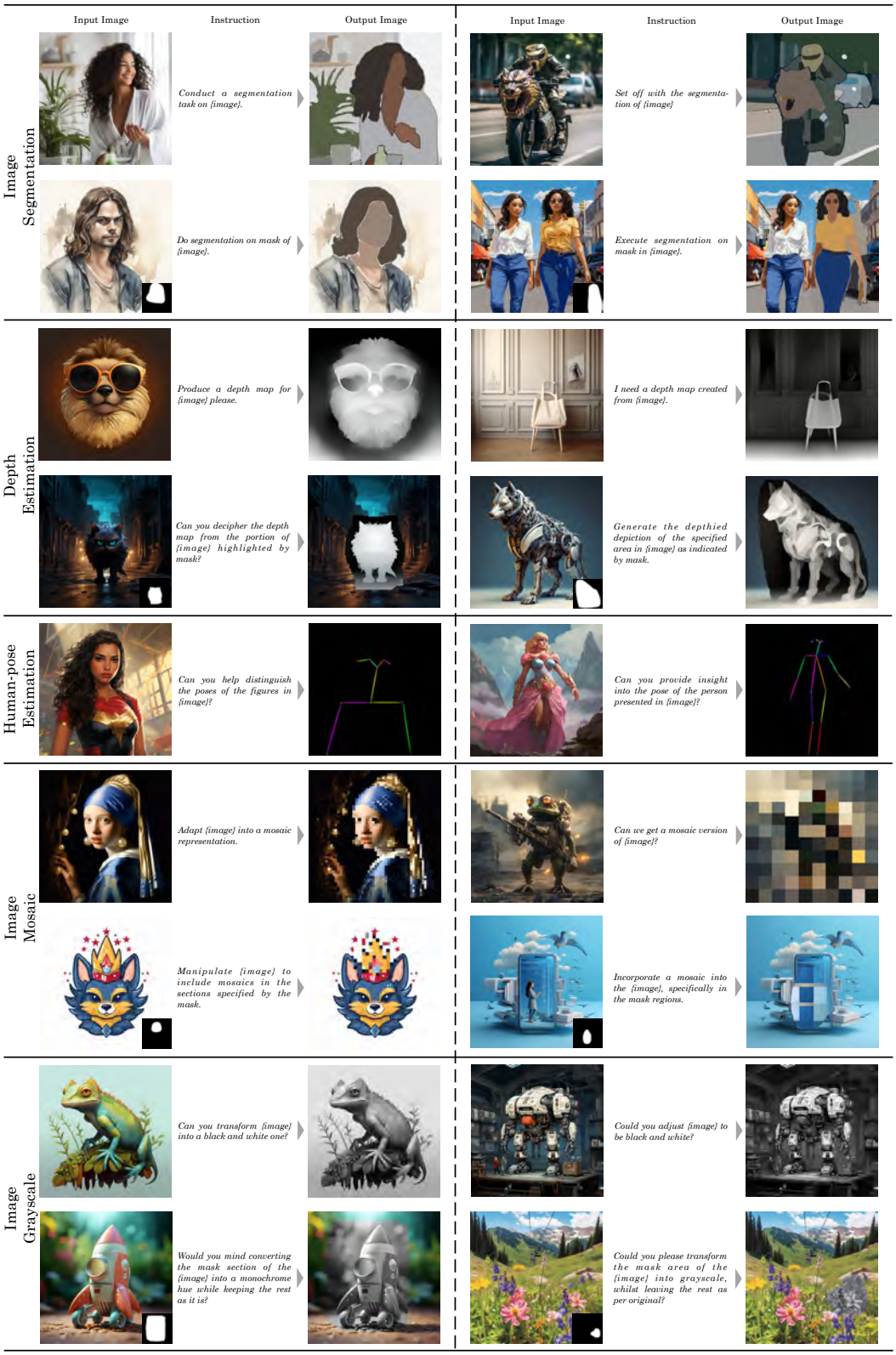

Figure 1: The ACE's generated visualization of image segmentation, depth estimation, human-pose estimation, image mosaic, and image grayscale in low-level visual analysis.

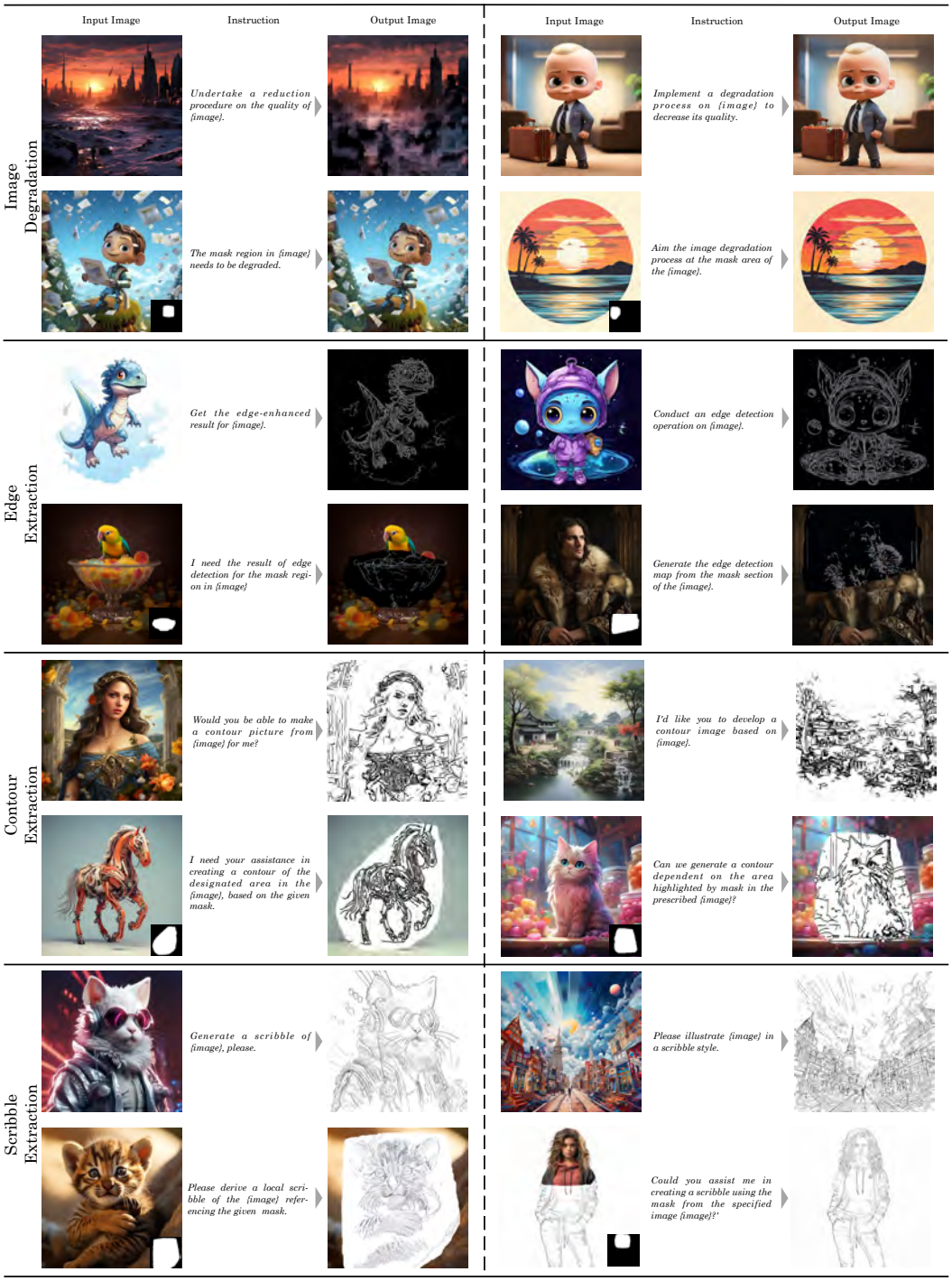

Figure 2: The ACE's generated visualization of image degradation, edge extraction, contour extraction, and scribble extraction in low-level visual analysis.

Figure 3: The ACE's generated visualization of segmentation-based, depth-based, pose-based, mosaic-based, and grayscale-based generation in controllable generation.

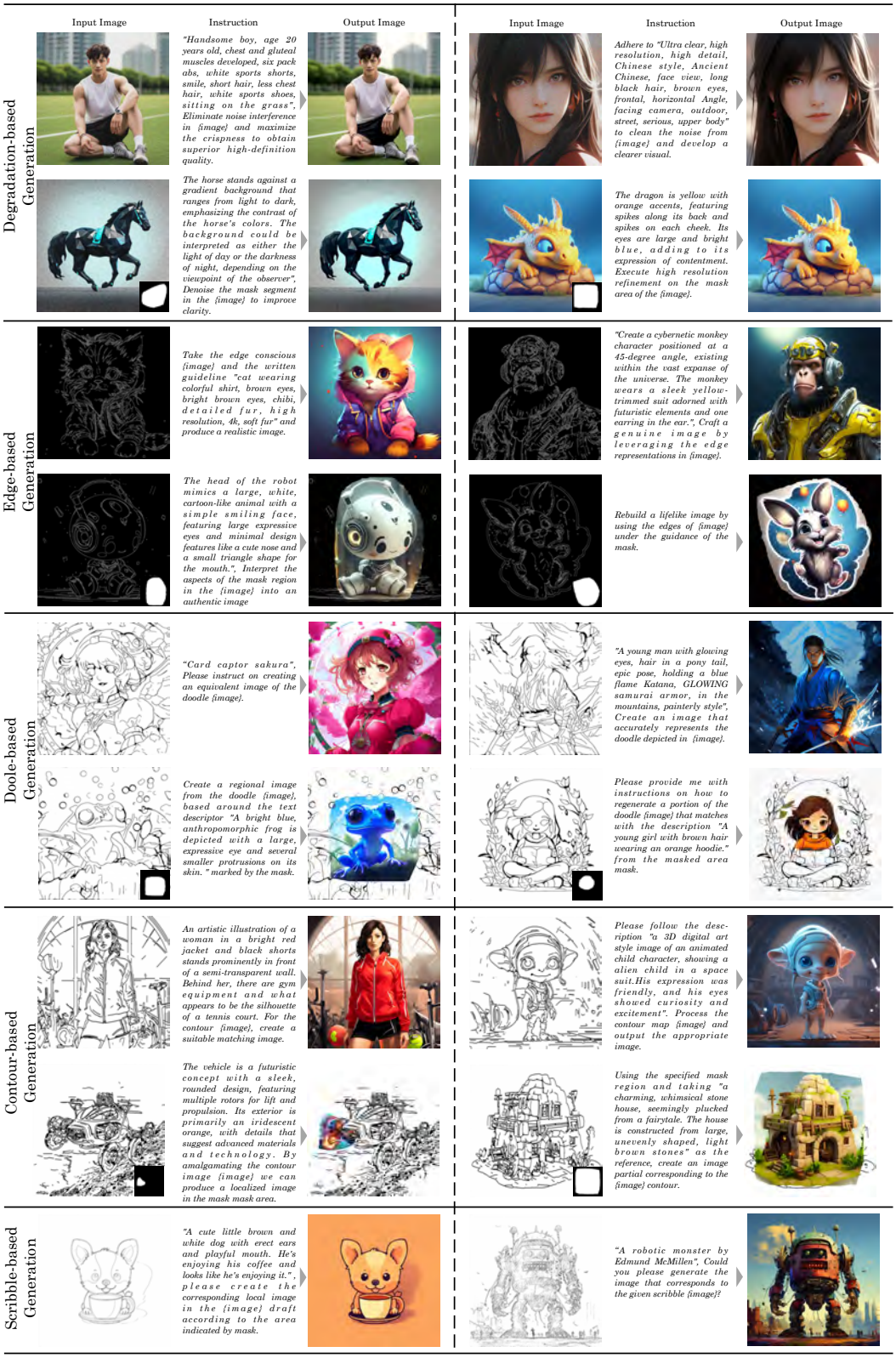

Figure 4: The ACE's generated visualization of degradation-based, edge-based, doodle-based, contour-based, and scribble-based generation in controllable generation.

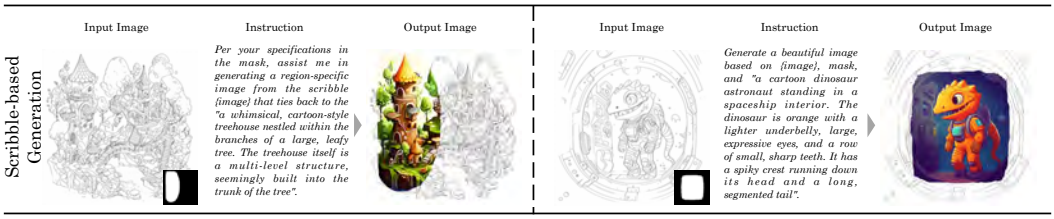

Figure 5: The ACE's generated visualization in scribble-based controllable generation.

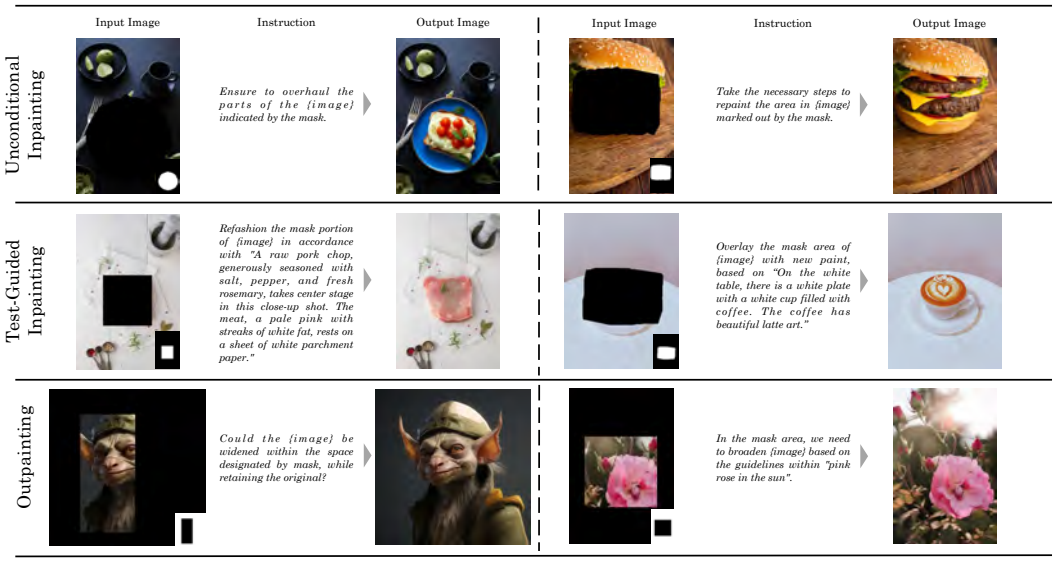

Figure 6: The ACE's generated visualization of repainting.

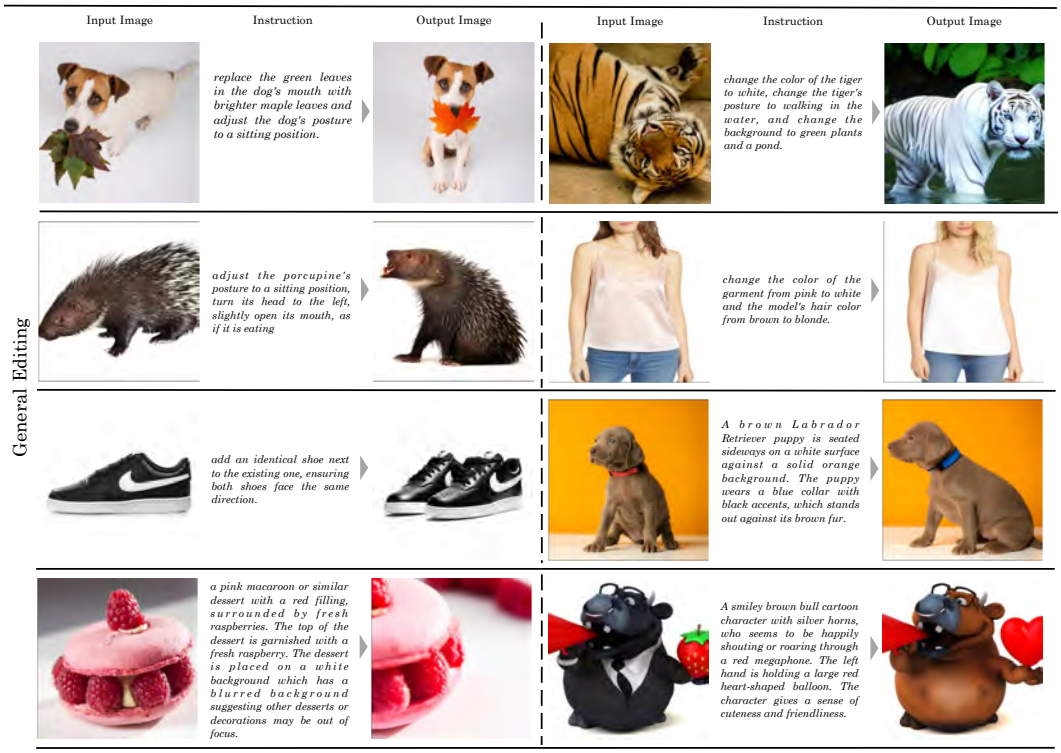

Figure 7: The ACE's generated visualization of general editing in semantic editing.

Figure 8: The ACE's generated visualization of facial editing in semantic editing.

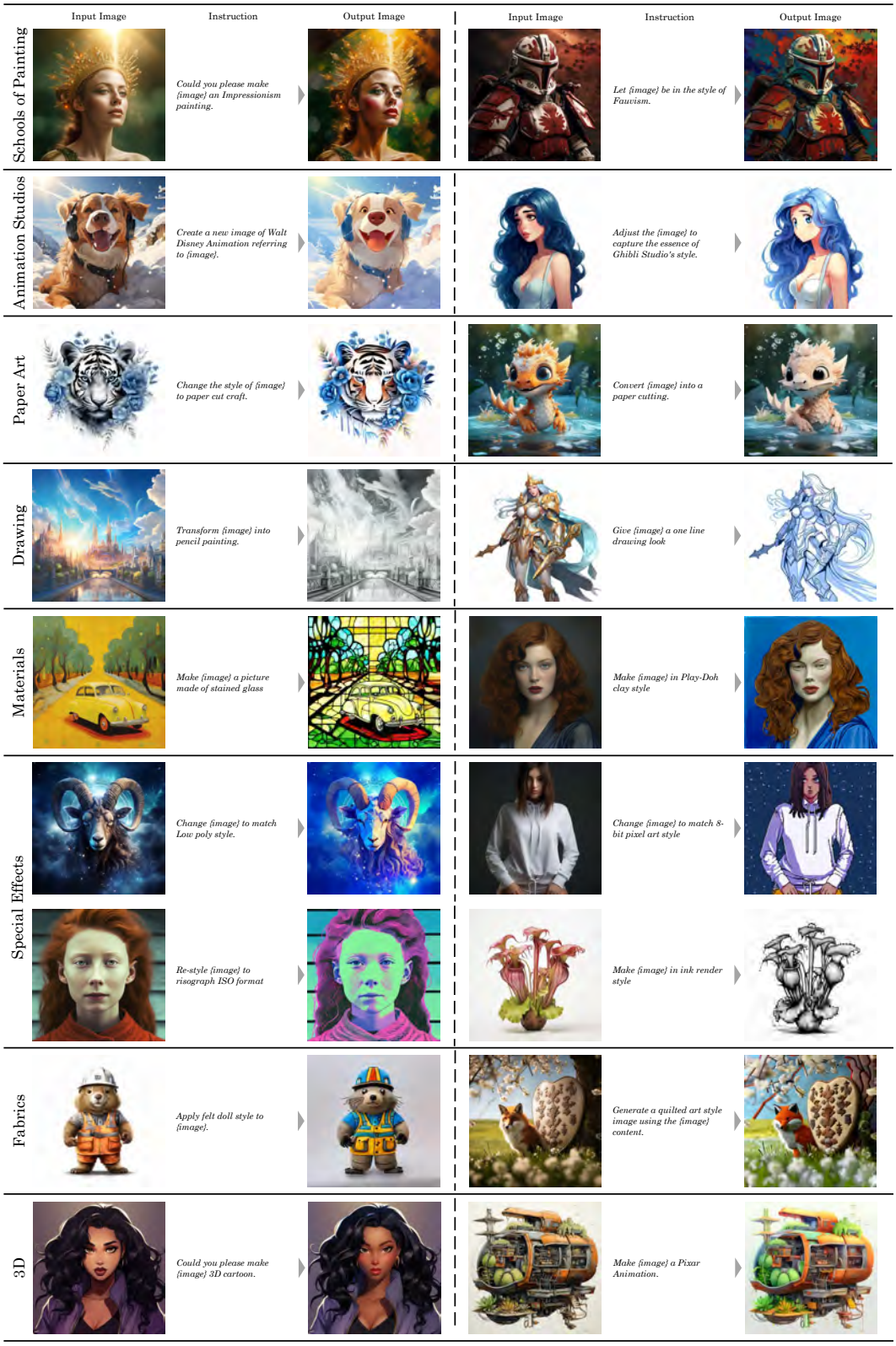

Figure 9: The ACE's generated visualization of style editing in semantic editing.

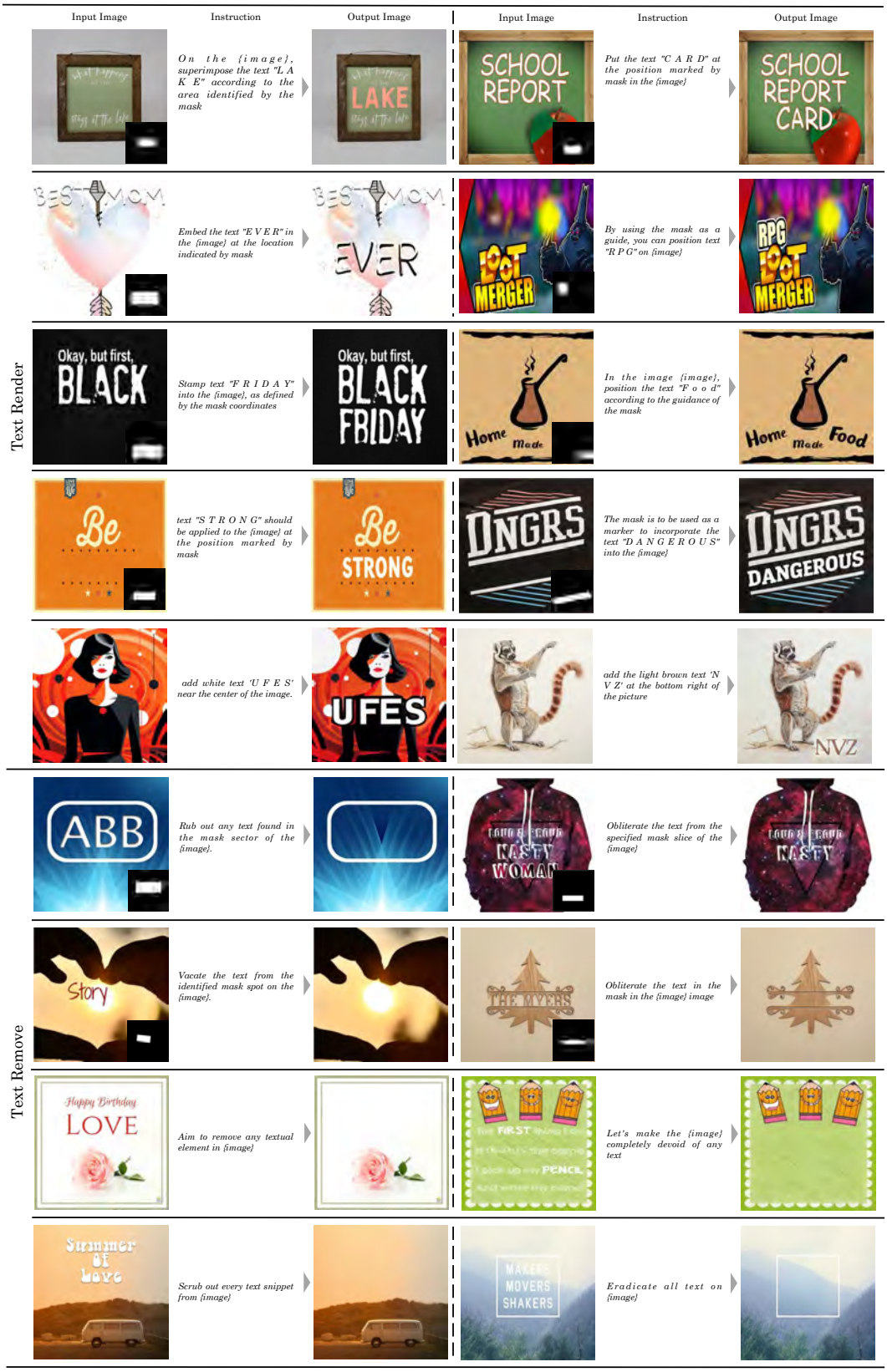

Figure 10: The ACE's generated visualization of text editing in element editing.

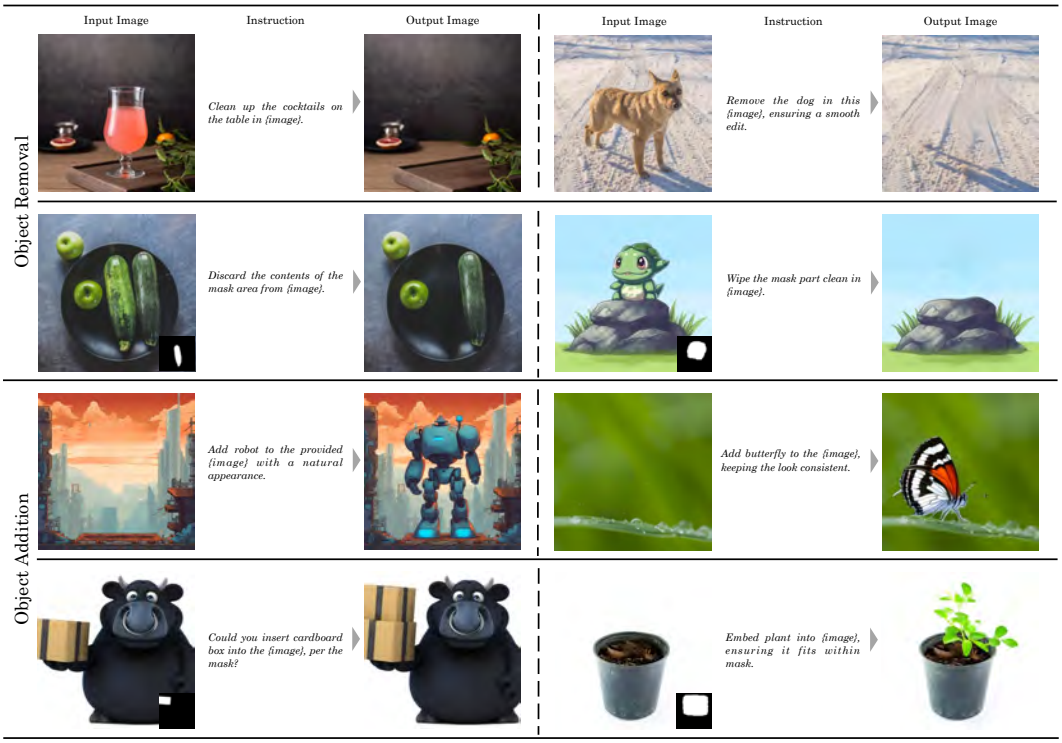

Figure 11: The ACE's generated visualization of object editing in element editing.

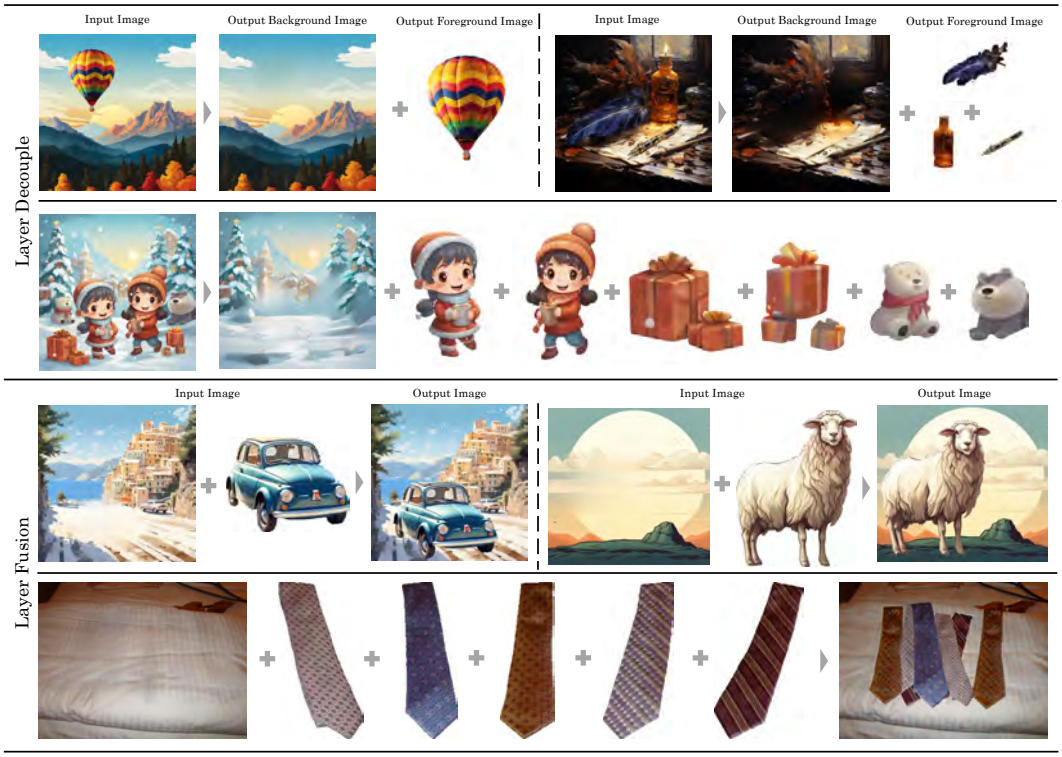

Figure 12: The ACE's generated visualization of layer decouple and layer fusion in layer editing.

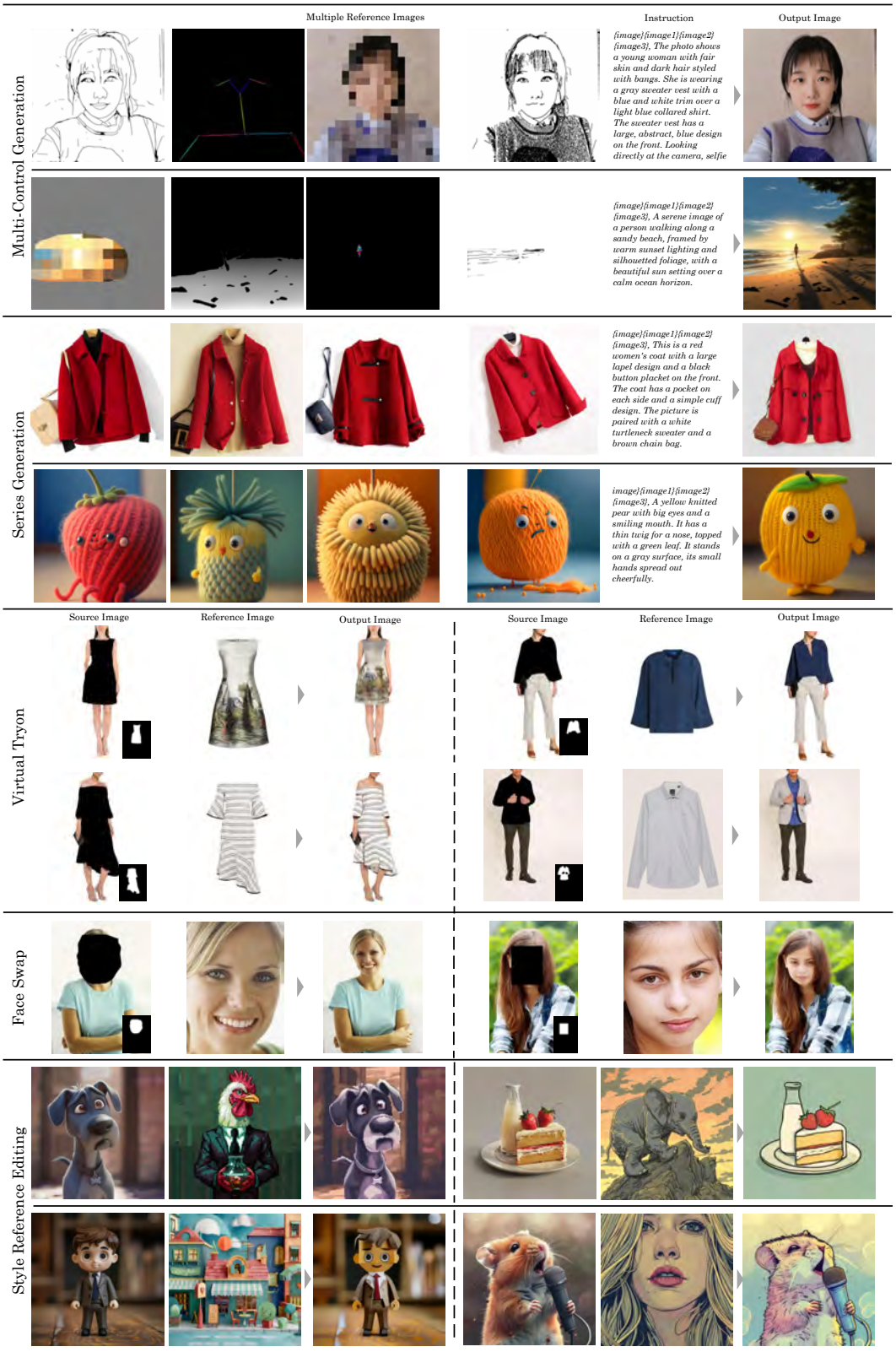

Figure 13: The ACE's generated visualization of multi-reference generation and reference-guided editing.

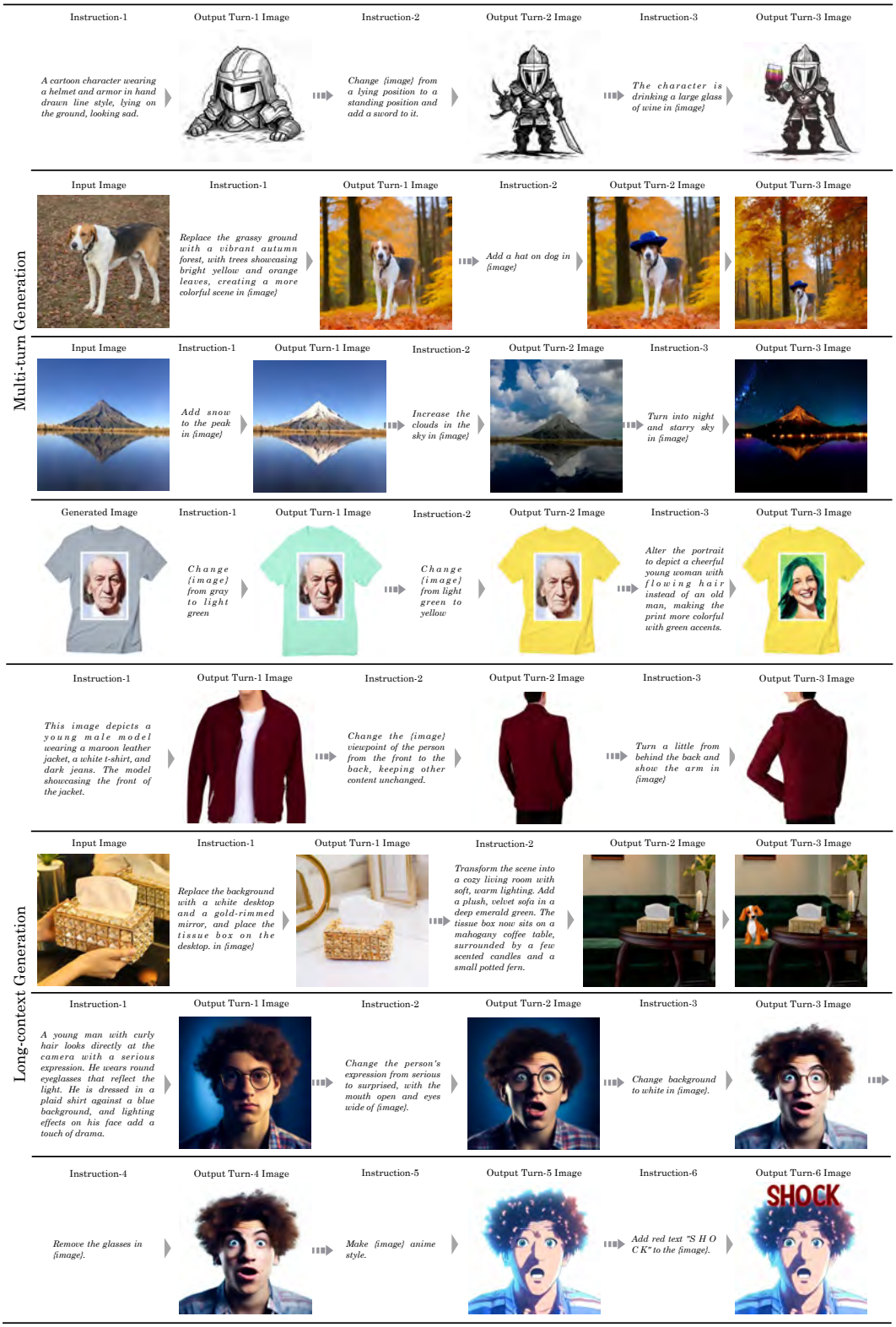

Figure 14: The ACE's generated visualization of multi-turn and long-context generation.