READ ME

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https://www.cs.odu.edu/~njenning/fixer/index-dev.html

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Purpose:

The purpose of this application is to capture Gaze paths for further research into the gap between expert level and novice radiologists. By utilizing this web tool, radiologists can analyze medical images, creating fixations on regions of the image they are analyzing. The output from the system will be used to help classify factors that contribute to more efficient search patterns.

How To Use:

1. Open your system's file manager and drag the DICOM image you would like to analyze into the designated area. In order to properly calibrate the image for fixations, the Window/level tool at the top should be selected and the reset button pressed.
2. When you are ready to begin analyzing the image, press the start button at the top. The analysis timer will start and you can then begin making fixations.
3. Fixating, or gazing at an area for a prolonged period of time, is initialized by holding the mouse over the portion of the image being focused on and pressing the 'F' key. The circle towards top of the screen will light *red* to signal the ability to stop/end a fixation.
4. Ending a fixation is done by pressing the 'F' key again, starting a period between fixations (saccade) and ending the fixation.The circle towards top of the screen will light *green* to signal the ability to start another fixation.
5. Windowing, or altering the intensity of pixels in the image, is done by *left-clicking,* holding the click, and moving the mouse in the direction of the desired intensity change (UP/LEFT: intensity down, DOWN/RIGHT: intensity up).
6. Once you are done analyzing the image and intend to make no further fixations, press the stop button. The timers will end and your client will download a CSV file representing the session

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Removed/Altered Functionalities:

1. Zoom/Pan tool - users can zoom/pan their image prior to creating fixations.
2. Scroll tool - users can not scroll through a folder of images.

Acknowledgments:
https://github.com/ivmartel/dwv-simplistic
