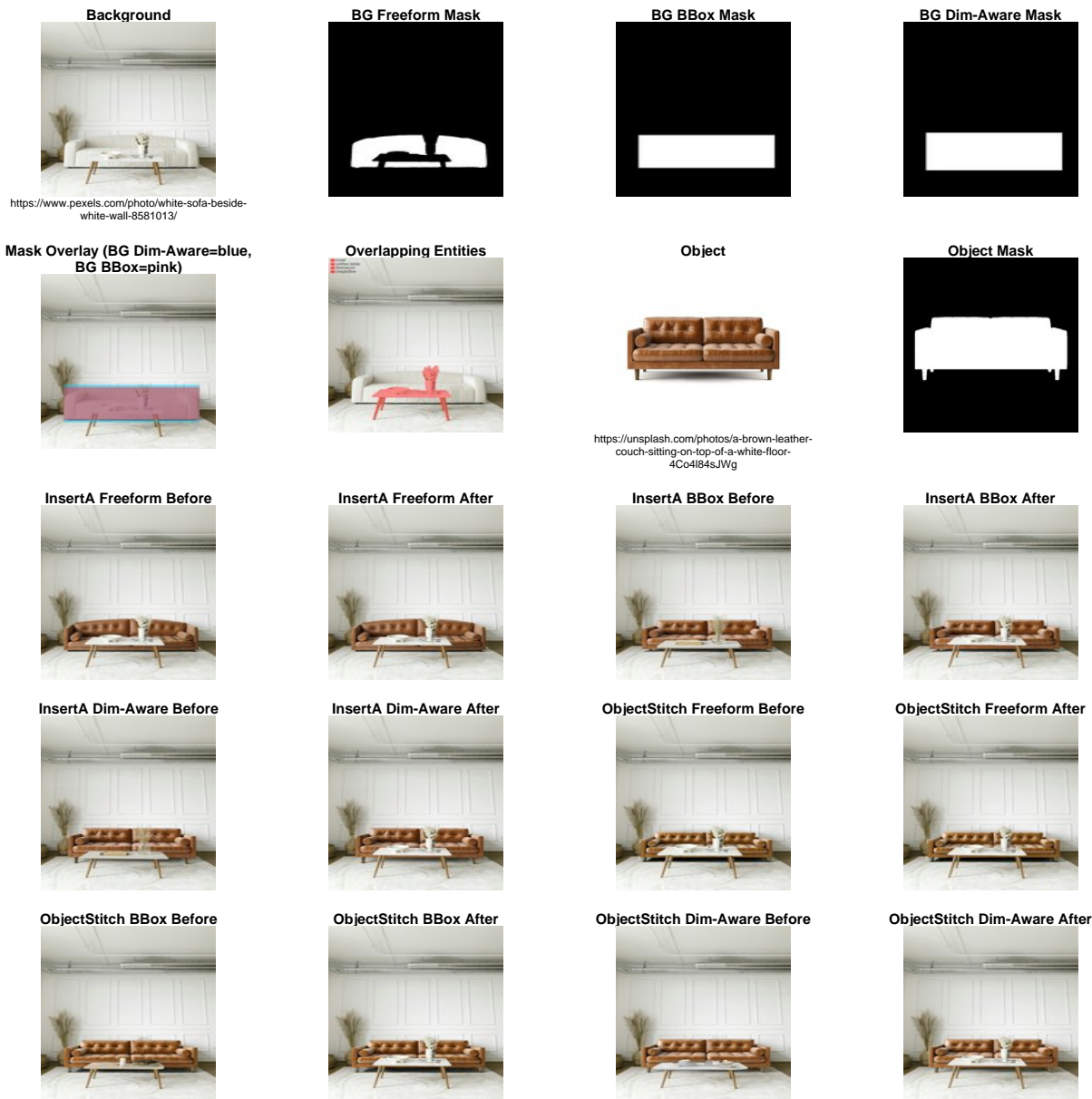


CatalogStitch-Eval - Additional Results - Occlusion

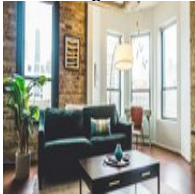

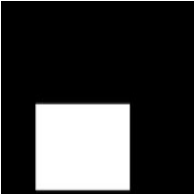

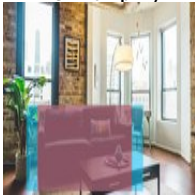















Visual summary of all 23 occlusion examples. Inputs, masks, overlapping entities, before/after from InsertAnything and ObjectStitch. Source URLs for attribution; generated images noted separately.

Example 1 - Occlusion




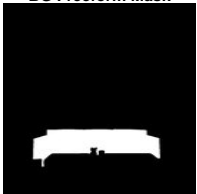
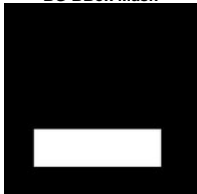
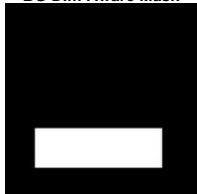
















Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 2 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/green-2-seat-sofa-1918291/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://unsplash.com/photos/a-brown-leather-couch-sitting-on-top-of-a-white-floor-4Co4l84sJWg</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 

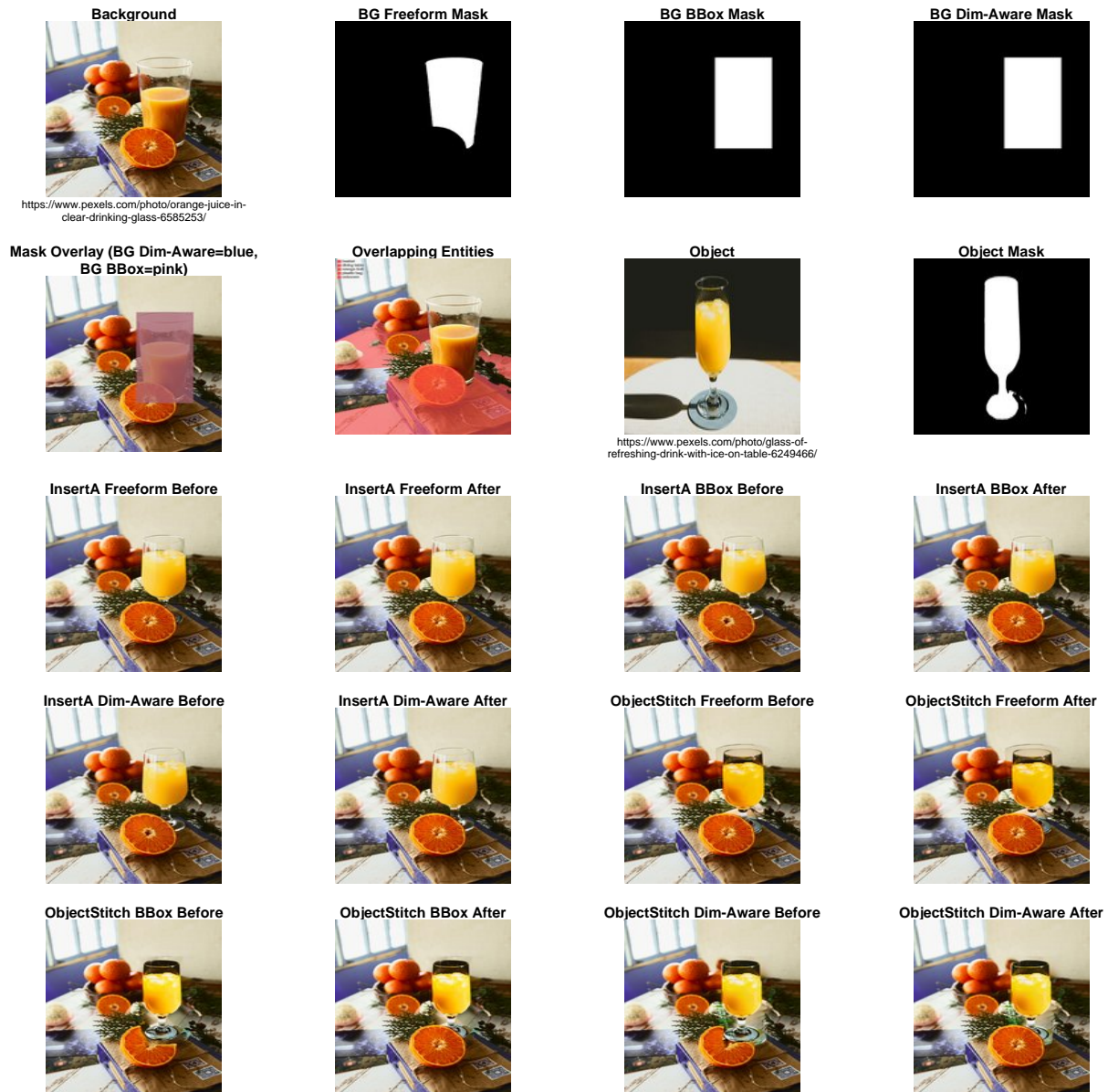
Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 3 - Occlusion

<p>Background</p>  <p>https://unsplash.com/photos/a-living-room-with-a-couch-and-a-coffee-table-Y7UWQDVuSrE</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://unsplash.com/photos/a-brown-leather-couch-sitting-on-top-of-a-white-floor-4Co4l84sJWg</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 

Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 4 - Occlusion




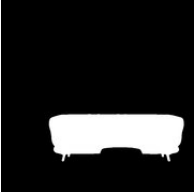

















Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 5 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/3d-render-of-a-modern-living-room-17264328/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://pixabay.com/illustrations/sofa-couch-furniture-isolated-7347875/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 



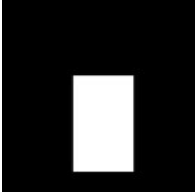
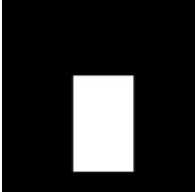



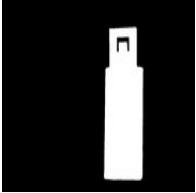












Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 6 - Occlusion

<p>Background</p>  <p>https://pixabay.com/illustrations/sofa-space-studio-art-perspective-8754140/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://pixabay.com/illustrations/sofa-couch-furniture-isolated-7347875/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 



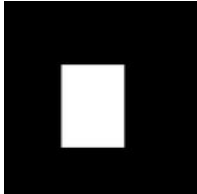

















Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 7 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/bottle-of-perfume-in-front-of-a-mirror-15007553/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/close-up-photo-of-perfume-bottle-1653085/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 















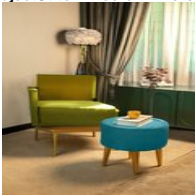
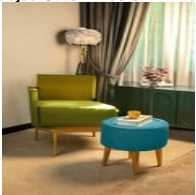
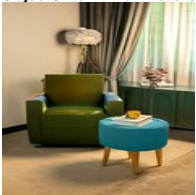
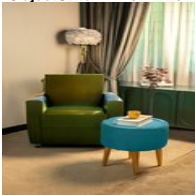
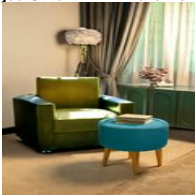
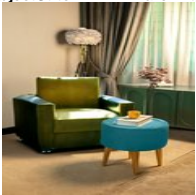
Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 8 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/stirring-of-orange-and-beetroot-drink-on-a-clear-glass-5668199/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/refreshing-glass-of-orange-juice-on-dark-background-35800294/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 

Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 9 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/elegant-teal-chair-in-cozy-living-room-setting-34791363/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/house-table-luxury-lamp-105004/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 

Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 10 - Occlusion

<p>Background</p>  <p>https://unsplash.com/photos/a-living-room-with-two-couches-and-a-coffee-table-ghUf8UzTK8g</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://unsplash.com/photos/a-brown-leather-couch-sitting-on-top-of-a-white-floor-4Co4l84sJWg</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 



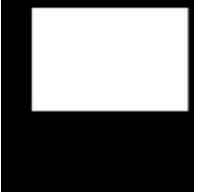

















Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 11 - Occlusion



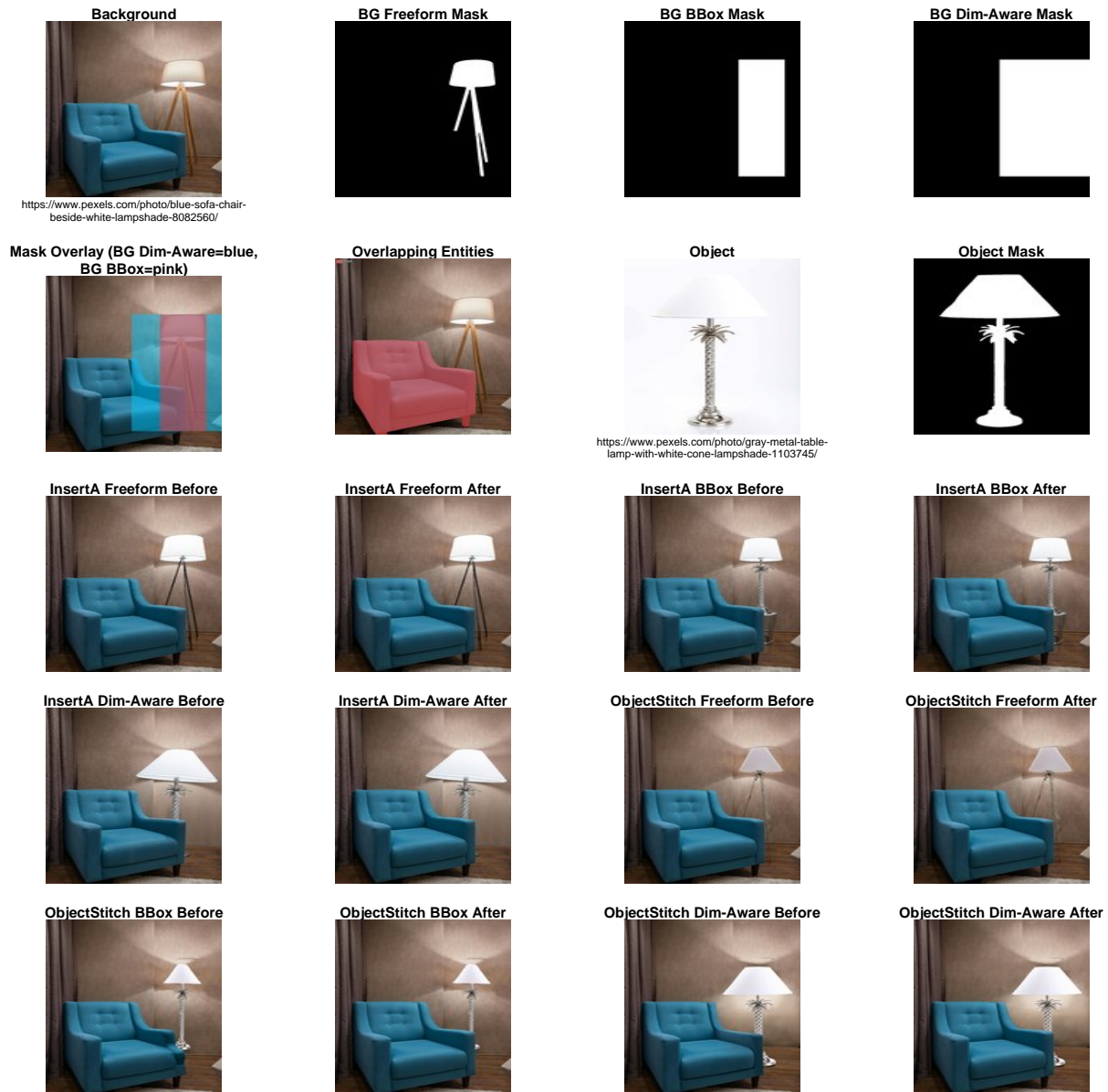
Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 12 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/a-green-plant-on-a-ceramic-pot-near-the-cup-of-coffee-on-the-table-13087806/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/vase-with-bouquet-6757651/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 




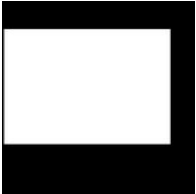
















Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 13 - Occlusion




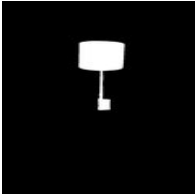
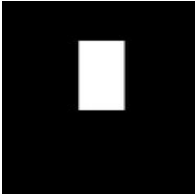
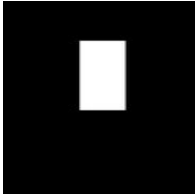
















Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 14 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/a-cup-of-coffee-standing-on-a-small-table-with-a-potted-plant-22726130/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/vase-with-bouquet-6757651/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 




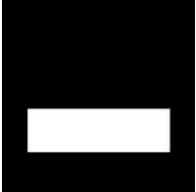






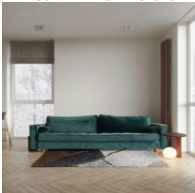


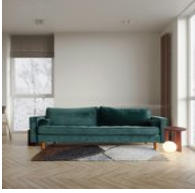






Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 15 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/a-lamp-shade-and-a-clock-on-the-bedside-table-6943418/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/lamp-in-the-corner-15524191/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 


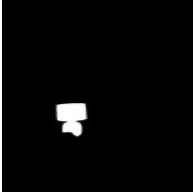
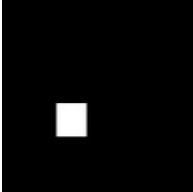
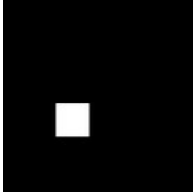

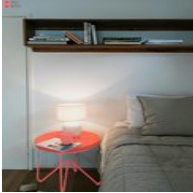














Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 16 - Occlusion

<p>Background</p>  <p>https://unsplash.com/photos/a-living-room-with-a-couch-and-a-table-yOx4oPNUR10</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://pixabay.com/illustrations/sofa-couch-furniture-isolated-7347875/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 


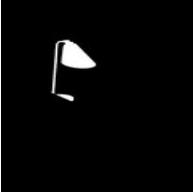
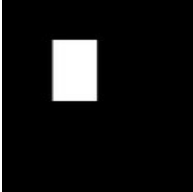
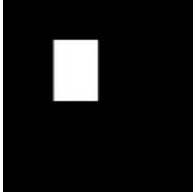
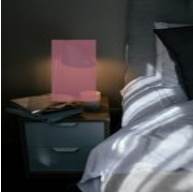
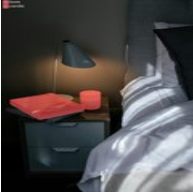


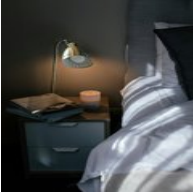
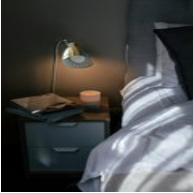
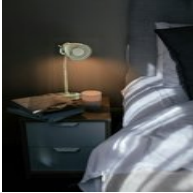
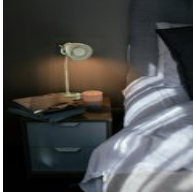
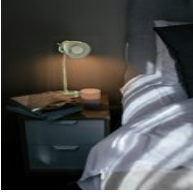
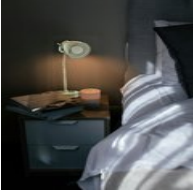
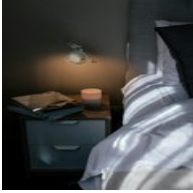
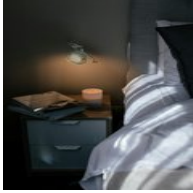



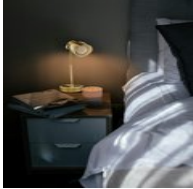
Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 17 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/lamp-on-a-wooden-table-5490386/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/a-white-lamp-on-the-table-4612402/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 

Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above.

Example 18 - Occlusion

<p>Background</p>  <p>https://www.pexels.com/photo/books-and-lamp-on-bedside-table-in-hotel-room-4577650/</p>	<p>BG Freeform Mask</p> 	<p>BG BBox Mask</p> 	<p>BG Dim-Aware Mask</p> 
<p>Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)</p> 	<p>Overlapping Entities</p> 	<p>Object</p>  <p>https://www.pexels.com/photo/front-view-of-a-golden-coated-antique-desk-lamp-placed-on-the-table-urban-interior-concept-26635057/</p>	<p>Object Mask</p> 
<p>InsertA Freeform Before</p> 	<p>InsertA Freeform After</p> 	<p>InsertA BBox Before</p> 	<p>InsertA BBox After</p> 
<p>InsertA Dim-Aware Before</p> 	<p>InsertA Dim-Aware After</p> 	<p>ObjectStitch Freeform Before</p> 	<p>ObjectStitch Freeform After</p> 
<p>ObjectStitch BBox Before</p> 	<p>ObjectStitch BBox After</p> 	<p>ObjectStitch Dim-Aware Before</p> 	<p>ObjectStitch Dim-Aware After</p> 

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Example 19 - Occlusion



Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)



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Example 20 - Occlusion



Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)

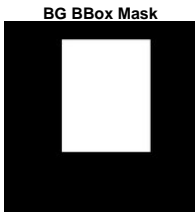


Attribution: sourced images come from Pexels, Pixabay, or Unsplash; full URLs are shown above. Generated assets are marked explicitly because they cannot be recreated from a source URL.

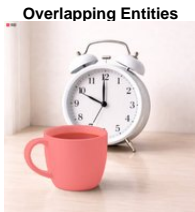
Example 21 - Occlusion



Generated. Cannot be recreated.



Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)

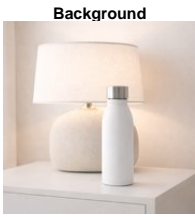


Generated. Cannot be recreated.

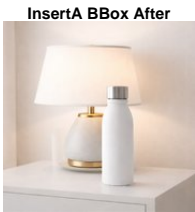


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Example 22 - Occlusion



Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)

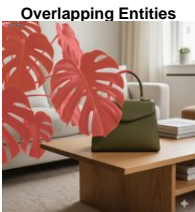
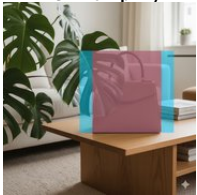


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Example 23 - Occlusion



Mask Overlay (BG Dim-Aware=blue, BG BBox=pink)



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