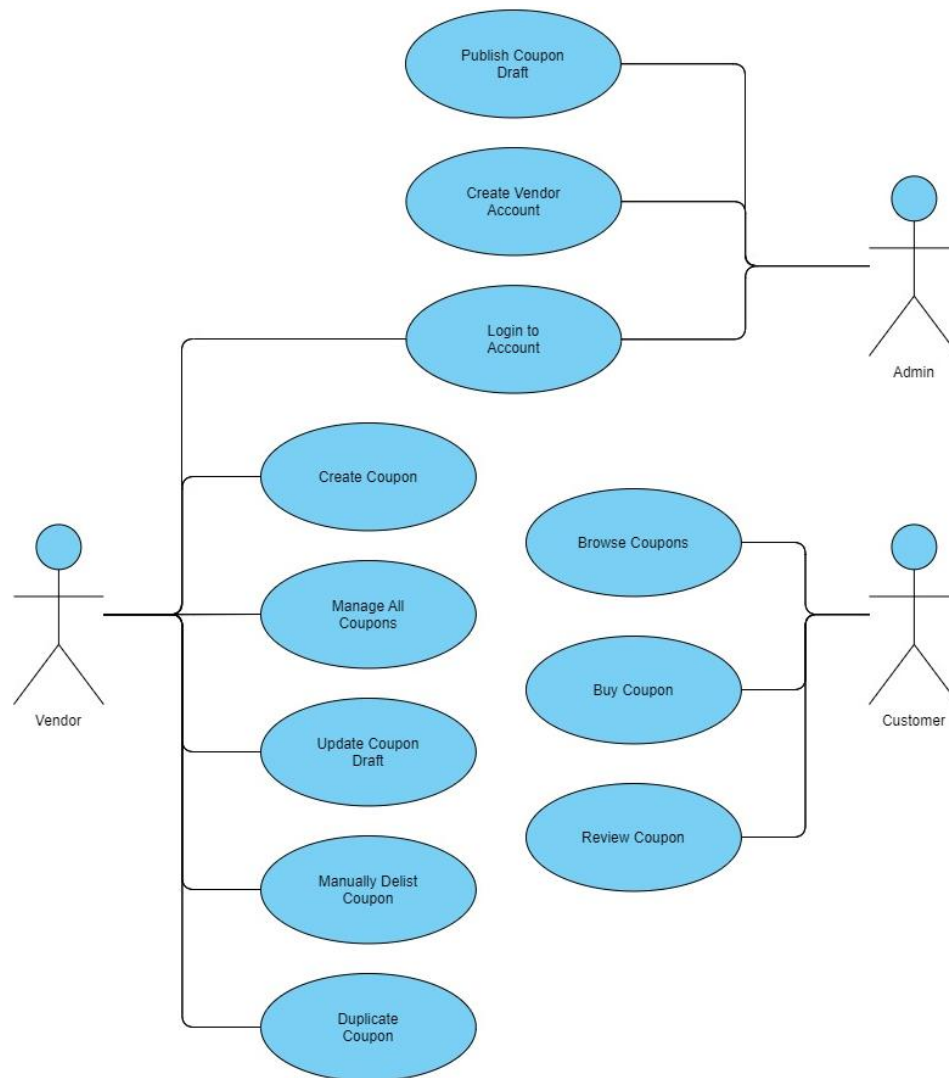# Groupomania UML Document

PRESENTING THIS PROJECT'S WORKING USE CASE DIAGRAM, CLASS DIAGRAM, AND WIREFRAME PROTOTYPES
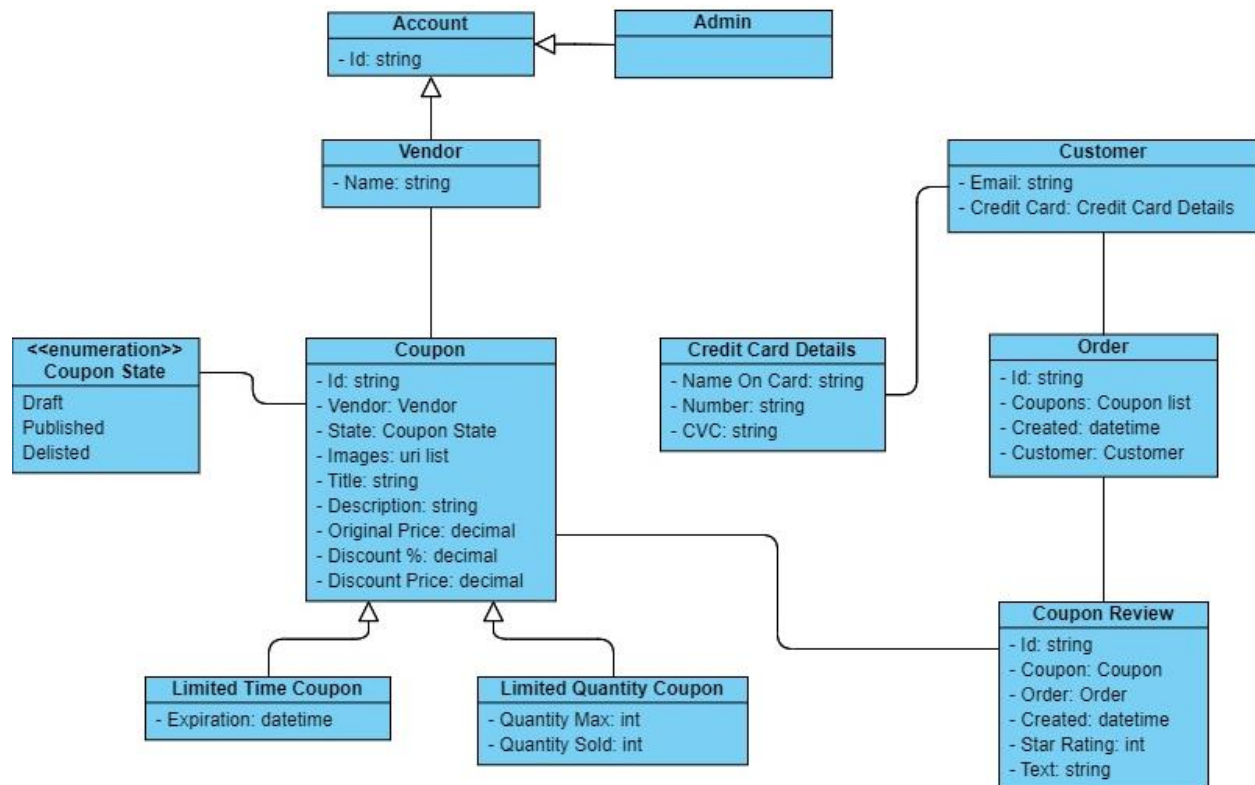
Use Case Diagram

Below is the list of Actors and corresponding Use Cases required by this project.

Class Diagram

Below is a diagram of the most important classes required by this project, as well as their relationships to each other. Please review these names and relationships, as they describe the language of your project's Domain. For example, "Vendors" create "Coupons" and "Customers" place "Orders". By using this shared language, we can work together to build an app that everybody understands and meets all your business requirements.

Account
- Id: string

Admin

Vendor
- Name: string

Customer
- Email: string
- Credit Card: Credit Card Details

<<enumeration>> Coupon State
Draft
Published
Delisted

Coupon
- Id: string
- Vendor: Vendor
- State: Coupon State
- Images: uri list
- Title: string
- Description: string
- Original Price: decimal
- Discount %: decimal
- Discount Price: decimal

Credit Card Details
- Name On Card: string
- Number: string
- CVC: string

Order
- Id: string
- Coupons: Coupon list
- Created: datetime
- Customer: Customer

Limited Time Coupon
- Expiration: datetime

Limited Quantity Coupon
- Quantity Max: int
- Quantity Sold: int

Coupon Review
- Id: string
- Coupon: Coupon
- Order: Order
- Created: datetime
- Star Rating: int
- Text: string

Wireframe Prototypes

Wireframes are visual representations of the things users do in your app. These are <u>not</u> finished designs. Instead, think of wireframes as *how your app will work*, not how your app will look.

ACTOR: Vendor

LOGIN TO ACCOUNT

Accounts are created manually by your team, then a Vendor uses the credentials you provide to login to the app.

CREATE LIMITED TIME COUPON

Step #1: Vendor selects the "Create Coupon" button to open the Create Coupon Wizard.

+ Create Coupon

Step #2: Vendor selects "Create Limited Time Coupon" from the list of options.

Create Coupon

Create Limited Time Coupon

Create Limited Quantity Coupon

Step #3: Vendor adds details about the new Coupon, passes the form validation, and clicks "Create Coupon".

Create Limited Time Coupon

Title

Description

Original Price

Discount %

Expires At

Image

Image

+

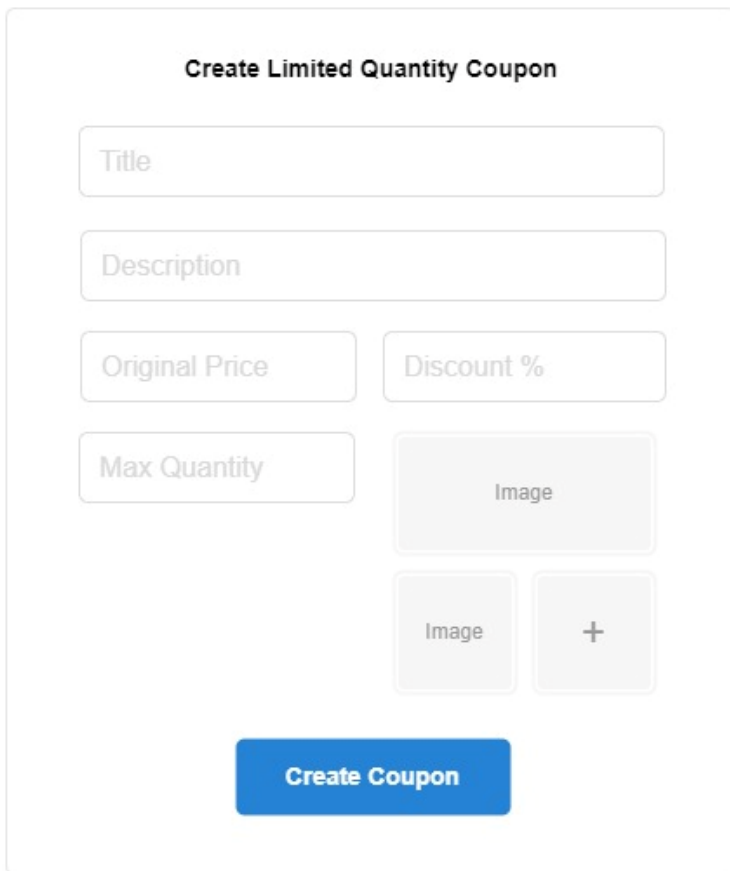**Create Coupon**

CREATE LIMITED QUANTITY COUPON
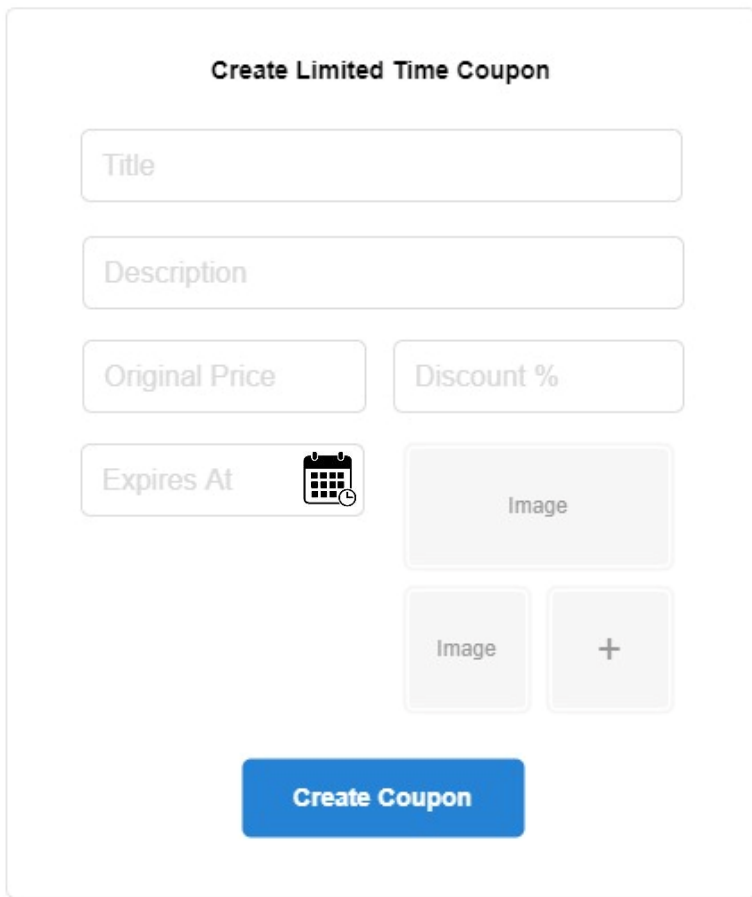
Step #1: Vendor selects the "Create Coupon" button to open the Create Coupon Wizard.

Step #2: Vendor selects "Create Limited Quantity Coupon" from the options list.

Step #3: Vendor adds details about the new Coupon, passes the form validation, and clicks "Create Coupon".

MANAGE ALL COUPONS

After logging in, Vendor uses the dashboard to review the existing Coupons and perform actions like "Update", "Duplicate", and "Delist".

Coupons

+ Create Coupon

Manage Vendor Coupons

Some default panel content here. Nulla vitae elit libero, a pharetra augue. Aenean lacinia bibendum nulla sed consectetur. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Nullam id dolor id nibh ultricies vehicula.

#	Title	Type	State	Buys	Action
1	10% Off	Limited Time	Published	249	Delist ▼
2	Buy 2, Get 1 Free	Limited Time	Published	164	Delist ▼
3	$1 XL	Limited Quantity	Published	97	Delist ▼
4	$5 Off	Limited Quantity	Draft		Update ▼
5	Free Delivery	Limited Time	Draft		Update ▼
6	Summer Special	Limited Time	Delisted	521	Duplicate ▼

<< **1** 2 3 4 5 6 7 8 9 >>

Step #1: Vendor chooses a Draft Coupon they wish to update and selects "Update" from the action menu.

Coupons

+ Create Coupon

Manage Vendor Coupons
Some default panel content here. Nulla vitae elit libero, a pharetra augue. Aenean lacinia bibendum nulla sed consectetur. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Nullam id dolor id nibh ultricies vehicula.

#	Title	Type	State	Buys	Action
1	10% Off	Limited Time	Published	249	Delist ▼
2	Buy 2, Get 1 Free	Limited Time	Published	164	Delist ▼
3	$1 XL	Limited Quantity	Published	97	Delist ▼
4	$5 Off	Limited Quantity	Draft		Update ▼
5	Free Delivery	Limited Time	Draft		Update ▼
6	Summer Special	Limited Time	Delisted	521	Duplicate ▼

<< 1 2 3 4 5 6 7 8 9 >>

Step #2: Vendor makes changes to the Draft Coupon, passes the form validation, then selects "Update Coupon".

Update Limited Quantity Coupon

$5 Off

Get $5 off any order over $20

| $5.00 | 100% |

| 100 | Image |

| Image | + |

Update Coupon

MANUALLY DELIST COUPON

Step #1: Vendor chooses a Published Coupon they wish to remove and selects "Delist" from the action menu.

Coupons

+ Create Coupon

Manage Vendor Coupons

Some default panel content here. Nulla vitae elit libero, a pharetra augue. Aenean lacinia bibendum nulla sed consectetur. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Nullam id dolor id nibh ultricies vehicula.

#	Title	Type	State	Buys	Action
1	10% Off	Limited Time	Published	249	Delist ▼
2	Buy 2, Get 1 Free	Limited Time	Published	164	Delist ▼
3	$1 XL	Limited Quantity	Published	97	Delist ▼
4	$5 Off	Limited Quantity	Draft		Update ▼
5	Free Delivery	Limited Time	Draft		Update ▼
6	Summer Special	Limited Time	Delisted	521	Duplicate ▼

<< 1 2 3 4 5 6 7 8 9 >>

Step #2: Vendor confirms the "Delist" action via a dialogue box to remove the Coupon from sale (or clicks "Cancel").

Coupons

+ Create Coupon

Manage Vendor Coupons

Some default panel content here. Nulla vitae elit libero, a pharetra augue. Aenean lacinia bibendum nulla sed consectetur. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Nullam id dolor id nibh ultricies vehicula.

Delist Confirmation

Are you sure you want to permanently delist the coupon: "10% Off"?

Cancel   Delist

#	Title	Type	State	Buys	Action
1	10% Off			249	Delist ▼
2	Buy 2, Get 1 Free			164	Delist ▼
3	$1 XL	Limited Quantity	Published	97	Delist ▼
4	$5 Off	Limited Quantity	Draft		Update ▼
5	Free Delivery	Limited Time	Draft		Update ▼
6	Summer Special	Limited Time	Delisted	521	Duplicate ▼

<< 1 2 3 4 5 6 7 8 9 >>

DUPLICATE COUPON

Step #1: Vendor chooses a Coupon and selects "Duplicate" from the action menu.

Coupons

+ Create Coupon

Manage Vendor Coupons

Some default panel content here. Nulla vitae elit libero, a pharetra augue. Aenean lacinia bibendum nulla sed consectetur. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Nullam id dolor id nibh ultricies vehicula.

#	Title	Type	State	Buys	Action
1	10% Off	Limited Time	Published	249	Delist ▼
2	Buy 2, Get 1 Free	Limited Time	Published	164	Delist ▼
3	$1 XL	Limited Quantity	Published	97	Delist ▼
4	$5 Off	Limited Quantity	Draft		Update ▼
5	Free Delivery	Limited Time	Draft		Update ▼
6	Summer Special	Limited Time	Delisted	521	Duplicate ▼

<< 1 2 3 4 5 6 7 8 9 >>

Step #2: Vendor reviews the duplicated information, makes changes, and creates a new Coupon.

Create Limited Time Coupon

Summer Special

Get the best of summer for the best price!

$20   50%

Expires At 🗓️   Image
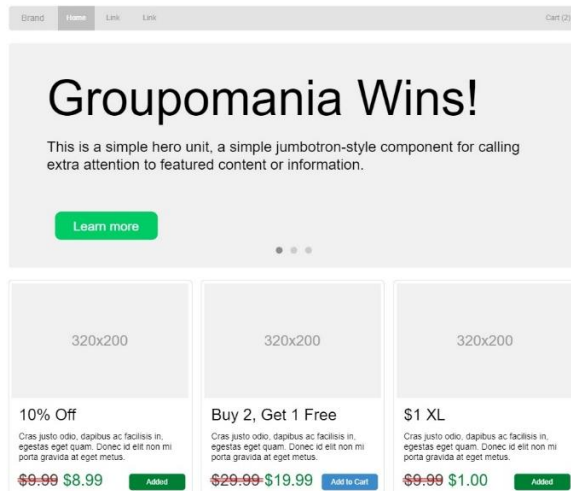
Image   +

Create Coupon

ACTOR: Customers
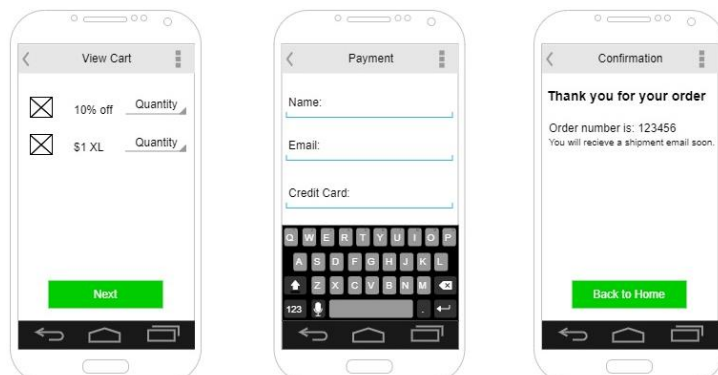
CUSTOMER CHECKOUT

Step #1: Customer reviews the list of Coupons for sale.
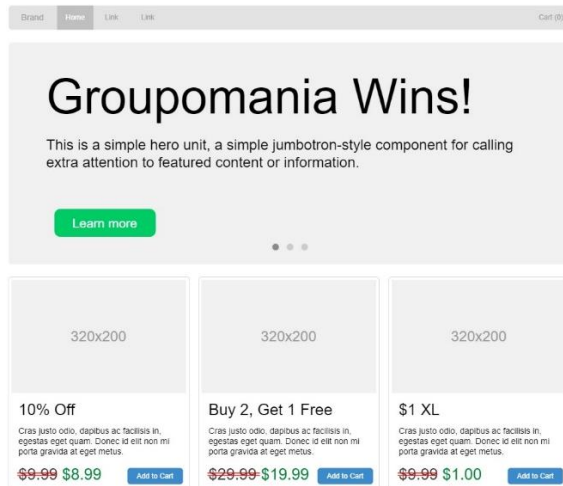
Step #2: Customer adds one or more Coupons to their cart.

Step #3: Customer reviews their cart, adds their Credit Card Details, and completes their Order.

CUSTOMER WRITES A COUPON REVIEW

The Customer uses their Order number to write a Coupon Review by giving a Star Rating (out of 5), entering custom text, and clicking "Save Review".

ACTOR: Admin

LOGIN TO ACCOUNT

Admin enters their credentials to login to the administrator portal.

CREATE VENDOR ACCOUNT

Admin uses the secure administration portal to manually create and authorize a new Account on behalf of a Vendor. Admin then shares the Account's login credentials with the new Vendor.

Create Vendor Account

Email

Password

Create Account

PUBLISH VENDOR COUPON DRAFT

Admin reviews a Vendor's Coupon Draft and can either (i) accept and publish the Vendor's Coupon, or (ii) reject the coupon in its current state and request changes from the Vendor.

Review and Publish Coupon Draft
VENDOR #123456

$5 Off

Get $5 off any order over $20

$5.00

100%

100

Image

Image

+

Reject Coupon

Publish Coupon