

Easy Overlay Liquid Setup

This is a simple document for applying liquid changes of overlay functionality into any store. Please follow the below steps.

1. First create one snippet in your theme named **"easy-overlay-app.liquid"** and place below code in it.

```
{% comment %}
Don't change this file
{% endcomment %}

<script>
  var eo_api_url = 'https://8f88-14-97-78-130.ngrok.io/frontend';
  var imageClass = 'easyOverlayImage';

  function createOverlayHtml(item){
    if(item.overlays!=undefined && item.overlays.length>0){
      let product_id = item.product_id;

      //found image element based on data attr and class
      let imgElem;
      let elems = document.querySelectorAll("[data-product_id='"+product_id+"']");
      elems.forEach(function(e, index) {
        if(e.classList.contains(imageClass)) {
          imgElem = e;

          //now we found image elem, now apply overlay on it
          item.overlays.forEach(function(ol, index) {
            if(ol.type=='TEXT'){
              var overlayDiv = document.createElement('div');
              overlayDiv.className = 'overlay-text-section';

              //default css
              overlayDiv.style.zIndex = '1';
              overlayDiv.style.width = 'auto';
              overlayDiv.style.height = 'auto';
              overlayDiv.style.maxWidth = '50%';
              overlayDiv.style.position = 'absolute';
              //default css

              overlayDiv.innerHTML = ol.text;

              if(ol.font_family!=''){ overlayDiv.style.fontFamily = ol.font_family; }
              if(ol.font_size!=''){ overlayDiv.style.fontSize = ol.font_size+'px'; }
              if(ol.opacity!=''){ overlayDiv.style.opacity = ol.opacity; }
              if(ol.text_align!=''){ overlayDiv.style.textAlign = ol.text_align; }
              if(ol.font_color!=''){ overlayDiv.style.color = ol.font_color; }
              if(ol.bg_color!=''){ overlayDiv.style.backgroundColor = ol.bg_color; }
              if(ol.padding_top!=''){ overlayDiv.style.paddingTop = ol.padding_top+'px'; }
              if(ol.padding_right!=''){ overlayDiv.style.paddingRight = ol.padding_right+'px'; }
              if(ol.padding_bottom!=''){ overlayDiv.style.paddingBottom = ol.padding_bottom+'px'; }
              if(ol.padding_left!=''){ overlayDiv.style.paddingLeft = ol.padding_left+'px'; }

              let rotate_css = '';
              if(ol.rotation!=''){
                overlayDiv.style.transform = 'rotate('+ol.rotation+'deg)';
                rotate_css = ' rotate('+ol.rotation+'deg)';
              }
            }
          });
        }
      });
    }
  }
```

```

    }

    if(ol.position=='TOP_LEFT'){ overlayDiv.style.top = 0;overlayDiv.style.left = 0; }
    else if(ol.position=='TOP_CENTER'){ overlayDiv.style.top = 0;overlayDiv.style.left =
'50%';overlayDiv.style.transform = 'translateX(-50%)+rotate_css; }
    else if(ol.position=='TOP_RIGHT'){ overlayDiv.style.top = 0;overlayDiv.style.left =
'auto';overlayDiv.style.right = 0; }
    else if(ol.position=='MIDDLE_LEFT'){ overlayDiv.style.top =
'50%';overlayDiv.style.left = 0;overlayDiv.style.transform = 'translateY(-50%)+rotate_css; }
    else if(ol.position=='MIDDLE_CENTER'){ overlayDiv.style.top =
'50%';overlayDiv.style.left = '50%';overlayDiv.style.transform = 'translate(-50%,-50%)+rotate_css;
}

    else if(ol.position=='MIDDLE_RIGHT'){ overlayDiv.style.top =
'50%';overlayDiv.style.left = 'auto';overlayDiv.style.right = 0;overlayDiv.style.transform =
'translateY(-50%)+rotate_css; }
    else if(ol.position=='BOTTOM_LEFT'){ overlayDiv.style.top =
'auto';overlayDiv.style.left = 0;overlayDiv.style.bottom = 0; }
    else if(ol.position=='BOTTOM_CENTER'){ overlayDiv.style.top =
'auto';overlayDiv.style.left = '50%';overlayDiv.style.bottom = 0;overlayDiv.style.transform =
'translateX(-50%)+rotate_css; }
    else if(ol.position=='BOTTOM_RIGHT'){ overlayDiv.style.top =
'auto';overlayDiv.style.left = 'auto';overlayDiv.style.bottom = 0;overlayDiv.style.right = 0; }

    //set overlay html before img element
    imgElem.insertAdjacentElement("beforebegin", overlayDiv);

    //set relative css in parent element
    imgElem.parentElement.style.position = 'relative';
}
else if(ol.type=='IMAGE'){
    var overlayDiv = document.createElement('div');
    overlayDiv.className = 'overlay-image-section';

    //default css
    overlayDiv.style.zIndex = '1';
    overlayDiv.style.width = 'auto';
    overlayDiv.style.height = 'auto';
    overlayDiv.style.maxWidth = '50%';
    overlayDiv.style.position = 'absolute';
    //default css

    let rotate_css = '';
    if(ol.rotation!=''){
        overlayDiv.style.transform = 'rotate('+ol.rotation+'deg)';
        rotate_css = ' rotate('+ol.rotation+'deg)';
    }

    if(ol.position=='TOP_LEFT'){ overlayDiv.style.top = 0;overlayDiv.style.left = 0; }
    else if(ol.position=='TOP_CENTER'){ overlayDiv.style.top = 0;overlayDiv.style.left =
'50%';overlayDiv.style.transform = 'translateX(-50%)+rotate_css; }
    else if(ol.position=='TOP_RIGHT'){ overlayDiv.style.top = 0;overlayDiv.style.left =
'auto';overlayDiv.style.right = 0; }
    else if(ol.position=='MIDDLE_LEFT'){ overlayDiv.style.top =
'50%';overlayDiv.style.left = 0;overlayDiv.style.transform = 'translateY(-50%)+rotate_css; }
    else if(ol.position=='MIDDLE_CENTER'){ overlayDiv.style.top =
'50%';overlayDiv.style.left = '50%';overlayDiv.style.transform = 'translate(-50%,-50%)+rotate_css;
}

    else if(ol.position=='MIDDLE_RIGHT'){ overlayDiv.style.top =
'50%';overlayDiv.style.left = 'auto';overlayDiv.style.right = 0;overlayDiv.style.transform =
'translateY(-50%)+rotate_css; }
    else if(ol.position=='BOTTOM_LEFT'){ overlayDiv.style.top =
'auto';overlayDiv.style.left = 0;overlayDiv.style.bottom = 0; }
    else if(ol.position=='BOTTOM_CENTER'){ overlayDiv.style.top =

```

```

'auto';overlayDiv.style.left = '50%';overlayDiv.style.bottom = 0;overlayDiv.style.transform =
'translateX(-50%)+rotate_css; }
    else if(ol.position=='BOTTOM_RIGHT'){ overlayDiv.style.top =
'auto';overlayDiv.style.left = 'auto';overlayDiv.style.bottom = 0;overlayDiv.style.right = 0; }

    var overlayImg = document.createElement('img');
    overlayImg.style.width = '100%';
    overlayImg.style.height = '100%';
    overlayImg.style.position = 'unset';
    overlayImg.style.top = 'auto';
    overlayImg.style.left = 'auto';
    overlayImg.style.right = 'auto';
    overlayImg.style.bottom = 'auto';
    overlayImg.src = ol.image_url;

    //set overlay html before img element
    overlayDiv.insertAdjacentElement("afterbegin", overlayImg);
    imgElem.insertAdjacentElement("beforebegin", overlayDiv);

    //set relative css in parent element
    imgElem.parentElement.style.position = 'relative';
}

});
}
});

}
}
</script>

{% assign page_type_handle = request.page_type | handle %}
{% if page_type_handle == "collection" or page_type_handle == "product" or page_type_handle ==
"search" %}

<script>
if(document.getElementsByClassName(imageClass).length>0){
    let product_id_arr = [];
    for(let i=0; i<document.getElementsByClassName(imageClass).length; i++){
        let i_elem = document.getElementsByClassName(imageClass)[i];
        let pro_id = i_elem.dataset.product_id;
        product_id_arr.push(pro_id);
    }

    var u = eo_api_url+'/shop_product_overlays?shop='+Shopify.shop;
    u += '&product_ids='+product_id_arr.join(',');
    u += '&page={{page_type_handle}}';

    (async () => {
        const rawResponse = await fetch(u, {
            method: 'GET',
            headers: { 'Accept': 'application/json', 'Content-Type': 'application/json' },
            //body: JSON.stringify({'shop': Shopify.shop, 'product_ids': product_id_arr.join(',')})
        });
        const content = await rawResponse.json();

        if(content.data != undefined && content.data.length>0){
            content.data.forEach(function(item, index) {
                createOverlayHtml(item);
            });
        }
    })();
}

```

```

}
</script>

{% endif %}

```

- Now we need to include this snippet in the theme.liquid file. So add the below line in theme.liquid before the end of the body tag.

```
{% include 'easy-overlay-app'%}
```

- Now find elements in collection, product and search page and add class “easyOverlayImage” and attribute data-product_id="{{product.id}}" or data-product_id="{{item.id}}" in that tag. It depends on your theme.

```

theme.liquid  collection.liquid  collection-template.liquid  product.liquid  product.liquid
product-card-list.liquid  Older versions  Delete file  Rename  Save
29 <div class= "product-card__image-wrapper" >
30   {% if product.featured_media %}
31   {% if show_form %}
32   <a href="{{ product.url }}" tabindex="-1" data-product-card-link>
33   {% endif %}
34   <img srcset="{{ if product.featured_media.width >= 90 %}}{{ product.featured_media | img_url: '
35   {{ if product.featured_media.width >= 180 %}}{{ product.featured_media | img_url: '180x' }}
36   {{ if product.featured_media.width >= 110 %}}{{ product.featured_media | img_url: '110x' }}
37   {{ if product.featured_media.width >= 220 %}}{{ product.featured_media | img_url: '220x' }}
38   sizes="(min-width: 750px) 110px, 90px"
39   src="{{ product.featured_media | img_url: '110x110' }}"
40   width="{{ product.featured_media.width }}"
41   height="{{ product.featured_media.height }}"
42   loading="lazy"
43   class="media-cover easyOverlayImage"
44   data-product_id="{{ product.id }}"
45   alt="{{ product.featured_media.alt | escape }}"
46   data-product-card-image>
47   {% if show_form %}
48   </a>
49   {% endif %}
50   {% endif %}
51   {% if onboarding %}
52   {{ capture current }}{{ cycle 1, 2, 3, 4 }}{{ endcapture }}
53   {{ 'product-' | append: current | placeholder_svg_tag: 'placeholder-svg placeholder-svg--small'
54   {% endif %}
55   </div>
56   {% endif %}

```

That's it. Enjoy Easy Overlay.