Visual AI Platform - Prototype Design Scenarios

منصة البحث البصري - سيناريوهات التصميم النموذجي

Overview | نظرة عامة

This document provides step-by-step prototype scenarios demonstrating the key user journeys in the Visual AI Platform. Each scenario includes detailed descriptions of the user interface, interactions, and expected outcomes.

Scenario 1: Visual Search Journey

السيناريو 1: رحلة البحث البصري

Step 1.1: Landing Page

Screen: Home Page **URL:** `/`

Description:

- User arrives at the Visual AI Platform homepage
- Hero section displays "تسوّق من الصورة" (Shop from Image) headline
- Prominent "ابدأ البحث البصري" (Start Visual Search) CTA button

- Three feature cards highlighting: Visual Search, AI Store Creation, 24-Hour Settlement

User Action: Click "ابدأ البحث البصري" button

Step 1.2: Visual Search Interface

Screen: Visual Search Page **URL:** `/visual-search`

Description:

- Three input methods displayed:
    1. **رفع صورة** (Upload Image) - File picker for device storage
    2. **التقاط صورة** (Capture Photo) - Camera access for mobile/webcam
    3. **رابط الصورة** (Image URL) - Text input for pasting image URLs

- Drag-and-drop zone for easy image upload
- Sample search images shown for inspiration

User Action: Upload a product image (e.g., a handbag photo)

Step 1.3: AI Analysis in Progress

Screen: Visual Search Page (Processing State)

Description:

- Uploaded image displayed with processing overlay
- AI analysis progress indicator showing:
    - "جاري تحليل الصورة···" (Analyzing image…)
    - Progress bar animation

- Real-time status updates:
    - استخراج الألوان ✓ (Color extraction)
    - تحديد الفئة ✓ (Category identification)
    - مطابقة المنتجات ⏳ (Product matching)

Duration: < 3 seconds (performance requirement)

Step 1.4: Search Results Display

Screen: Visual Search Results **URL:** `/visual-search?results=true`

Description:

- Original uploaded image shown in sidebar
- AI-extracted attributes displayed:
  - **اللون:** بني (Color: Brown)
  - **الفئة:** حقائب يد (Category: Handbags)
  - **النمط:** كلاسيكي (Style: Classic)
  - **نسبة التطابق:** 94% (Match confidence: 94%)
- Grid of matching products (12-24 items)
- Each product card shows:
  - Product image
  - Store name
  - Price in SAR
  - Similarity percentage badge

Filter Options:

- Price range slider (SAR 0 - 5000)
- Color filter (extracted colors)
- Store filter (checkbox list)
- Sort by: Similarity | Price Low-High | Price High-Low | Newest

User Action: Click on a product to view details

Step 1.5: Product Detail Page

Screen: Product Detail **URL:** `/product/{productId}`

Description:

- Large product image gallery with zoom
- Product title in Arabic
- Price with currency (SAR)
- AI-generated description (Arabic - Saudi dialect option)
- Store information with rating
- "أضف إلى السلة" (Add to Cart) button
- "اشتر الآن" (Buy Now) button
- Related products section (AI-recommended)

User Action: Add to cart or proceed to checkout

Scenario 2: Merchant Store Creation (< 1 Hour)

السيناريو 2: إنشاء متجر التاجر (أقل من ساعة)

Step 2.1: Merchant Registration

Screen: Merchant Registration **URL:** `/merchant/register`

Description:

- Registration form fields:
  - الاسم الكامل (Full Name)
  - البريد الإلكتروني (Email)
  - رقم الجوال (Mobile Number)
  - اسم النشاط التجاري (Business Name)
  - السجل التجاري (Commercial Registration - optional)
- Terms and conditions checkbox
- "إنشاء حساب" (Create Account) button

User Action: Complete registration form and submit

Step 2.2: Store Setup Wizard - Step 1: Basic Info

Screen: Store Setup - Basic Information **URL:** `/merchant/setup/basic`

Description:

- Progress indicator: Step 1 of 4
- Form fields:
    - اسم المتجر (Store Name)
    - وصف المتجر (Store Description)
    - فئة النشاط (Business Category) - dropdown
    - رفع الشعار (Upload Logo)
- AI suggestion: "هل تريد أن يقوم الذكاء الاصطناعي بإنشاء وصف احترافي؟" (Would you like AI to generate a professional description?)

User Action: Enter store name, upload logo, click "التالي" (Next)

Step 2.3: Store Setup Wizard - Step 2: Product Upload

Screen: Store Setup - Product Upload **URL:** `/merchant/setup/products`

Description:

- Progress indicator: Step 2 of 4
- Bulk upload zone: "اسحب وأفلت حتى 50 صورة منتج" (Drag and drop up to 50 product images)
- Upload progress bar
- AI processing status for each image:
    - Thumbnail preview
    - Auto-generated title
    - Auto-extracted category
    - Suggested price

- Edit button for each product to modify AI suggestions

User Action: Upload 10+ product images, review AI suggestions

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Step 2.4: Store Setup Wizard - Step 3: AI Design Generation

Screen: Store Setup - Design Generation **URL:** `/merchant/setup/design`

Description:

- Progress indicator: Step 3 of 4
- AI analyzing uploaded products and logo
- Color palette extraction display:
    - Primary color (from logo)
    - Secondary colors (from products)
    - Accent color (AI suggested)
- Theme preview options (3-5 generated themes):
    - "كلاسيكي أنيق" (Classic Elegant)
    - "عصري جريء" (Modern Bold)
    - "بسيط نظيف" (Minimal Clean)
- Live preview of selected theme

User Action: Select preferred theme, customize colors if needed

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Step 2.5: Store Setup Wizard - Step 4: Domain & Launch

Screen: Store Setup - Domain Configuration **URL:** `/merchant/setup/domain`

Description:

- Progress indicator: Step 4 of 4
- Subdomain input: `[storename].visualai.sa`
- Custom domain option (premium feature)
- SSL certificate status: تم التفعيل تلقائياً ✓

- Final checklist:
  - ✓ معلومات المتجر (Store info)
  - المنتجات ✓ (Products)
  - التصميم ✓ (Design)
  - ✓ النطاق (Domain)
- "إطلاق المتجر" (Launch Store) button

User Action: Confirm subdomain, click launch

Step 2.6: Store Launch Confirmation

Screen: Launch Success **URL:** `/merchant/setup/success`

Description:

- Success animation/confetti
- "تهانينا! متجرك جاهز الآن" (Congratulations! Your store is now live)
- Store URL displayed with copy button
- Quick stats:
  - 15 عدد المنتجات: (Products: 15)
  - وقت الإعداد: 45 دقيقة (Setup time: 45 minutes)
- Action buttons:
  - "زيارة المتجر" (Visit Store)
  - "لوحة التحكم" (Dashboard)
  - "إضافة منتجات" (Add Products)

Scenario 3: Merchant Dashboard & Analytics

السيناريو 3: لوحة تحكم التاجر والتحليلات

Step 3.1: Dashboard Overview

Screen: Merchant Dashboard **URL:** `/merchant/dashboard`

Description:

- Welcome message with merchant name
- Key metrics cards:
  - إجمالي المبيعات اليوم (Today's Sales): SAR 2,450
  - الطلبات الجديدة (New Orders): 12
  - الزوار (Visitors): 156
  - معدل التحويل (Conversion Rate): 7.7%
- Sales chart (last 7 days)
- Recent orders list
- Low stock alerts
- Settlement status widget

Step 3.2: Order Management

Screen: Orders List **URL:** `/merchant/orders`

Description:

- Orders table with columns:
  - رقم الطلب (Order #)
  - العميل (Customer)
  - المنتجات (Products)
  - المبلغ (Amount)

- الحالة (Status)
- التاريخ (Date)
- Status filters: جديد | قيد التجهيز | تم الشحن | مكتمل
- Bulk actions: Update status, Print invoices
- Search and date range filters

Step 3.3: Settlement Tracking

Screen: Settlements **URL:** `/merchant/settlements`

Description:

- Current balance card: SAR 15,750
- Next settlement countdown: "التسوية القادمة خلال 6 ساعات"
- Settlement history table:
  - تاريخ التسوية (Settlement Date)
  - المبلغ (Amount)
  - عدد الطلبات (Orders Count)
  - الحالة (Status)
  - رقم المرجع (Reference #)
- Bank account details (masked)
- Settlement timeline visualization showing 24-hour guarantee

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Scenario 4: AI Drop-shipping Integration

السيناريو 4: تكامل الدروب شيبينج الذكي

Step 4.1: Drop-shipping Dashboard

Screen: AI Drop-shipping **URL:** `/merchant/dropshipping`

Description:

- "البحث عن موردين" (Find Suppliers) search bar
- AI recommendation panel:
  - "منتجات رائجة هذا الأسبوع" (Trending products this week)
  - Product cards with supplier comparison

- Connected platforms status:
  - ✓ Alibaba (متصل)
  - ✓ AliExpress (متصل)
  - ◯ 1688 (غير متصل)

Step 4.2: Supplier Search Results

Screen: Supplier Search **URL:** `/merchant/dropshipping/search?q=handbag`

Description:

- Search query: "حقيبة يد جلدية" (Leather handbag)
- AI-optimized results showing:
  - Supplier name and rating
  - Product image
  - Unit price (USD/SAR)
  - MOQ (Minimum Order Quantity)
  - Shipping time to Saudi Arabia
  - AI Score badge (combining price, quality, speed)

- Sort options:
  - أفضل سعر (Best Price)
  - أسرع توصيل (Fastest Delivery)
  - أعلى تقييم (Highest Rating)
  - توصية الذكاء الاصطناعي (AI Recommended)

Step 4.3: Supplier Comparison

Screen: Compare Suppliers **URL:** `/merchant/dropshipping/compare`

Description:

- Side-by-side comparison table:
    - Supplier A vs Supplier B vs Supplier C

- Comparison metrics:
    - السعر (Price)

    - وقت الشحن (Shipping Time)

    - تقييم الجودة (Quality Rating)

    - معدل الإرجاع (Return Rate)

    - الحد الأدنى للطلب (MOQ)

- AI recommendation highlight:
    - "الذكاء الاصطناعي يوصي بالمورد B: أفضل توازن بين السعر والجودة"

    - (AI recommends Supplier B: Best balance of price and quality)

Scenario 5: Customer Checkout Flow

السيناريو 5: تدفق الدفع للعميل

Step 5.1: Shopping Cart

Screen: Cart **URL:** `/cart`

Description:

- Cart items list:
    - Product image thumbnail

    - Product name

    - Quantity selector

- Unit price
        - Subtotal
        - Remove button
    - Order summary:
        - المجموع الفرعي (Subtotal)
        - الشحن (Shipping)
        - الضريبة (VAT 15%)
        - الإجمالي (Total)
    - Promo code input
    - "متابعة الدفع" (Proceed to Checkout) button

Step 5.2: Checkout - Shipping

Screen: Checkout - Shipping Address **URL:** `/checkout/shipping`

Description:

- Saved addresses list (if logged in)
- New address form:
    - الاسم الكامل (Full Name)
    - رقم الجوال (Mobile)
    - المدينة (City) - dropdown
    - الحي (District)
    - الشارع (Street)
    - رقم المبنى (Building Number)
    - الرمز البريدي (Postal Code)
- Delivery options:
    - توصيل سريع - 1-2 أيام (Express - 1-2 days)
    - توصيل عادي - 3-5 أيام (Standard - 3-5 days)

Step 5.3: Checkout - Payment

Screen: Checkout - Payment Method **URL:** `/checkout/payment`

Description:

- Payment method options:
  - **مدى** (Mada) - Saudi debit cards
  - **فيزا/ماستركارد** (Visa/Mastercard)
  - **Apple Pay** - one-tap payment
  - **تقسيط** (BNPL):
    - قسّمها على 4 - Tabby
    - اشتر الآن وادفع لاحقاً - Tamara
- Card input form (for card payments)
- Order review summary
- "إتمام الطلب" (Complete Order) button

Step 5.4: Order Confirmation

Screen: Order Success **URL:** `/order/confirmation/{orderId}`

Description:

- Success checkmark animation
- "شكراً لطلبك!" (Thank you for your order!)
- Order details:
  - رقم الطلب (Order #): #12345
  - تاريخ الطلب (Order Date)
  - طريقة الدفع (Payment Method)
  - عنوان التوصيل (Delivery Address)
  - الوقت المتوقع للتوصيل (Expected Delivery)
- Action buttons:
  - "تتبع الطلب" (Track Order)

- - "متابعة التسوق" (Continue Shopping)
- Email/SMS confirmation sent notification

Step 5.5: Order Tracking

Screen: Order Tracking **URL:** `/order/track/{orderId}`

Description:

- Order status timeline:
  - ✓ تم استلام الطلب (Order Received)
  - ✓ قيد التجهيز (Processing)
  - ● تم الشحن (Shipped) - current
  - ○ في الطريق (In Transit)
  - ○ تم التوصيل (Delivered)
- Shipping carrier info
- Tracking number with copy button
- Live map showing delivery progress (if available)
- Estimated delivery date/time
- Contact support button

Scenario 6: AI Catalog Generation

السيناريو 6: توليد الكتالوج بالذكاء الاصطناعي

Step 6.1: AI Tools Dashboard

Screen: AI Tools **URL:** `/merchant/ai-tools`

Description:

- AI capabilities overview:

- توليد الأوصاف (Description Generation)
  - استخراج السمات (Attribute Extraction)
  - تحليل الأسعار (Price Analysis)
  - تصنيف المنتجات (Product Categorization)
- Usage statistics:
  - الأوصاف المولدة هذا الشهر: 150
  - الرصيد المتبقي: 350

Step 6.2: Generate Product Description

Screen: AI Description Generator **URL:** `/merchant/ai-tools/descriptions`

Description:

- Product selection (dropdown or search)
- Product image preview
- Language/dialect selection:
  - العربية الفصحى (Fusha Arabic)
  - اللهجة السعودية (Saudi Dialect)
  - English
- Tone selection:
  - رسمي (Formal)
  - ودي (Friendly)
  - تسويقي (Marketing)
- "توليد الوصف" (Generate Description) button

Step 6.3: Generated Description Review

Screen: AI Description Result

Description:

- Original product image

- AI-generated content:
  - **العنوان:** حقيبة يد جلدية فاخرة
  - **الوصف:** (300-200 words in selected dialect)
  - **الكلمات المفتاحية:** حقيبة، جلد، فاخرة، نسائية
  - **الفئة المقترحة:** أزياء > حقائب > حقائب يد
- Edit buttons for each section
- "حفظ وتطبيق" (Save and Apply) button
- "إعادة التوليد" (Regenerate) button

UI/UX Design Guidelines Applied

Color Palette

- **Primary:** #C9A227 (Gold) - CTAs, highlights
- **Secondary:** #0A1628 (Navy) - Headers, backgrounds
- **Accent:** #1E3A5F (Dark Blue) - Cards, sections
- **Success:** #27AE60 (Green) - Confirmations
- **Error:** #E74C3C (Red) - Alerts, errors
- **Text:** #FFFFFF (White), #E8E8E8 (Light Gray)

Typography

- **Arabic:** Noto Sans Arabic, Cairo
- **English:** Inter
- **Headings:** Bold, 24-44px
- **Body:** Regular, 14-16px
- **Captions:** Light, 11-12px

Responsive Breakpoints

- Mobile: 320px - 767px

- Tablet: 768px - 1023px

- Desktop: 1024px+

Accessibility

- RTL layout for Arabic

- Minimum contrast ratio: 4.5:1

- Touch targets: 44x44px minimum

- Screen reader compatible

Performance Requirements

Metric	Target	Measurement
Visual Search Response	< 3 seconds	From image upload to results
Page Load Time	< 2 seconds	First Contentful Paint
Store Setup Time	< 1 hour	End-to-end merchant onboarding
Settlement Processing	< 24 hours	From order completion to payout
AI Description Generation	< 5 seconds	Per product
Uptime	99.9%	Monthly availability

Document Version

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