

□ Qrinto Print Studio — Complete Documentation

Step-by-step guide for Admins, Store Managers, and Customers.

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1. Admin Panel Access

URL: /admin

Login: /login

Role	Access Level
admin	Full access to all stores, products, orders, users, coupons
store_admin	Access limited to their assigned store's orders & products
staff	Read-only access to their store's orders

[!NOTE]

Admin middleware checks `auth() -> user() -> canAccessAdmin()`. Users must have role `admin`, `store_admin`, or `staff`.

2. How to Create a Store

Route: Admin → Stores → Create New Store

URL: /admin/stores/create

Required Fields

Field	Description	Validation
Store Name	Display name (e.g., "Qrinto Downtown")	Required, max 255 chars
Store Code	Unique identifier (e.g., "QR-DT-001")	Required, unique, max 50 chars
Owner Name	Store manager/owner name	Required, max 255 chars
Phone	Contact phone number	Required, max 20 chars
Address	Full street address	Required
City	City name	Required, max 100 chars
State	State/Province	Required, max 100 chars
Zip Code	Postal code	Required, max 20 chars
Printer Type	Printer hardware type	Required: thermal, inkjet, laser, or dot_matrix
Paper Size	Default paper size	Required: A4, A5, Letter, Receipt_80mm, or Receipt_58mm

Optional Fields

Field	Description
Email	Store email address
Country	Country name (set to Canada or CA for CAD currency)

Field	Description
Latitude / Longitude	GPS coordinates for store finder (nearby search)
Opening / Closing Time	Business hours (HH:MM format)
GST Number	Tax registration number
Logo	Store logo image (max 2MB)
Notes	Internal admin notes
Is Active	Toggle store visibility to customers

Step-by-Step

1. Go to **Admin** → **Stores** → click "**Add Store**"
2. Fill in all **required fields** (marked with *)
3. Set **Country** = "**Canada**" if this is a Canadian store (enables CAD pricing)
4. Enter **Latitude & Longitude** so customers can find the store via geolocation
5. *(Optional)* Enter an **Email + Password** to auto-create a `store_admin` user for this store
6. Toggle "**Active**" checkbox to make the store visible
7. Click **Save**

[!IMPORTANT]

Currency is determined by the store's Country field. If country is `Canada`, `CA`, or `CAN`, all prices for that store display in **CAD** (C\$). Otherwise, prices display in **USD** (\$).

Store QR Code

After creation, each store gets a QR code URL:

``/store/{storeCode}`` — Scanning this QR auto-selects the store for the customer.

Managing Store Users

On the **Store Edit** page, scroll to the "**Store Users**" section to:

- Add staff members (role: `staff`, `store_admin`, or `admin`)
- Set passwords and email addresses
- Toggle user active status
- Welcome email is auto-sent on user creation

3. How to Create Product Types & Sizes

Route: Admin → Product Types

URL: /admin/product-types

Product Types use a **parent-child hierarchy**:

- **Parent Type** = Product category (e.g., "Greeting Cards", "Photo Prints")
- **Child Type (Size)** = Size variant with pricing (e.g., "5×7 inch", "4×6 inch")

Creating a Parent Product Type

Field	Description	Required
Name	Type name (e.g., "Greeting Cards")	✓
Title	Display title (optional subtitle)	✗
Icon SVG	SVG markup for the icon	✗
Sort Order	Display ordering (lower = first)	✗
Is Active	Show/hide this type	✗

[!NOTE]

Parent types do **NOT** have prices or dimensions. They are containers for size variants.

Creating a Size (Child Product Type)

Field	Description	Required
Name	Size name (e.g., "5 × 7 inch")	✓
Parent	Select the parent type	✓
Price	Base price in USD	✗
Old Price	Strike-through compare price in USD	✗
Width	Physical width (e.g., 5)	✗

Field	Description	Required
Height	Physical height (e.g., 7)	✗
Unit	Measurement unit (e.g., ", cm, mm)	✗
Sort Order	Display ordering	✗
Is Active	Show/hide this size	✗

Step-by-Step

1. Go to **Admin** → **Product Types**
2. Click "**Add Product Type**"
3. **To create a parent:** Leave "Parent" dropdown empty, enter name + icon SVG
4. **To create a size:** Select a parent from the dropdown, enter name, price, dimensions
5. Click **Save**

How the Hierarchy Works

```
Greeting Cards (Parent)
├── 3.5 × 5 inch → $3.99, Width: 3.5, Height: 5
├── 4 × 6 inch   → $4.99, Width: 4, Height: 6
└── 5 × 7 inch   → $6.99, Width: 5, Height: 7

Photo Prints (Parent)
├── 4 × 6 inch   → $2.99
└── 8 × 10 inch  → $9.99
```

The customer flow is: **Select Type** → **Select Size** → **Choose Template** → **Customize** → **Pay**

4. How to Create Categories

Route: Admin → Categories

URL: /admin/categories

Categories organize **products** (templates/designs) for filtering on the template selection page.

Fields

Field	Description	Required
Name	Category name (e.g., "Birthday", "Wedding")	✓
Parent	Optional parent category for nesting	✗
Description	Category description	✗
Image	Category thumbnail (max 2MB)	✗
Meta Title	SEO title	✗
Meta Description	SEO description	✗
Is Active	Show/hide category	✗

Step-by-Step

1. Go to **Admin** → **Categories**
2. Click "**Add Category**"
3. Enter the **Name** (e.g., "Birthday Cards")
4. *(Optional)* Select a **Parent** category for sub-categories
5. *(Optional)* Upload an **Image** for the category card
6. Check "**Active**" to make it visible
7. Click **Save**

[!WARNING]

Categories with products attached **cannot be deleted**. Remove all products first.

5. How to Create Products

Route: Admin → Products → Add Product

URL: /admin/products/create

Products are the **design templates** customers customize. Each product has card images (frame, sample, background, overlay) that customers can edit.

Required Fields

Field	Description
Name	Product name (e.g., "Happy Birthday Floral Card")
Category	Select from created categories
Base Price	Price in USD (overridden by Product Type size price in customer flow)

Optional Fields

Field	Description
Product Type	Link to a Product Type (determines which sizes are available)
No. of Pages	1 = Single page no mask, 2 = Single page with mask, 4 = Four pages with mask
Short Description	Brief product tagline
Description	Full HTML description
Compare Price	Old/strike-through price for discount display
SKU	Unique stock-keeping unit code
PDF Orientation	portrait or landscape — controls print PDF layout
Frame Image	The main card frame/border design
Sample Image	A sample/preview image showing how it looks
Background Image	The background layer
Overlay Image	Overlay layer (printed on top of customer's photo)
Tags	Searchable tags for filtering
Is Featured	Mark as featured product
Is Active	Show/hide from customer view

Step-by-Step

1. Go to **Admin** → **Products** → click "**Add Product**"
2. Enter the **Name** — this generates the URL slug automatically

3. Select a **Category** (e.g., "Birthday Cards")
4. Select a **Product Type** (e.g., "Greeting Cards") — this links the product to available sizes
5. Set **No. of Pages**:
 - 1 — Single Page without marking area: Customer uploads one image, no mask editor
 - 2 — Single Page with marking area: Customer uploads one image WITH mask-based placement
 - 4 — Four Pages with marking area: Customer edits 4 card faces (Frame, Sample, Background, Overlay)
6. Set **Base Price** (fallback price if no size-specific price exists)
7. Upload **design images**:
 - **Frame Image**: The card frame/border design
 - **Sample Image**: Sample preview showing the design
 - **Background Image**: Background layer
 - **Overlay Image**: Top layer (overlaid on customer's photo)
8. Set **PDF Orientation** to match the card's print layout
9. Toggle **Active** and **Featured** as needed
10. Click **Save**

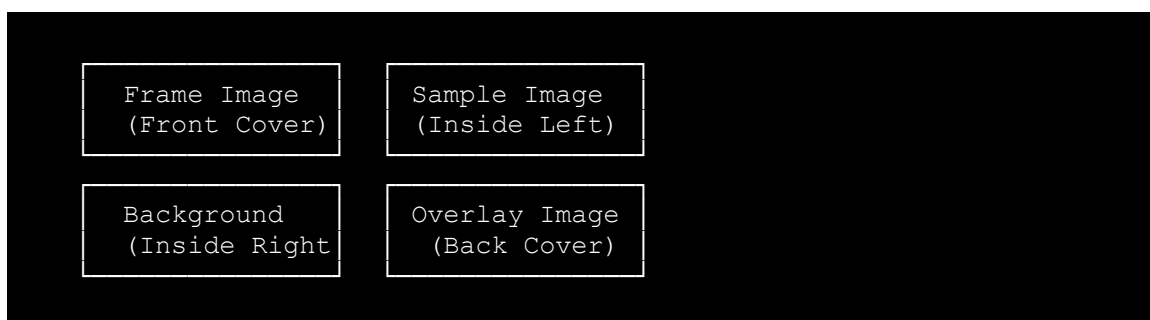
[!TIP]

After saving, you'll be on the Edit page where you can also:

- Add **Option Groups** (e.g., "Paper Type" with values like "Glossy", "Matte")
- Access the **Mask Editor** to define image placement zones

Product Images Explained

For a 4-page card product, the images map to card faces:



Customers can replace any of these images during customization.

6. How to Create a Masking Product

Masking allows you to define **exact zones** on a card design where the customer's photo will be placed. This is essential for products where the photo must fit within a specific cutout shape.

Prerequisites

1. The product must already be **created** (see Section 5)
2. Set **No. of Pages** to 2 (single page with mask) or 4 (four pages with mask)
3. Upload at least one design image (Frame, Sample, Background, or Overlay)

Step-by-Step

1. Go to **Admin** → **Products** → find your product → click **Edit**
2. Click the "**Mask Editor**" button (or go to `/admin/products/{product}/mask`)
3. The Mask Editor opens showing your product's uploaded images
4. **For each image that needs a mask:**
 - Draw rectangles/shapes on the image to define the photo placement zone
 - Adjust the position and size of the mask area
 - The mask data is stored as JSON coordinates
5. Click "**Save Masks**"

How Masks Work

The mask data is stored in the product's `mask_data` JSON field. The customization view reads this data to:

- Show the customer where their photo will be placed
- Clip/position the uploaded photo within the defined zone
- Generate the final composite image with the photo correctly placed inside the mask

No. of Pages vs Mask Behavior

No. of Pages	View Used	Mask Behavior
1	customize-single	No mask — customer uploads a full image
2	customize-single-mask	Single image with mask zones — photo placed within mask
4	customize	Four pages — each page can have independent masks

[!IMPORTANT]

The mask editor saves coordinates relative to the image dimensions. If you change the product images after setting masks, you **must re-configure the masks** to match the new images.

7. How to Create & Manage Coupons

Route: Admin → Coupons

URL: /admin/coupons

Fields

Field	Description	Required
Code	Coupon code (auto-uppercased, e.g., SAVE20)	✓
Type	percentage or fixed	✓
Value	Discount value (e.g., 20 for 20% or \$20)	✓
Min Order Amount	Minimum subtotal required (in USD)	✗
Usage Limit	Max total uses before expiry	✗
Expires At	Expiration date	✗
Is Active	Enable/disable the coupon	✗

Step-by-Step

1. Go to **Admin** → **Coupons** → click "**Create Coupon**"

2. Enter a **Code** (e.g., `WELCOME10`)
3. Select **Type**:
 - `percentage` → Value of `10` = 10% off
 - `fixed` → Value of `5` = \$5.00 off (converted to CAD for Canadian stores)
4. Set the **Value**
5. (Optional) Set **Min Order Amount** (e.g., \$25 minimum)
6. (Optional) Set **Usage Limit** (e.g., max 100 uses)
7. (Optional) Set **Expires At** date
8. Toggle **Active**
9. Click **Save**

How Coupons Work at Checkout

1. Customer enters the coupon code in the **Promo Code** field on the checkout page
2. The system validates:
 - Code exists and is active
 - Not expired
 - Usage limit not reached
 - Order meets minimum amount (amount is currency-converted for Canadian stores)
3. If valid, the discount is applied to the subtotal
4. Discount is shown on the checkout page and sent to PayPal
5. On successful order, `used_count` is incremented

Coupon Validation Rules

```
✓ Active = true
✓ Current date is within starts_at → expires_at range
✓ used_count < usage_limit (if set)
✓ Order subtotal ≥ min_order_amount (currency-converted)
```

8. Customer Flow: Store Selection to Order

This is the main customer journey through the Quick Flow system.

Step 1: Find & Select a Store

URL: `/find-store`

The customer must select a store before placing an order.

Methods to find a store:

- **Geolocation:** Auto-detect nearby stores (within 300 miles)
- **Search:** Search by store name, city, state, zip code, address, or phone
- **QR Code:** Scan a store's QR code (`/store/{storeCode}`) to auto-select

Once selected, the store is saved in the session (`active_store_id`) and determines:

- Currency (USD or CAD)
- Which store receives the order
- Pickup location info

Step 2: Select Product Type

URL: `/` (home page)

Customer sees a grid of available Product Types (parent types). They tap one to continue.

Step 3: Select Size

URL: `/type/{type-slug}`

Customer selects from the available sizes (child product types) for that type. Each size shows:

- Name and dimensions
- Price (in active currency)
- Old price (strike-through if available)

Step 4: Choose a Template

URL: `/type/{size-slug}` (after size selection, templates page)

Customer browses available product templates filtered by category. Each template shows:

- Preview image
- Product name

Step 5: Customize the Design

URL: `/customize/{product-slug}`

This is the design editor where the customer:

For 4-page products (`no\_of\_pages = 4`):

- Sees all 4 card faces (Frame, Sample, Background, Overlay)
- Can tap any face to replace with their own photo
- Photos are uploaded via drag-drop or file picker
- Uploaded images are composited onto the design

For single-page with mask (`no\_of\_pages = 2`):

- Sees the card design with defined mask zones
- Uploads a photo that gets placed within the mask area
- Can adjust position within the mask

For single-page without mask (`no\_of\_pages = 1`):

- Simple image upload with preview
- The full image is used as-is

After customizing, the customer sets the **quantity** and clicks "**Review & Pay**".

Step 6: Review & Checkout

URL: `/checkout` (POST form)

The checkout page shows:

- **Interactive 3D Preview:** Flip-book style preview of the final design
- **Product Specs:** Type, size, dimensions
- **Quantity Adjuster:** Change the order quantity
- **Promo Code:** Apply a coupon code

- **Price Breakdown:** Subtotal, discount, total (in active currency)

Customer must provide:

Field	Description	Required
Pickup Name	Name for store pickup	✓
Email Address	For order confirmations & status updates	✓
Contact Number	Phone number	✓
Accept Terms	Must check the terms & conditions checkbox	✓

Step 7: Pay

Two payment options:

Option A — PayPal:

1. Click "**Pay Now**"
2. PayPal bottom sheet opens with the amount
3. Click PayPal button → redirects to PayPal
4. Complete payment on PayPal
5. Returns to the app → order created with status `confirmed` + `paid`

Option B — Cash at Counter:

1. Click "**Pay by Cash at Counter**"
2. Order is created with status `pending` + `pending payment`
3. Customer pays in-person at the store

Step 8: Confirmation

URL: `/confirmation/{order}`

Customer sees:

- Order number
- Status
- Design preview

- Store pickup details
- Option to print the design

Emails Sent on Order

Email	Recipient	Contains
Order Confirmation	Customer (pickup email)	Order details, design preview
Admin Alert	Admin email (from .env)	Full order details + PDF attachment
Store Alert	Store email	Order details for the store

9. Customer Flow: Custom Print (Qrinto Direct)

URL: `/custom-print`

This is a simplified flow for customers who already have a design file and just want to print it.

Step-by-Step

1. **Upload Design:** Drag-and-drop or click to upload an image (JPEG, PNG, WEBP, max 10MB)
2. **Select Product Type:** Choose from available parent types
3. **Select Size:** Choose a size variant (shows dimensions and price)
4. **Set Quantity:** Adjust the number of prints
5. **Fill Info:** Enter Pickup Name, Email, Phone Number
6. **Pay:** PayPal or Cash at Counter (same as main flow)

[!NOTE]

This flow skips template selection and customization — ideal for customers with pre-made designs.

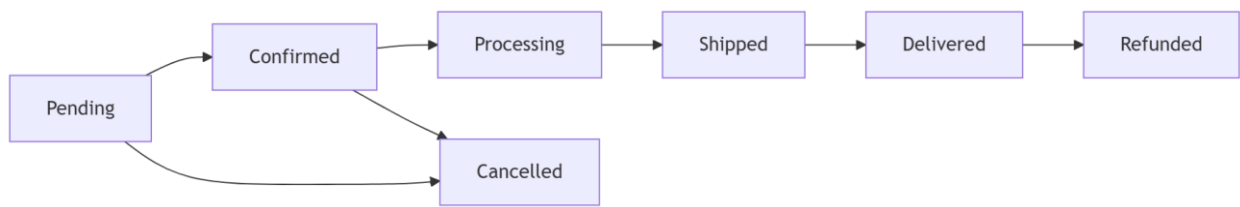
10. Customer Flow: How to Track an Order

URL: /track

Step-by-Step

- 1. Go to the **Track Order** page (accessible from the menu)
- 2. Enter the **Order Number** (e.g., ORD-20260611-A1B2C)
- 3. Click "**Track**"
- 4. View the order status page showing:
 - Current status with color-coded indicator
 - Order details (product, quantity, total)
 - Store pickup information
 - Status history timeline
 - Design preview

Order Status Flow



Status Meanings

Status	Description	Color
pending	Order placed, awaiting confirmation	□ Yellow
confirmed	Payment confirmed, ready to process	□ Blue
processing	Being printed/prepared	□ Indigo
shipped	Shipped to store or customer	□ Purple
delivered	Ready for pickup or delivered	□ Green
cancelled	Order was cancelled	□ Red
refunded	Payment refunded	○ Gray

11. Store Manager: How to Process Orders

Login URL: /login

Dashboard: /admin

Store managers (role: `store_admin`) only see orders for their assigned store.

Viewing Orders

1. Login to the admin panel
2. Go to **Admin** → **Orders**
3. Orders are filtered to your store automatically
4. Use filters: **Status**, **Payment Status**, **Search** (order number, customer name)
5. Orders show the last 30 days by default

Processing an Order Step-by-Step

1. Click on an **Order Number** to view details
2. Review the order:
 - Customer info (name, email, phone)
 - Product, size, quantity
 - Design preview images
 - Payment status
3. **Update the status** using the status dropdown:

Current Status	Next Action	New Status
<code>pending</code>	Confirm the order	<code>confirmed</code>
<code>confirmed</code>	Start processing/printing	<code>processing</code>
<code>processing</code>	Mark as shipped/ready	<code>shipped</code> or <code>delivered</code>

4. (Optional) Update **Payment Status** (for cash orders: change `pending` → `paid`)
5. (Optional) Add **Admin Notes** for internal tracking
6. (Optional) Add **Tracking Number** if shipping

7. Click "**Update Status**"

[!TIP]

When a status changes, the customer automatically receives an **email notification** with the updated status and any admin notes.

Printing Orders

From the order detail page:

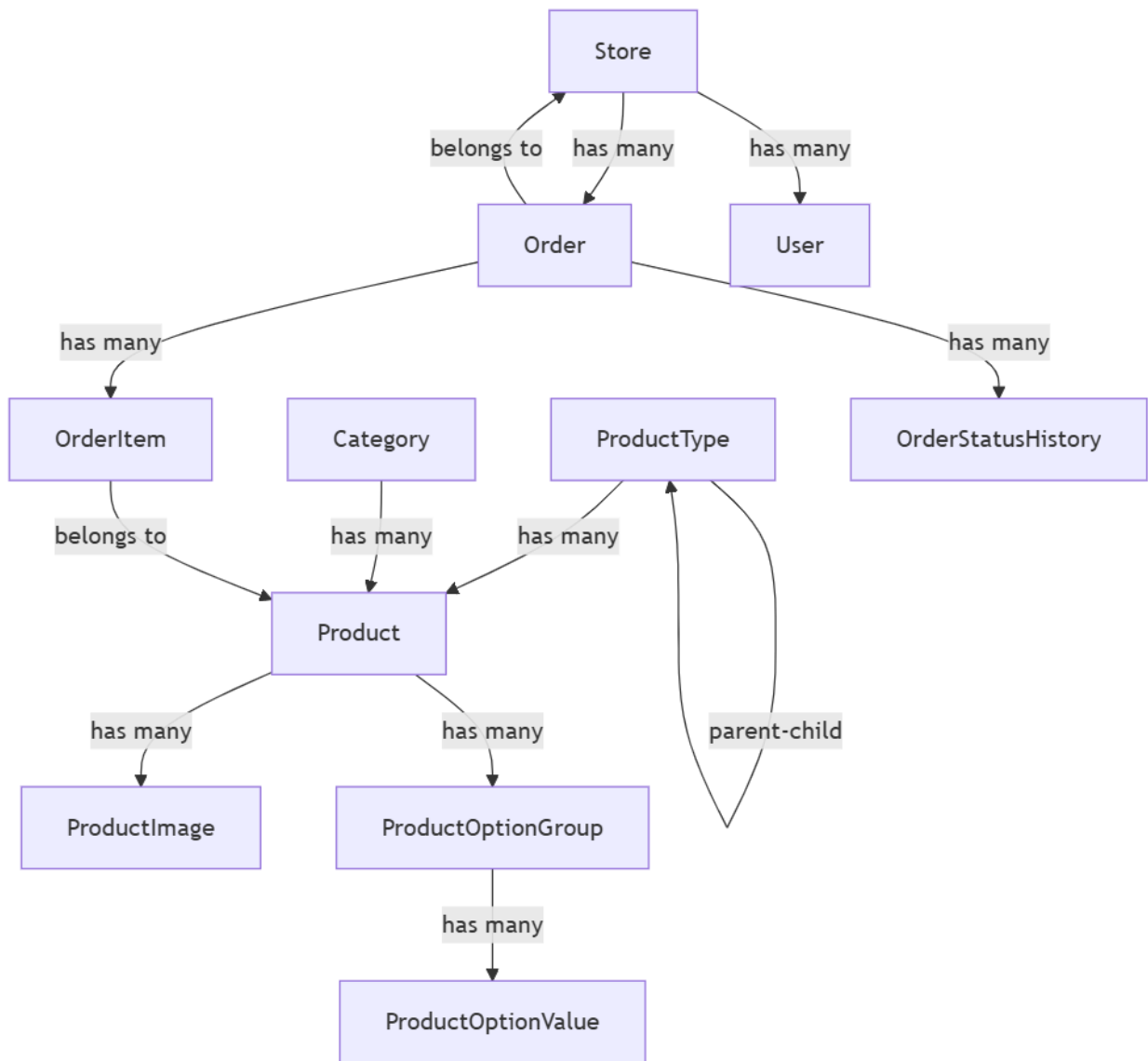
- Click "**View PDF**" to preview the print-ready design
- Click "**Print**" to send the design to the store's configured printer (via FTP)
- The system generates a properly formatted PDF based on the product's dimensions and orientation

Duplicating Orders

For repeat orders:

1. Open the order
2. Click "**Duplicate Order**"
3. Set the new quantity
4. A new order is created with status `pending` and fresh order number
5. Confirmation emails are sent for the duplicated order

Key Models & Relationships



Currency System

- All base prices are stored in **USD** in the database
 - The `CurrencyService` checks the active store's country
 - If the store is Canadian → prices are multiplied by `1.38` (USD→CAD rate)
 - The `__price()` JavaScript helper handles client-side conversion
 - PayPal SDK loads with the correct currency code (USD or CAD)
-

[!TIP]

Quick Reference URLs:

- Customer Store Finder: `/find-store`
- Customer Main Flow: `/`
- Customer Custom Print: `/custom-print`
- Customer Order Tracking: `/track`
- Admin Dashboard: `/admin`
- Admin Stores: `/admin/stores`
- Admin Products: `/admin/products`
- Admin Product Types: `/admin/product-types`
- Admin Categories: `/admin/categories`
- Admin Coupons: `/admin/coupons`
- Admin Orders: `/admin/orders`
- Store QR Scan: `/store/{storeCode}`