Shopify Slideshow Requirements (with Code Reference & Visual Explanation)

Overview

This document details the exact requirements for the Shopify-integrated slideshow, ensuring a seamless and functional experience across desktop and mobile. The provided **images visually illustrate key issues and expected behavior**, while the **previously used code serves as a reference** for the level of depth and customization expected in the final implementation.

Core Functionality

Desktop Behavior

- The slideshow must display exactly 4 full images at a time on desktop (not 3.5, not 4.2—precisely 4).
- Each image should be fully visible—no partial images should appear.
- Autoplay transitions every 5 seconds, ensuring smooth movement with no abrupt snapping.
- **70px spacing between images** to prevent them from touching.

Mobile Behavior

- Only 1 image should be displayed at a time on mobile—no partial images should be visible
- No spacing on mobile—each image should properly fill the screen width.
- Autoplay should be continuous and always scroll to the right (illustrated in Image 2).

Looping & Scroll Behavior

- Slideshow must loop infinitely—once it reaches the last image, it should seamlessly transition back to the first without blank spaces (illustrated in Image 1).
- On mobile, it must always scroll to the right.
- On desktop, continuous scrolling only activates if 8 or more images are uploaded:
 - Once the 8th image enters view, the next transition should seamlessly cycle back to the 1st image from the right (illustrated in Image 2).
 - If fewer than 8 images are uploaded, the scroll should return from the left (illustrated in Image 3).
 - Regardless of the number of images, mobile should always maintain rightward scrolling.

No Empty Spaces

• **Image 1** highlights a critical issue where blank spaces appear instead of the slideshow seamlessly continuing—this must be prevented.

Exact Image Dimensions

• The slideshow images must be **1311 x 1952px**, as this is the size being used for the brand's visuals.

Navigation & Interaction

✓ User Control Features

- The slideshow must include **left and right pagination arrows** for manual navigation.
- Users must be able to click and drag (on desktop) or swipe (on mobile) to scroll seamlessly.

☑ Direction Control

- Mobile scrolling must always go to the right (illustrated in Image 2).
- Desktop scrolling must also go to the right if 8 or more images exist (illustrated in Image 2).
- If fewer than 8 images exist on desktop, scrolling should return from the left (illustrated in Image 3).

Margins & Layout

Visual Balance

- The slideshow must have equal top and bottom margins for aesthetic consistency.
- Left and right margins should ensure that the images do not hug the screen edges.

Integration & Customization

Shopify Integration

• This slideshow must be **fully integrated into Shopify** with no external dependencies.

Customization & Ease of Editing

 The system should allow easy editing via a no-code UI—users should not need to modify raw code to adjust images, spacing, or autoplay settings.

✓ Brand-New Code Implementation

- The previous **pasted code** was used as a reference and provided a solid base for customization, but due to issues in achieving the required scroll direction and looping behavior, a **brand-new codebase must be developed**.
- The new code should maintain the same **level of depth, settings, and customizability as the previous one**, ensuring full control over autoplay speed, margins, slide transition modes, navigation arrows, and pagination dots.

Visual References

- **Image 1:** Shows the issue of images not repopulating properly, leading to blank spaces. This must be **fixed so that the slideshow loops seamlessly**.
- Image 2: Shows the desired rightward scrolling direction for mobile and for desktop when 8+ images are uploaded.
- Image 3: Shows the behavior when fewer than 8 images are present—scrolling should return from the left instead of continuously looping from the right.

This is the **most detailed breakdown of the slideshow functionality** to ensure perfect execution. The reference code serves as a **benchmark for customization**, and the images highlight the **exact behaviors to fix**. The new code should be built from the ground up to **eliminate issues with cut-off images**, **inconsistent spacing**, **and improper looping behavior** while maintaining **smooth**, **user-friendly interactions**.

This must be executed precisely—no blank spaces, no abrupt transitions, and seamless looping based on the number of images uploaded.

Images In Question:

Image 1:

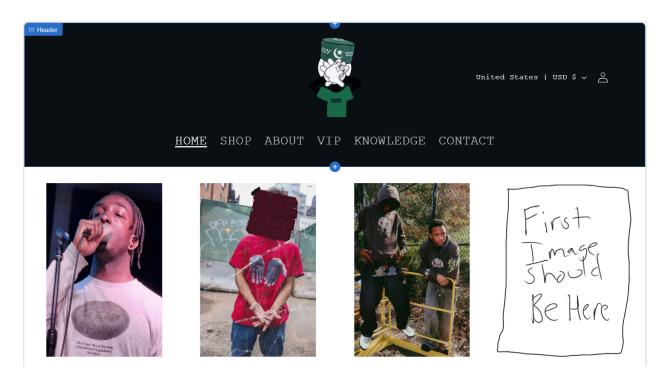


Image 2:



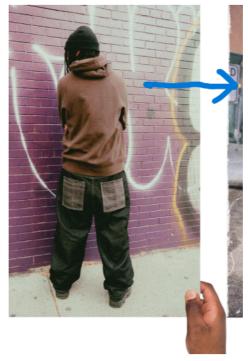
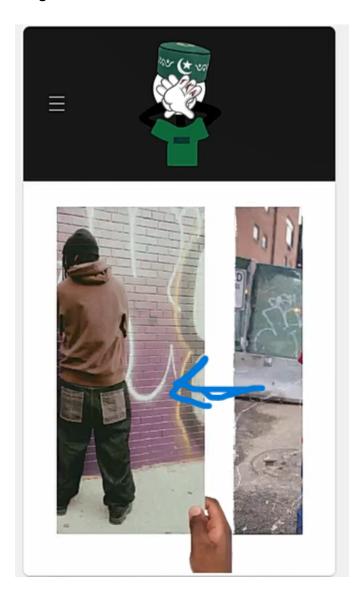


Image 3:



Original Code:

```
{% schema %}
 "name": "Custom Slideshow",
 "settings": [
    "type": "range",
   "id": "autoplay_speed",
    "min": 3,
    "max": 9,
    "step": 1,
    "unit": "sec",
    "label": "Change slides every",
    "default": 5
  },
    "type": "range",
    "id": "top_margin",
    "min": 10,
    "max": 100,
    "step": 5,
    "unit": "px",
    "label": "Top margin",
    "default": 30
  },
    "type": "range",
    "id": "side_margin",
    "min": 10,
    "max": 100,
    "step": 5,
    "unit": "px",
    "label": "Side margins",
    "default": 40
  },
    "type": "checkbox",
    "id": "show arrows",
    "label": "Show arrows",
    "default": true
  },
```

```
"type": "checkbox",
  "id": "show_dots",
  "label": "Show dots",
  "default": true
  "type": "select",
  "id": "slide_mode",
  "label": "Slide transition mode",
  "options": [
    {
     "value": "slide_by_one",
     "label": "Slide by one image"
     "value": "slide_by_group",
     "label": "Slide by group"
  "default": "slide_by_one"
"blocks": [
  "type": "slide",
  "name": "Slide",
  "settings": [
     "type": "image_picker",
     "id": "image",
     "label": "Image"
     "type": "url",
     "id": "link",
     "label": "Link",
     "info": "Optional"
    },
     "type": "select",
     "id": "alignment",
     "label": "Image alignment",
     "options": [
```

```
"value": "center",
        "label": "Center"
        "value": "top",
        "label": "Top"
        "value": "bottom",
        "label": "Bottom"
        "value": "left",
        "label": "Left"
      },
        "value": "right",
        "label": "Right"
     "default": "center"
"presets": [
  "name": "Custom Slideshow",
  "category": "Image",
  "blocks": [
     "type": "slide"
   },
     "type": "slide"
     "type": "slide"
     "type": "slide"
  ]
```

```
}
 ]
{% endschema %}
<div
 class="custom-slideshow-container"
 style="padding-top: {{ section.settings.top_margin }}px; padding-left: {{
section.settings.side_margin }}px; padding-right: {{ section.settings.side_margin }}px;"
 <div id="custom-slideshow-wrapper" class="custom-slideshow-wrapper">
  <div id="custom-slideshow" class="custom-slideshow">
   {% for block in section.blocks %}
     {% if block.type == 'slide' and block.settings.image %}
      <div class="custom-slide" {{ block.shopify_attributes }}>
       {% if block.settings.link %}
         <a href="{{ block.settings.link }}">
       {% endif %}
       <div class="slide-image-wrapper" style="background-position: {{ block.settings.alignment</pre>
}};">
         <img
          src="{{ block.settings.image | img_url: 'master' }}"
          alt="{{ block.settings.image.alt | escape }}"
          class="slide-image"
         >
       </div>
       {% if block.settings.link %}
         </a>
       {% endif %}
      </div>
     {% endif %}
   {% endfor %}
  </div>
 </div>
 {% if section.settings.show_dots %}
  <div class="slide-dots"></div>
 {% endif %}
 {% if section.settings.show_arrows %}
  <div class="slide-arrow prev-arrow">&#10094;</div>
  <div class="slide-arrow next-arrow">&#10095;</div>
 {% endif %}
</div>
```

```
<style>
 .custom-slideshow-container {
  width: 100%;
  max-width: 100%;
  overflow: hidden;
  margin: 0 auto;
  position: relative;
}
 .custom-slideshow-wrapper {
  width: 100%;
  overflow: hidden;
 }
 .custom-slideshow {
  display: flex;
  transition: transform 0.5s ease;
 }
 .custom-slide {
  flex-shrink: 0;
  box-sizing: border-box;
 }
 /* Desktop styles */
 @media screen and (min-width: 768px) {
  .custom-slide {
   width: calc(25% - 52.5px); /* Exactly 25% of width minus spacing */
   margin-right: 70px; /* Exactly 70px spacing as requested */
  }
 }
/* Mobile styles */
 @media screen and (max-width: 767px) {
  .custom-slide {
   width: 100%;
   margin-right: 0;
  }
 }
 .slide-image-wrapper {
  width: 100%;
  /* Fixed aspect ratio based on 1311×1952 dimensions */
```

```
padding-bottom: 148.89%; /* (1952/1311)*100 = 148.89% */
 position: relative;
 overflow: hidden;
}
.slide-image {
 position: absolute;
 top: 0;
 left: 0;
 width: 100%;
 height: 100%;
 object-fit: contain; /* Keep exact dimensions */
 border-radius: 0; /* No rounded edges */
}
/* Navigation controls */
.slide-arrow {
 position: absolute;
 top: 50%;
 transform: translateY(-50%);
 cursor: pointer;
 z-index: 10;
 background: rgba(255, 255, 255, 0.7);
 width: 40px;
 height: 40px;
 display: flex;
 align-items: center;
justify-content: center;
}
.prev-arrow {
 left: 10px;
}
.next-arrow {
 right: 10px;
}
.slide-dots {
 display: flex;
justify-content: center;
 margin-top: 15px;
}
```

```
.slide-dot {
  width: 10px;
  height: 10px;
  background: #ccc;
  border-radius: 50%;
  margin: 0 5px;
  cursor: pointer;
 }
 .slide-dot.active {
  background: #333;
 }
/* Custom clone slide for continuous mobile sliding */
 .custom-slide.clone {
  display: none;
 @media screen and (max-width: 767px) {
  .custom-slide.clone {
   display: block;
  }
}
</style>
<script>
 document.addEventListener('DOMContentLoaded', function() {
  const slideshow = document.getElementById('custom-slideshow');
  const slidesArray = Array.from(document.querySelectorAll('.custom-slide'));
  const totalSlides = slidesArray.length;
  const autoplaySpeed = {{ section.settings.autoplay_speed | times: 1000 }};
  const slideByOne = {{ section.settings.slide_mode | json }} === "slide_by_one";
  if (totalSlides <= 0) return;
  let currentSlide = 0;
  let slidesPerView = 4; // Desktop default
  let slideWidth = 0;
  let slideMargin = 70; // As defined in CSS
  let cloneCreated = false;
  const isMobile = () => window.innerWidth < 768;
  // Function to create clone slides for mobile continuous scrolling
```

```
function createMobileClones() {
   if (cloneCreated) return;
   // Only create clone on mobile
   if (isMobile()) {
     cloneCreated = true;
     // Create a clone of the first slide and append it to the end for continuous effect
     const firstSlideClone = slidesArray[0].cloneNode(true);
     firstSlideClone.classList.add('clone');
     slideshow.appendChild(firstSlideClone);
   }
  }
  // Function to calculate slide positions and widths
  function updateDimensions() {
   slidesPerView = isMobile() ? 1 : 4;
   if (isMobile()) {
     // Create a mobile clone if needed
     createMobileClones();
     slideWidth = slidesArray[0].offsetWidth;
     slideMargin = 0;
   } else {
     slideWidth = slidesArray[0].offsetWidth;
     slideMargin = 70; // Match the CSS value
   }
   // FIX: Ensure slideWidth is not zero
   if (slideWidth <= 0) {
     // Use container width instead if slide width is zero
     const containerWidth = document.querySelector('.custom-slideshow-wrapper').offsetWidth;
     slideWidth = isMobile() ? containerWidth : (containerWidth - (slidesPerView - 1) *
slideMargin) / slidesPerView;
   }
   // Ensure we're at a valid position after resize
   if (currentSlide > totalSlides - slidesPerView) {
     currentSlide = Math.max(0, totalSlides - slidesPerView);
     updateSlidePosition(false);
   } else {
     updateSlidePosition(false);
   }
```

```
// Update dots
   createDots();
  }
// Replace your current updateSlidePosition function with this:
function updateSlidePosition(animate = true) {
 // Calculate how many slides are visible
 const visibleSlides = isMobile() ? 1 : slidesPerView;
 const translateX = currentSlide * (slideWidth + slideMargin);
 slideshow.style.transition = animate ? 'transform .5s ease' : 'none';
 slideshow.style.transform = `translateX(-${translateX}px)`;
 // Update dots
 updateDots();
 // Handle the special case for desktop continuous sliding
 if (!isMobile() && animate && currentSlide >= totalSlides - visibleSlides) {
  // Use a flag to prevent multiple event handling
  let resetInProgress = false;
  const handleTransitionEnd = function() {
   // Prevent multiple executions
   if (resetInProgress) return;
   resetInProgress = true;
   // Remove event listener first to prevent any chance of multiple calls
   slideshow.removeEventListener('transitionend', handleTransitionEnd);
   // Remove any existing clones
   document.guerySelectorAll('.temp-clone').forEach(clone => clone.remove());
   // Reset to beginning without animation
   currentSlide = 0;
   slideshow.style.transition = 'none';
   slideshow.style.transform = 'translateX(0)';
   // Force reflow
   void slideshow.offsetHeight;
   // Wait a moment before re-enabling transitions
   setTimeout(() => {
     slideshow.style.transition = 'transform .5s ease';
```

```
}, 50);
 };
 // Add the event listener for transition end
 slideshow.addEventListener('transitionend', handleTransitionEnd, {once: true});
}
// Mobile-specific reset logic
if (isMobile() && animate && currentSlide === totalSlides) {
 setTimeout(() => {
   currentSlide = 0;
   slideshow.style.transition = 'none';
   slideshow.style.transform = 'translateX(0)';
   void slideshow.offsetHeight;
   slideshow.style.transition = 'transform .5s ease';
   updateDots();
 }, 500);
}
// For desktop continuous sliding: Handle the special reset case
else if (!isMobile() && animate && currentSlide >= totalSlides - slidesPerView) {
 // Listen for the end of the transition
 const resetPositionHandler = function() {
  // Remove the temporary clones
   document.querySelectorAll('.temp-clone').forEach(clone => clone.remove());
   // Reset to beginning without animation
   currentSlide = 0;
   slideshow.style.transition = 'none';
   slideshow.style.transform = 'translateX(0)';
   // Force reflow
   slideshow.offsetHeight;
   // Restore transition for next slide
   slideshow.style.transition = 'transform .5s ease';
   // Update dots after resetting
   updateDots();
   // Restart autoplay
   startAutoplay();
   // Remove this event listener
```

```
slideshow.removeEventListener('transitionend', resetPositionHandler);
  };
  slideshow.addEventListener('transitionend', resetPositionHandler, {once: true});
 }
 // Force reflow if not animating
 if (!animate) {
  slideshow.offsetHeight;
  slideshow.style.transition = 'transform .5s ease';
 }
}
// Function to go to a specific slide
function goToSlide(index, animate = true) {
 if (isMobile()) {
  // For mobile: ALWAYS continuous right sliding
  if (index >= totalSlides) {
   // Add a temporary clone to continue the rightward motion
    const firstClone = slidesArray[0].cloneNode(true);
    firstClone.classList.add('temp-clone');
    slideshow.appendChild(firstClone);
    // Let the animation to the clone complete
    currentSlide = index;
    updateSlidePosition(true);
    // After animation completes, instantly jump back to the first slide
    setTimeout(() => {
     // Remove the temporary clone
     slideshow.removeChild(firstClone);
     // Jump back to first slide without animation
     currentSlide = 0;
     updateSlidePosition(false);
    }, 500); // Match transition time
    return; // Exit early since we handled the animation separately
  } else if (index < 0) {
    // When going back from first slide on mobile
    currentSlide = totalSlides - 1;
  } else {
    currentSlide = index;
  }
 } else {
  // For desktop: Always use continuous sliding approach (simplified)
  if (index < 0) {
    currentSlide = totalSlides - slidesPerView;
  } else {
```

```
currentSlide = index;
}
updateSlidePosition(animate);
 // Function to go to next slide
 function nextSlide() {
  if (slideByOne) {
   // Slide by one image
   goToSlide(currentSlide + 1);
  } else {
   // Slide by group (slidesPerView)
   goToSlide(currentSlide + slidesPerView);
 }
 // Function to go to previous slide
 function prevSlide() {
  if (slideByOne) {
   // Slide by one image
   goToSlide(currentSlide - 1);
  } else {
   // Slide by group (slidesPerView)
   goToSlide(currentSlide - slidesPerView);
 }
 // Create dots based on visible slides
 function createDots() {
  if (!{{ section.settings.show_dots }}) return;
  const dotsContainer = document.guerySelector('.slide-dots');
  dotsContainer.innerHTML = "; // Clear existing dots
  // If sliding by one, create a dot for each slide
  // If sliding by group, create a dot for each complete group
  const totalDots = slideByOne ?
   totalSlides:
   Math.ceil(totalSlides / slidesPerView);
  for (let i = 0; i < totalDots; i++) {
    const dot = document.createElement('div');
    dot.className = 'slide-dot';
```

```
const dotIndex = slideByOne ? i : i * slidesPerView;
  dot.addEventListener('click', function() {
   goToSlide(dotIndex);
  });
  dotsContainer.appendChild(dot);
 }
 updateDots();
// Update dots active state
function updateDots() {
 if (!{{ section.settings.show_dots }}) return;
 const dots = document.querySelectorAll('.slide-dot');
 dots.forEach((dot, i) => {
  if (slideByOne) {
   // When sliding by one, each dot represents one slide
   // For mobile with clone slide, use modulo to loop around
   let activeDotIndex = isMobile() ? currentSlide % totalSlides : currentSlide;
   dot.classList.toggle('active', i === activeDotIndex);
  } else {
   // When sliding by group, each dot represents a group
   let currentGroup = Math.floor(currentSlide / slidesPerView);
   // For mobile with clone slide, use modulo
   if (isMobile() && currentGroup >= Math.ceil(totalSlides / slidesPerView)) {
     currentGroup = 0;
   }
   dot.classList.toggle('active', i === currentGroup);
});
// Set up autoplay if enabled
let autoplayInterval;
function startAutoplay() {
 if (autoplaySpeed > 0) {
  stopAutoplay();
  autoplayInterval = setInterval(nextSlide, autoplaySpeed);
}
}
```

```
function stopAutoplay() {
 if (autoplayInterval) {
  clearInterval(autoplayInterval);
}
}
// Set up arrow navigation
if ({{ section.settings.show_arrows }}) {
 document.querySelector('.next-arrow').addEventListener('click', function() {
  nextSlide();
  stopAutoplay();
  startAutoplay();
 });
 document.querySelector('.prev-arrow').addEventListener('click', function() {
  prevSlide();
  stopAutoplay();
  startAutoplay();
});
}
// Initialize the slideshow
function initSlideshow() {
 // Ensure all images are loaded before initializing dimensions
 const allImages = Array.from(slideshow.querySelectorAll('img'));
 let loadedImages = 0;
 // Function to check if all images are loaded
 const checkImagesLoaded = function() {
  loadedImages++;
  if (loadedImages >= allImages.length) {
   // All images are loaded, now initialize dimensions
   updateDimensions();
   createDots();
   startAutoplay();
  }
 };
 // If there are no images, initialize directly
 if (allImages.length === 0) {
  updateDimensions();
  createDots();
  startAutoplay();
```

```
} else {
 // Wait for all images to load
 allImages.forEach(img => {
  if (img.complete) {
   checkImagesLoaded();
  } else {
   img.addEventListener('load', checkImagesLoaded);
   // Also handle error case to prevent initialization getting stuck
   img.addEventListener('error', checkImagesLoaded);
  }
 });
 // Fallback timer to ensure initialization even if images fail to load
 setTimeout(function() {
  if (loadedImages < allImages.length) {
   console.log('Fallback: Some images not loaded, initializing anyway');
   updateDimensions();
   createDots();
   startAutoplay();
}, 3000); // 3 second fallback
// Handle window resize
window.addEventListener('resize', function() {
 updateDimensions();
});
// Add touch/swipe support for mobile
let touchStartX = 0;
let touchEndX = 0;
slideshow.addEventListener('touchstart', function(e) {
 touchStartX = e.changedTouches[0].screenX;
 stopAutoplay();
}, { passive: true });
slideshow.addEventListener('touchend', function(e) {
 touchEndX = e.changedTouches[0].screenX;
 handleSwipe();
 startAutoplay();
}, { passive: true });
function handleSwipe() {
```

```
const touchDiff = touchStartX - touchEndX;
     // If swipe distance is significant enough (at least 30px)
     if (Math.abs(touchDiff) > 30) {
      if (touchDiff > 0) {
       // Swipe left - go to next slide
       nextSlide();
      } else {
       // Swipe right - go to previous slide
       prevSlide();
      }
    }
   }
   // Add mouse drag support for desktop
   let isDragging = false;
   let dragStartX = 0;
   let dragEndX = 0;
   slideshow.addEventListener('mousedown', function(e) {
     isDragging = true;
     dragStartX = e.clientX;
     stopAutoplay();
     // Prevent text selection during drag
     e.preventDefault();
   });
   document.addEventListener('mousemove', function(e) {
     if (!isDragging) return;
     // Calculate drag distance
     const dragDiff = dragStartX - e.clientX;
     // Apply temporary drag movement
     slideshow.style.transition = 'none';
     slideshow.style.transform = `translateX(-${currentSlide * (slideWidth + slideMargin) +
dragDiff\px)\;
   });
   document.addEventListener('mouseup', function(e) {
     if (!isDragging) return;
     dragEndX = e.clientX;
```

```
isDragging = false;
   // Calculate drag distance
   const dragDiff = dragStartX - dragEndX;
   // If drag distance is significant enough (at least 50px or 10% of slide width)
   if (Math.abs(dragDiff) > Math.max(50, slideWidth * 0.1)) {
     if (dragDiff > 0) {
      // Dragged left - go to next slide
      nextSlide();
     } else {
      // Dragged right - go to previous slide
      prevSlide();
    }
   } else {
    // If drag wasn't far enough, snap back to current slide
     updateSlidePosition();
   }
   startAutoplay();
  });
  // Stop dragging if mouse leaves the window
  document.addEventListener('mouseleave', function() {
   if (isDragging) {
     isDragging = false;
     updateSlidePosition();
     startAutoplay();
   }
 });
 }
 // Pause autoplay when user hovers over slideshow
 slideshow.closest('.custom-slideshow-container').addEventListener('mouseenter', function() {
  stopAutoplay();
});
 slideshow.closest('.custom-slideshow-container').addEventListener('mouseleave', function() {
  startAutoplay();
});
 // Initialize everything when DOM is fully loaded
 initSlideshow();
});
```



Final Required Fixes for Slideshow Implementation (Desktop & Mobile)

| The latest revision of the code received (included below) almost works as expected, but |
|---|
| two major issues remain. These must be corrected precisely as described. No unnecessary |
| logic, no misinterpretations, no deviations. |

Code Received:

(Full code is included below.)

Issues That Must Be Fixed

1. Left Arrow & Dragging Malfunction

- On desktop (when there are fewer than 8 images), dragging left only works up until
 the last image is reached. Instead of allowing the user to keep scrolling backward, it
 jumps back to the first 4 images automatically.
- On mobile, dragging works but only until the last image is reached, at which point the slideshow resets incorrectly instead of behaving as a continuous scroll (as it should).
- The left arrow must always navigate left. Right now, when fewer than 8 images exist, pressing the left arrow still causes the slideshow to move right in certain conditions. This must not happen.

2. Incorrect Initial Image Set on Desktop (<8 Images)

- When there are fewer than 8 images, the slideshow incorrectly starts by showing the last set of photos first instead of starting with the first 4 images.
- The correct expected behavior:
 - It should start by showing the first 4 images.
 - It should slide one by one until reaching the last image.
 - Only after the last image has been displayed for its duration should the slideshow automatically jump back to the first 4 images (on desktop).
 - On mobile, it should always scroll continuously to the right with no forced resets.

Final Implementation Requirements (No Further Misinterpretations Allowed)

- The left arrow must always navigate left, across all image counts, on both desktop and mobile.
- ✓ **Dragging left must always move left.** The slideshow must allow full backward navigation without resetting unless explicitly instructed.
- No automatic resets or forced jumps to the first set of photos unless explicitly stated.
- The slideshow must always start with the first 4 images on desktop when there are fewer than 8 images.
- On mobile, scrolling must always be continuous to the right with no forced resets.

Final Clarification: Ensure Common Sense UI Logic Applies to Mobile

- The same navigation logic applies to mobile.
- Dragging left still needs to go left.
- The left arrow still needs to work.
- Nothing about mobile should override the rules above. The only difference is that mobile scrolling is continuous, and the margins/sizing should adapt accordingly.

It is frustrating that fundamental UI principles must be explicitly spelled out, despite their basic, logical nature. A competent developer—even someone with a minimal understanding of UI/UX, coding, or just common sense—should not need this level of granular explanation. Yet, hours have been wasted breaking down basic concepts that should have been intuitive from the start. Even hours have been wasted trying to explain these concepts to the very thing helping me type this up in language it would understand.

These last two fixes are non-negotiable and must be implemented exactly as described.

See referenced code below.

Updated Code That Requires The Final 2 Revisions

```
{% schema %}
 "name": "Enhanced Slideshow",
 "settings": [
    "type": "range",
   "id": "autoplay_speed",
   "min": 3,
   "max": 9,
   "step": 1,
   "unit": "sec",
   "label": "Change slides every",
    "default": 5
  },
    "type": "range",
   "id": "top_margin",
   "min": 10,
   "max": 100,
   "step": 5,
    "unit": "px",
   "label": "Top margin",
   "default": 30
  },
    "type": "range",
   "id": "bottom_margin",
   "min": 10,
    "max": 100,
   "step": 5,
    "unit": "px",
   "label": "Bottom margin",
   "default": 30
  },
   "type": "range",
    "id": "side_margin",
    "min": 10,
```

```
"max": 100,
  "step": 5,
  "unit": "px",
  "label": "Side margins",
  "default": 40
 },
  "type": "checkbox",
  "id": "show_arrows",
  "label": "Show navigation arrows",
  "default": true
 },
  "type": "checkbox",
  "id": "show_dots",
  "label": "Show pagination dots",
  "default": true
 }
],
"blocks": [
  "type": "slide",
  "name": "Slide",
  "settings": [
     "type": "image_picker",
     "id": "image",
     "label": "Image"
    },
     "type": "url",
     "id": "link",
     "label": "Link",
     "info": "Optional"
    },
     "type": "select",
     "id": "alignment",
     "label": "Image alignment",
     "options": [
        "value": "center",
        "label": "Center"
      },
```

```
"value": "top",
         "label": "Top"
         "value": "bottom",
         "label": "Bottom"
         "value": "left",
         "label": "Left"
         "value": "right",
         "label": "Right"
      "default": "center"
 "presets": [
   "name": "Enhanced Slideshow",
   "category": "Image",
   "blocks": [
      "type": "slide"
      "type": "slide"
      "type": "slide"
      "type": "slide"
{% endschema %}
```

```
<div
 class="enhanced-slideshow-container"
 style="padding-top: {{ section.settings.top_margin }}px; padding-bottom: {{
section.settings.bottom_margin }}px; padding-left: {{ section.settings.side_margin }}px;
padding-right: {{ section.settings.side_margin }}px;"
 data-autoplay-speed="{{ section.settings.autoplay_speed | times: 1000 }}"
 <div class="enhanced-slideshow-wrapper">
  <div class="enhanced-slideshow" id="enhanced-slideshow-{{ section.id }}">
   {% for block in section.blocks %}
     {% if block.type == 'slide' and block.settings.image %}
      <div class="enhanced-slide" {{ block.shopify_attributes }} data-index="{{ forloop.index0</pre>
}}">
       {% if block.settings.link %}
         <a href="{{ block.settings.link }}">
       {% endif %}
       <div class="slide-image-wrapper" style="background-position: {{ block.settings.alignment</pre>
}};">
         <imq
          src="{{ block.settings.image | img_url: 'master' }}"
          alt="{{ block.settings.image.alt | escape }}"
          class="slide-image"
          loading="lazy"
       </div>
       {% if block.settings.link %}
         </a>
       {% endif %}
      </div>
     {% endif %}
   {% endfor %}
  </div>
 </div>
 {% if section.settings.show_arrows %}
  <button class="slide-arrow prev-arrow" aria-label="Previous slide">&#10094;</button>
  <button class="slide-arrow next-arrow" aria-label="Next slide">&#10095:</button>
 {% endif %}
 {% if section.settings.show dots %}
  <div class="slide-dots"></div>
 {% endif %}
</div>
```

```
<style>
 .enhanced-slideshow-container {
  width: 100%;
  max-width: 100%;
  overflow: hidden;
  margin: 0 auto;
  position: relative;
 }
 .enhanced-slideshow-wrapper {
  width: 100%;
  overflow: hidden;
 }
 .enhanced-slideshow {
  display: flex;
  transition: transform 0.5s ease;
  will-change: transform;
 }
 .enhanced-slide {
  flex-shrink: 0;
  box-sizing: border-box;
 }
 /* Desktop styles - Exactly 4 slides at a time with 70px spacing */
 @media screen and (min-width: 768px) {
  .enhanced-slide {
   width: calc(25% - 52.5px); /* Exactly 25% minus proportional spacing */
   margin-right: 70px; /* Exactly 70px spacing as requested */
  }
  /* Remove right margin from the last visible slide (when not using clones) */
  .enhanced-slide:nth-child(4n) {
   margin-right: 70px; /* Keep consistent spacing for all slides */
  }
 }
 /* Mobile styles - 1 slide at a time with no spacing */
 @media screen and (max-width: 767px) {
  .enhanced-slide {
   width: 100%;
   margin-right: 0;
```

```
}
}
.slide-image-wrapper {
 width: 100%;
 /* Fixed aspect ratio based on 1311×1952 dimensions */
 padding-bottom: 148.89%; /* (1952/1311)*100 = 148.89% */
 position: relative;
 overflow: hidden;
}
.slide-image {
 position: absolute;
 top: 0;
 left: 0;
 width: 100%;
 height: 100%;
 object-fit: contain; /* Maintain exact dimensions */
 border-radius: 0; /* No rounded edges */
}
/* Navigation controls */
.slide-arrow {
 position: absolute;
 top: 50%;
 transform: translateY(-50%);
 cursor: pointer;
 z-index: 10;
 background: rgba(255, 255, 255, 0.7);
 width: 40px;
 height: 40px;
 display: flex;
 align-items: center;
 justify-content: center;
 border: none;
 border-radius: 50%;
 font-size: 18px;
}
.prev-arrow {
 left: 10px;
}
.next-arrow {
```

```
right: 10px;
 }
 /* Pagination dots */
 .slide-dots {
  display: flex;
  justify-content: center;
  margin-top: 15px;
 }
 .slide-dot {
  width: 10px;
  height: 10px;
  background: #ccc;
  border-radius: 50%;
  margin: 0 5px;
  cursor: pointer;
  transition: background-color 0.3s ease;
 }
 .slide-dot.active {
  background: #333;
 }
 /* Clone slides for seamless looping */
 .enhanced-slide.clone {
  opacity: 1; /* Make sure clones are fully visible */
}
</style>
<script>
 document.addEventListener('DOMContentLoaded', function() {
  const slideshowContainers = document.querySelectorAll('.enhanced-slideshow-container');
  slideshowContainers.forEach(container => {
   const slideshow = container.querySelector('.enhanced-slideshow');
   const slidesNodeList = container.querySelectorAll('.enhanced-slide');
   const slidesArray = Array.from(slidesNodeList);
   const totalOriginalSlides = slidesArray.length;
   // Exit if no slides
   if (totalOriginalSlides === 0) return;
   // Get configuration
```

```
const autoplaySpeed = parseInt(container.dataset.autoplaySpeed, 10) || 5000;
const showDots = container.querySelector('.slide-dots') !== null;
const showArrows = container.querySelectorAll('.slide-arrow').length > 0;
// Set up state variables
let currentSlide = 0:
let slidesPerView = 4; // Default for desktop
let slideWidth = 0;
let slideMargin = 70; // Default desktop margin
let isAnimating = false;
let isDragging = false;
let dragStartX = 0;
let dragDistance = 0;
let autoplayInterval;
let slideClones = [];
// Helper functions
const isMobile = () => window.innerWidth < 768;
// Function to create clone slides for seamless looping
function createClones() {
 // Remove any existing clones first
 container.querySelectorAll('.enhanced-slide.clone').forEach(clone => {
  slideshow.removeChild(clone);
 });
 slideClones = [];
 if (isMobile()) {
  // For mobile: Create clones for continuous rightward scrolling
  // Clone the first slide and add it to the end
  const firstSlideClone = slidesArray[0].cloneNode(true);
  firstSlideClone.classList.add('clone');
  slideshow.appendChild(firstSlideClone);
  slideClones.push(firstSlideClone);
 } else {
  // For desktop: Create enough clones for seamless looping
  // We need to clone at least 4 slides (one full view) for desktop
  for (let i = 0; i < slidesPerView; i++) {
   const clone = slidesArray[i].cloneNode(true);
   clone.classList.add('clone');
   slideshow.appendChild(clone);
   slideClones.push(clone);
  }
```

```
// Also clone the last few slides and add them to the beginning
      // This allows backwards looping when < 8 slides
      if (totalOriginalSlides < 8) {
       for (let i = totalOriginalSlides - 1; i >= Math.max(0, totalOriginalSlides - slidesPerView);
i--) {
         const clone = slidesArray[i].cloneNode(true);
         clone.classList.add('clone', 'prepend-clone');
         slideshow.prepend(clone);
         slideClones.push(clone);
       // Adjust the starting position to show the original first slide
       currentSlide = slidesPerView;
    }
   }
   // Calculate and update slide dimensions
    function updateDimensions() {
     // Determine if we're on mobile or desktop
     slidesPerView = isMobile() ? 1 : 4;
     // Re-create clones for the current viewport
     createClones();
     // Calculate slide width based on container width
     const containerWidth =
container.querySelector('.enhanced-slideshow-wrapper').offsetWidth;
     if (isMobile()) {
      slideWidth = containerWidth;
      slideMargin = 0;
     } else {
      slideMargin = 70; // Fixed 70px spacing for desktop
      slideWidth = (containerWidth - (slidesPerView - 1) * slideMargin) / slidesPerView;
     }
     // Update the position without animation
     updateSlidePosition(false);
     // Update dots to reflect current state
     updateDots();
```

```
// Update slide position
function updateSlidePosition(animate = true) {
 if (isAnimating) return;
 // Get all slides including clones
 const allSlides = slideshow.querySelectorAll('.enhanced-slide');
 const totalSlides = allSlides.length;
 // Calculate the exact translation distance
 const translateX = currentSlide * (slideWidth + slideMargin);
 // Apply the transform with or without animation
 slideshow.style.transition = animate ? 'transform 0.5s ease' : 'none';
 slideshow.style.transform = `translateX(-${translateX}px)`;
 // Handle loop logic for seamless transitions
 if (animate) {
  isAnimating = true;
  // Set up a listener for transition end
  const handleTransitionEnd = () => {
    isAnimating = false;
    slideshow.removeEventListener('transitionend', handleTransitionEnd);
    // Handle looping logic
    if (isMobile()) {
     // For mobile: Always scroll right and loop back to first slide
     if (currentSlide >= totalOriginalSlides) {
      currentSlide = 0:
      slideshow.style.transition = 'none';
      slideshow.style.transform = `translateX(0)`;
      // Force reflow
      void slideshow.offsetWidth;
      slideshow.style.transition = 'transform 0.5s ease';
     }
   } else {
     // For desktop: Handle both directions
     if (totalOriginalSlides >= 8) {
      // For 8+ slides: continuous rightward scrolling
      if (currentSlide >= totalOriginalSlides) {
       currentSlide = 0;
       slideshow.style.transition = 'none';
       slideshow.style.transform = `translateX(0)`;
       // Force reflow
```

```
void slideshow.offsetWidth:
           slideshow.style.transition = 'transform 0.5s ease';
          }
         } else {
          // For <8 slides: left/right both supported
          // If we went beyond the original slides (into the ending clones)
          if (currentSlide >= totalOriginalSlides) {
           currentSlide = 0;
           slideshow.style.transition = 'none';
           slideshow.style.transform = `translateX(0)`;
           // Force reflow
           void slideshow.offsetWidth;
           slideshow.style.transition = 'transform 0.5s ease';
          // If we went before the original slides (into the beginning clones)
          else if (currentSlide < 0) {
           currentSlide = totalOriginalSlides - 1;
           slideshow.style.transition = 'none';
           slideshow.style.transform = `translateX(-${currentSlide * (slideWidth +
slideMargin) px);
           // Force reflow
           void slideshow.offsetWidth;
           slideshow.style.transition = 'transform 0.5s ease';
          }
        }
       // Update dots after position correction
       updateDots();
      };
      slideshow.addEventListener('transitionend', handleTransitionEnd, { once: true });
     } else {
      // If not animating, restore the transition immediately
      void slideshow.offsetWidth; // Force reflow
      slideshow.style.transition = 'transform 0.5s ease';
     }
     // Update dots to reflect current state
     updateDots();
   // Go to a specific slide
   function goToSlide(index, animate = true) {
```

```
if (isAnimating) return;
 if (isMobile()) {
  // For mobile: Only allow forward movement
  if (index < currentSlide && index !== 0) {
   // To go backward on mobile, we loop around through the clone
    index = totalOriginalSlides;
 } else if (totalOriginalSlides < 8) {
  // For desktop with <8 slides: Support both directions
  if (index < 0) {
   index = totalOriginalSlides - 1;
  } else if (index >= totalOriginalSlides) {
    index = 0;
  }
 } else {
  // For desktop with 8+ slides: Always rightward
  if (index < currentSlide && index !== 0) {
   // To go backward when 8+ slides, we loop around (similar to mobile)
   index = totalOriginalSlides;
  }
 currentSlide = index;
 updateSlidePosition(animate);
}
// Move to next slide
function nextSlide() {
 goToSlide(currentSlide + 1);
}
// Move to previous slide
function prevSlide() {
 if (isMobile() || totalOriginalSlides >= 8) {
  // For mobile or desktop with 8+ slides:
  // To go backward, we need to go forward to the clone
  goToSlide(totalOriginalSlides);
 } else {
  // For desktop with <8 slides: Can go backward directly
  goToSlide(currentSlide - 1);
 }
```

```
// Create pagination dots
function createDots() {
 if (!showDots) return;
 const dotsContainer = container.guerySelector('.slide-dots');
 dotsContainer.innerHTML = "; // Clear existing dots
 // Create one dot per original slide
 for (let i = 0; i < totalOriginalSlides; i++) {
  const dot = document.createElement('div');
  dot.className = 'slide-dot';
  dot.addEventListener('click', function() {
    stopAutoplay();
   goToSlide(i);
    startAutoplay();
  });
  dotsContainer.appendChild(dot);
 }
 updateDots();
// Update dots to reflect current state
function updateDots() {
 if (!showDots) return;
 const dots = container.querySelectorAll('.slide-dot');
 dots.forEach((dot, i) => {
  // Calculate which dot should be active
  // For cloned slides, map back to the original slide
  let activeDotIndex = currentSlide;
  if (activeDotIndex >= totalOriginalSlides) {
    activeDotIndex = activeDotIndex % totalOriginalSlides;
  } else if (activeDotIndex < 0) {
    activeDotIndex = totalOriginalSlides + (activeDotIndex % totalOriginalSlides);
  }
  dot.classList.toggle('active', i === activeDotIndex);
});
}
// Setup autoplay
function startAutoplay() {
 if (autoplaySpeed > 0) {
```

```
stopAutoplay();
  autoplayInterval = setInterval(nextSlide, autoplaySpeed);
}
function stopAutoplay() {
 if (autoplayInterval) {
  clearInterval(autoplayInterval);
}
// Setup navigation arrows
if (showArrows) {
 const nextArrow = container.querySelector('.next-arrow');
 const prevArrow = container.querySelector('.prev-arrow');
 nextArrow.addEventListener('click', function() {
  stopAutoplay();
  nextSlide();
  startAutoplay();
 });
 prevArrow.addEventListener('click', function() {
  stopAutoplay();
  prevSlide();
  startAutoplay();
});
}
// Setup touch/swipe support
function setupTouchEvents() {
 let touchStartX = 0;
 let touchEndX = 0;
 slideshow.addEventListener('touchstart', function(e) {
  if (isAnimating) return;
  touchStartX = e.changedTouches[0].screenX;
  stopAutoplay();
 }, { passive: true });
 slideshow.addEventListener('touchmove', function(e) {
  if (isAnimating) return;
  const touchMoveX = e.changedTouches[0].screenX;
  const diff = touchStartX - touchMoveX;
```

```
// Apply temporary drag movement
      slideshow.style.transition = 'none';
      slideshow.style.transform = `translateX(-${currentSlide * (slideWidth + slideMargin) +
diff{px)`;
    }, { passive: true });
     slideshow.addEventListener('touchend', function(e) {
      if (isAnimating) return;
      touchEndX = e.changedTouches[0].screenX;
      const touchDiff = touchStartX - touchEndX;
      // If swipe distance is significant enough
      if (Math.abs(touchDiff) > 30) {
       if (touchDiff > 0) {
        // Swipe left - next slide
         nextSlide();
       } else {
        // Swipe right - previous slide
         prevSlide();
      } else {
       // If swipe wasn't far enough, snap back
       updateSlidePosition();
      }
      startAutoplay();
    }, { passive: true });
   }
   // Setup mouse drag support
   function setupMouseDragEvents() {
     slideshow.addEventListener('mousedown', function(e) {
      if (isAnimating) return;
      isDragging = true;
      dragStartX = e.clientX;
      dragDistance = 0;
      stopAutoplay();
      // Prevent text selection during drag
      e.preventDefault();
    });
     document.addEventListener('mousemove', function(e) {
```

```
if (!isDragging) return;
      // Calculate drag distance
      dragDistance = dragStartX - e.clientX;
      // Apply temporary drag movement
      slideshow.style.transition = 'none';
      slideshow.style.transform = `translateX(-${currentSlide * (slideWidth + slideMargin) +
dragDistance}px)`;
     });
     document.addEventListener('mouseup', function(e) {
      if (!isDragging) return;
      isDragging = false;
      // If drag distance is significant enough
      if (Math.abs(dragDistance) > Math.max(50, slideWidth * 0.1)) {
       if (dragDistance > 0) {
        // Dragged left - next slide
         nextSlide();
       } else {
        // Dragged right - previous slide
         prevSlide();
      } else {
       // If drag wasn't far enough, snap back
       updateSlidePosition();
      }
      startAutoplay();
     });
     // Stop dragging if mouse leaves the window
     document.addEventListener('mouseleave', function() {
      if (isDragging) {
       isDragging = false;
       updateSlidePosition();
       startAutoplay();
      }
    });
   }
   // Pause autoplay on hover
```

```
container.addEventListener('mouseenter', function() {
 stopAutoplay();
});
container.addEventListener('mouseleave', function() {
 startAutoplay();
});
// Initialize the slideshow
function initSlideshow() {
 // Ensure all images are loaded before calculating dimensions
 const allImages = Array.from(slideshow.querySelectorAll('img'));
 let loadedImages = 0;
 const checkImagesLoaded = function() {
  loadedImages++;
  if (loadedImages >= allImages.length) {
   // All images loaded, initialize dimensions
   updateDimensions();
   createDots();
   setupTouchEvents();
   setupMouseDragEvents();
   startAutoplay();
  }
 };
 // If no images, initialize directly
 if (allImages.length === 0) {
  updateDimensions();
  createDots();
  setupTouchEvents();
  setupMouseDragEvents();
  startAutoplay();
 } else {
  // Wait for images to load
  allImages.forEach(img => {
   if (img.complete) {
     checkImagesLoaded();
   } else {
     img.addEventListener('load', checkImagesLoaded);
    // Handle error case
    img.addEventListener('error', checkImagesLoaded);
  });
```

```
// Fallback initialization
      setTimeout(function() {
       if (loadedImages < allImages.length) {
        console.log('Fallback: Some images not loaded, initializing anyway');
        updateDimensions();
        createDots();
        setupTouchEvents();
        setupMouseDragEvents();
        startAutoplay();
       }
     }, 3000);
    // Handle window resize
    window.addEventListener('resize', function() {
      // Debounce the resize event
      clearTimeout(window.resizeTimer);
      window.resizeTimer = setTimeout(function() {
       updateDimensions();
     }, 250);
    });
   }
   // Start initialization
   initSlideshow();
  });
});
</script>
```