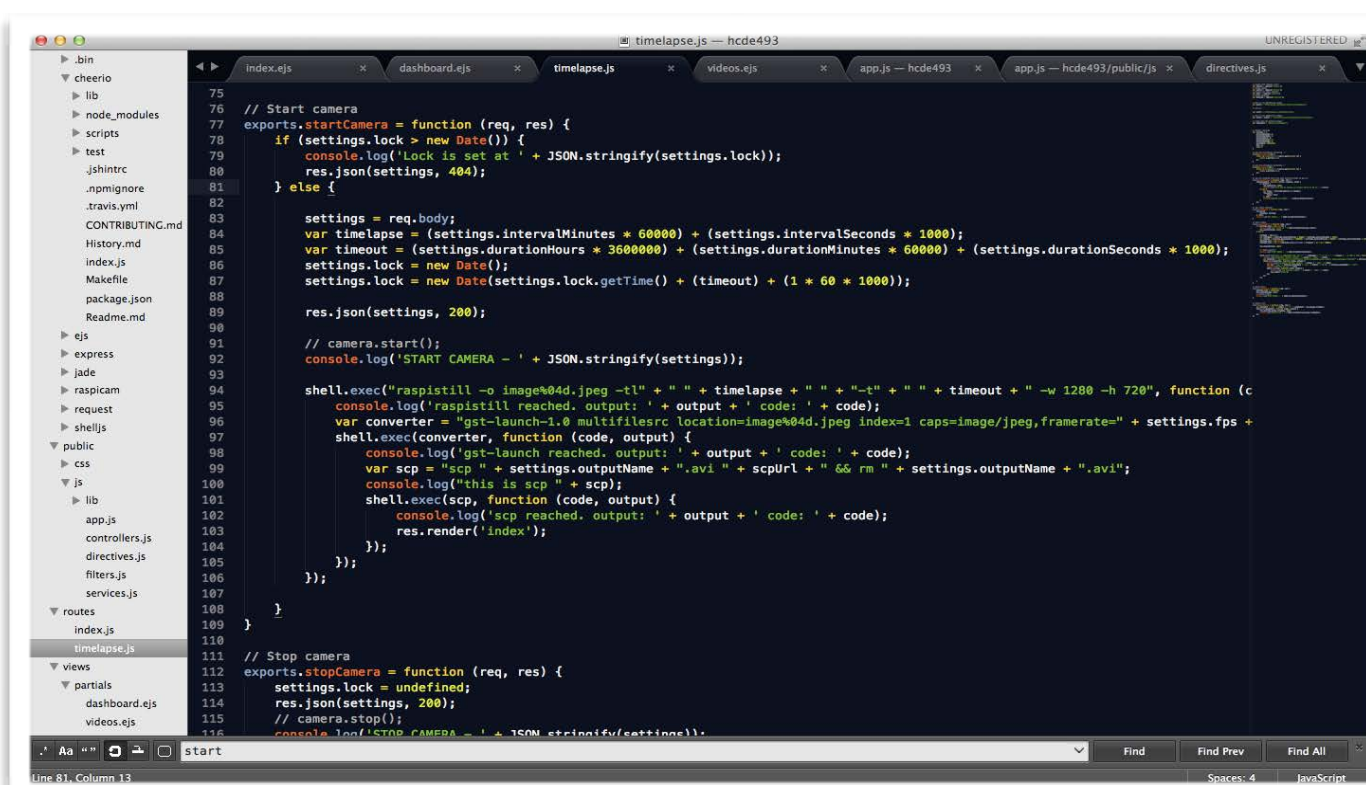
All Videos

Upon completion, the video will be available on the web portal. Users will be able watch, download and delete the time-lapse video.

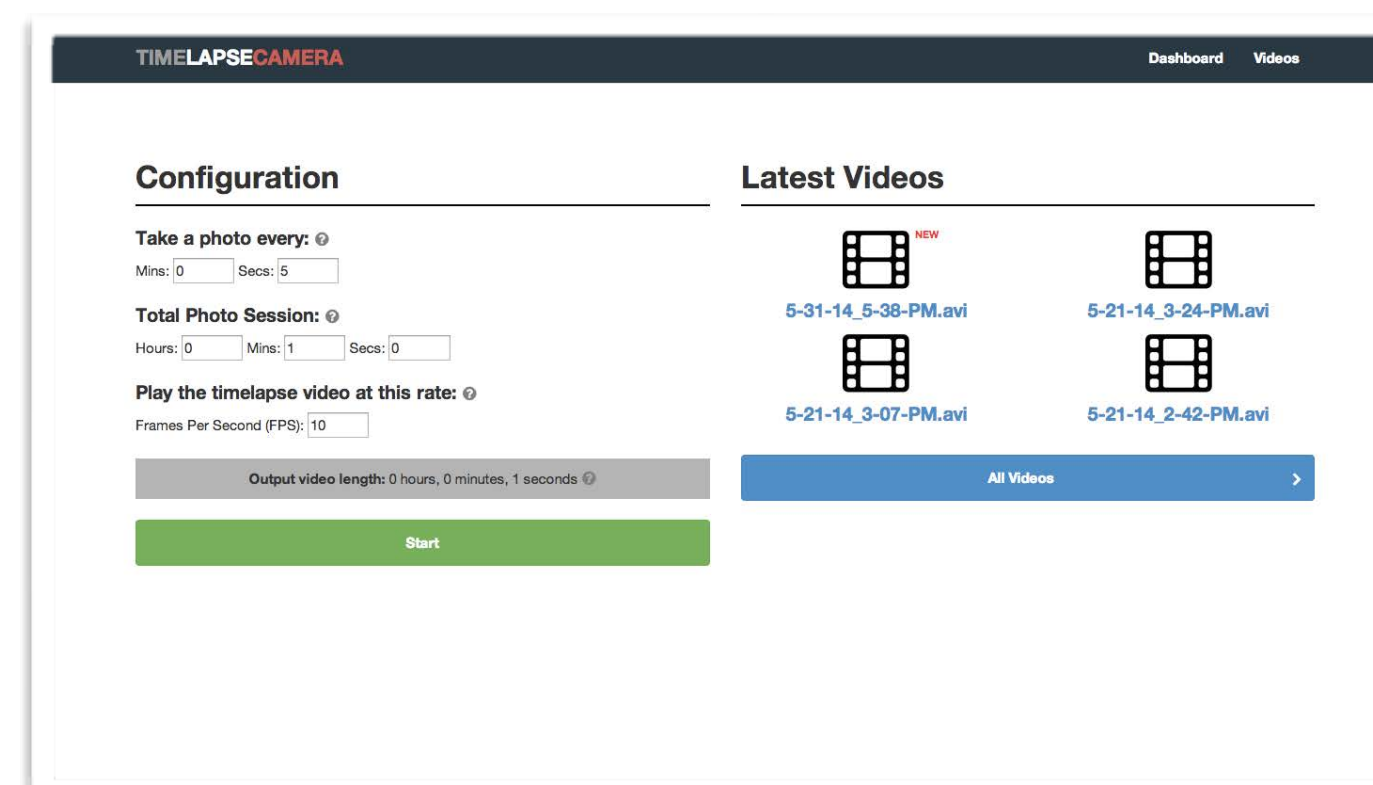
Design Process



Hardware Setup



Development



User Experience



Usability Studies



Brian Yin, James Hwang, Johnson Huynh, Rahul Mehan, Mihir Shah
<http://timelapse498.wordpress.com/>
Senior Capstone

HCDE Human
Centered
Design &
Engineering