Two-Stage Image Workflow - Visual Diagram

CONTENT CREATOR PRO v5.2
TWO-STAGE IMAGE WORKFLOW

USER UPLOADS IMAGE
(Drag/Drop/Paste/Click)

IMAGE ANALYSIS   VISUAL INDICATORS

- Extract colors   - Green banner shows
- Analyze brightness   - Thumbnail preview
- Detect temperature   - "Clear Image" button
- Assess mood   - Button text changes

STAGE 1 (QUICK)   STAGE 2 (CUSTOM)

4 Prompt Variations: User Customizes:

1 Exact Match   - Platform (IG/FB/Pin)
2 Inspired   - Season (Dec/Feb/etc)
3 Premium Elevated   - Audience (Gifts/Corp)
4 CHoJ Branded   - Style (Photo/Life)
                              - Category
Each has: - Product name
- Copy button   - Special notes
- Use button

Click "Use"   Click "Generate"

Uses EXACT variation   buildImagePromptWith
prompt as-is   UploadedImage()

- No customization   Combines:
- Instant result   - Image analysis
- Best for quick use   - User controls
                    - Platform specs
                        - Seasonal elements
                        - Audience targeting

GENERATE CONTENT

- AI Image Prompt
- 10 Social Captions
- Hashtags
- CTAs
- Platform optimized

DETAILED WORKFLOW PATHS

PATH A: QUICK VARIATIONS (Stage 1 Only)

User Journey:
1. Upload image (chocolate truffles on table)
2. See 4 variations instantly
3. Click "Use" on "CHoJ Branded" variation
4. Get complete content immediately

Time: 30 seconds
Best for: Quick inspiration, testing styles

PATH B: FULL CUSTOMIZATION (Stage 2)

User Journey:
1. Upload image (chocolate truffles on table)
2. See green banner: "Using Uploaded Image"

3. Ignore quick variations
4. Set controls:
   Platform: Instagram Post
   Season: December (Christmas)
   Audience: Gift Buyers
   Style: Lifestyle
   Product: "Holiday Truffle Collection"
5. Click "Generate Content Using Uploaded Image"
6. Get comprehensive prompt + 10 captions

Time: 2 minutes
Best for: Targeted campaigns, seasonal content, audience-specific

PATH C: HYBRID APPROACH

User Journey:
1. Upload image
2. Review quick variations (get ideas)
3. Don't click "Use"
4. Use insights to customize left panel
5. Generate custom content
6. Compare custom vs quick variations

Time: 3 minutes
Best for: Learning, experimentation, comparison

                    TECHNICAL FLOW DIAGRAM

                     FUNCTION CALL FLOW

User uploads image

     > handleImageFile(file)

          > displayImagePreview(imageData)

               > showImageModeBanner(imageData)   v5.2

                    > Show green banner

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                                    > Update thumbnail
                                    > Change button text

                       > Show "Analyzing..." state

            > analyzeImage(imageData)

                      > analyzeImageWithAI(imageData)

                             > extractDominantColors()
                             > analyzeBrightness()
                             > analyzeColorTemperature()
                             > Build analysis object

                      > Store in currentAnalysis
                      > displayAnalysis(analysis)
                      > generatePromptVariations(analysis)

                             > Create 4 variations

      > Ready for user action


User clicks "Generate" (Stage 2)

      > generateContent()

            > getOptions() from left panel

            > buildImagePrompt(options)

                    > Check: window.selectedImagePrompt?
                       > YES: Return variation (Stage 1)
                       > NO: Continue

                    > Check: currentAnalysis exists?   v5.2
                       > YES: buildImagePromptWithUploadedImage()

                              > Get image analysis data
                              > Get user options
                              > Combine intelligently
                              > Return comprehensive prompt

                       > NO: Build generic prompt

                    > Return prompt object

            > buildSocialMediaCopy(options)
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                        > Generate 10 captions with hashtags

            > displayContent(imagePrompt, socialPosts, options)

                        > Show "Using Your Image" badge   v5.2
                        > Display AI prompt
                        > Display 10 social posts

    > Content ready!


User clicks "Use" on variation (Stage 1)

    > sendToGenerator(index)

            > Store variation in window.selectedImagePrompt
            > Call generateContent()

                    > buildImagePrompt() sees selectedImagePrompt

                            > Returns that exact variation

            > Clear selectedImagePrompt after use

    > Content ready!


User clicks "Clear Image"

    > clearUploadedImage()   v5.2

            > Confirm with user
            > Clear currentImageData
            > Clear currentAnalysis
            > Hide banner
            > Reset button text
            > Hide analysis results

    > Ready for fresh upload or generic generation



                        STATE MANAGEMENT
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GLOBAL STATE VARIABLES

currentImageData   Image base64 data
currentAnalysis   Analysis object (colors, brightness, etc)
generatedVariations[]   Array of 4 quick variations
window.selectedImagePrompt Variation selected via "Use" button

State Transitions:

NO IMAGE STATE
  currentImageData: null
  currentAnalysis: null
  Banner: Hidden
  Button: "Generate Complete Content"
  Behavior: Generic prompts

      (Upload image)

IMAGE UPLOADED STATE (Stage 2 Ready)   v5.2
  currentImageData: <base64>
  currentAnalysis: <object>
  Banner: Visible (green)
  Button: "Generate Content Using Uploaded Image"
  Behavior: Use image + controls

      (Click "Use" on variation)

VARIATION SELECTED STATE (Stage 1)
  window.selectedImagePrompt: <string>
  Banner: Still visible
  Button: Normal
  Behavior: Use exact variation, ignore controls

      (Generate completes)

GENERATED STATE
  Previous state maintained
  Output shown
  Can regenerate or clear

      (Click "Clear Image")

NO IMAGE STATE (reset to start)

                        KEY DECISION POINTS

buildImagePrompt() Decision Tree:

  Is window.selectedImagePrompt set?
    YES → Return that exact prompt (Stage 1 path)
    NO → Continue

      Is currentAnalysis AND currentImageData present?   v5.2
        YES → buildImagePromptWithUploadedImage()
                 (Stage 2 path – NEW FEATURE)
        NO → Build generic chocolate prompt

Legend:
  – New in v5.2
  – Key new function
  – Checkbox/confirmation