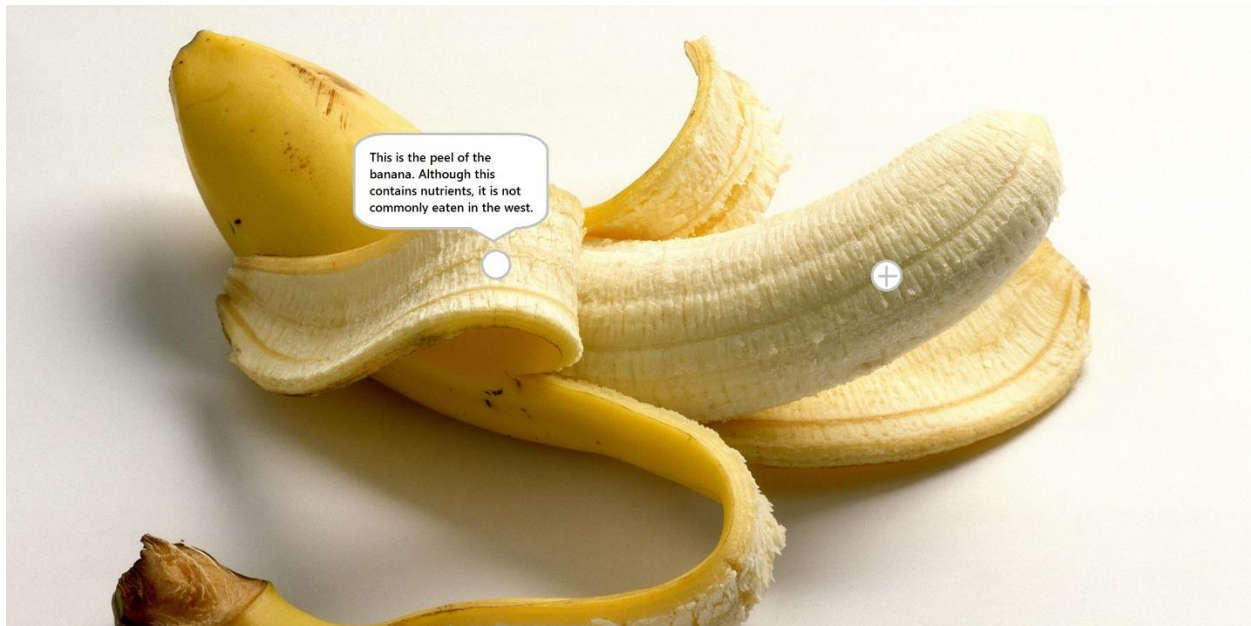**Imagective**

This purpose of Imagective, a portmanteau of Image and Interactive, is to easily create layered interactive images. By placing small circular components known as 'pins' on top of an image, a developer can add a couple user interactions: a small informative blurb appearing upon hover, or a change in view for clickable pins. Rather than having to implement the transitions or animations, developers simply have to input the background image for the highest layer, position of pins, type of pins (clickable or hoverable), images for sublayers, and text to go in caption boxes. While interactive images have existed for some time, there are only a couple of interactive image JavaScript libraries that I found online. The functionality of both stopped at only adding notes on tops of images. I believe the interactivity can be furthered with the use of smooth animation and transitioning to new views adds layers to communication.

There are several types of web apps that can easily make use of this library. Infographic web apps can easily add nested levels of information. Developers can simply add pins allowing users to view extended information that may have been shortened in the infographic. Developers can use this library web apps made for children. Being able to interact with different parts of the image is a concept that a child can easily grasp without instruction. Even creating interactive maps can be made easier. Developers can simply add informative pins, or further clickable views, to select locations on a map image for a user to interact with. These examples merely scratch the surface in terms of all the possible implementations using a library like Imagective.

Example Sketches

Hovering over basic non-clickable pin would give a brief text blurb.

Clickable pins will be distinguished with a plus, hovering on them will give a caption about the subtopic, but clicking on it will change the view with a to-be-decided transition. The change in view can either be a zoomed version of the original image or fade to a different image that relates to the topic. Back button at top left to go back to original view.

The interactive image can either be a full page view or in a container in the page.