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FPT UNIVERSITY

SWP 391 FINAL PRESENTATION

F DIAMOND

Lecturer

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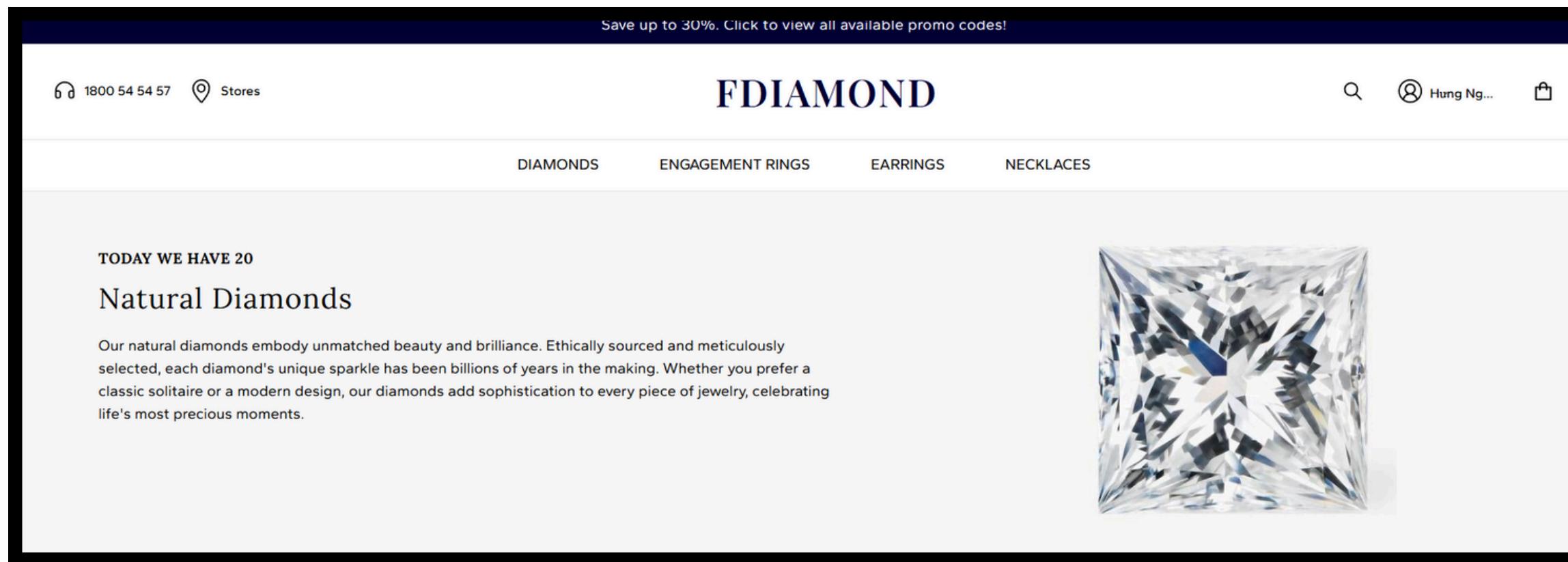
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1.PROJECT INTRODUCTION

FDiamond - Online website for buying Diamond and jewellery



The proposed Diamond Online Shop offering a comprehensive online marketplace for diamonds and fine jewellery, ensuring a seamless shopping experience that combines quality, transparency, and exceptional customer service

2. ACTORS AND FEATURES

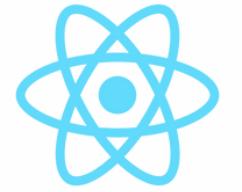


- View Product
- Search Product
- Manage Cart
- Order

- Manage Product
- Manage Discount Code
- Manage Order
- Dashboard

3. TECHNOLOGY IN USE

Front-end



Tailwind CSS



Back-end

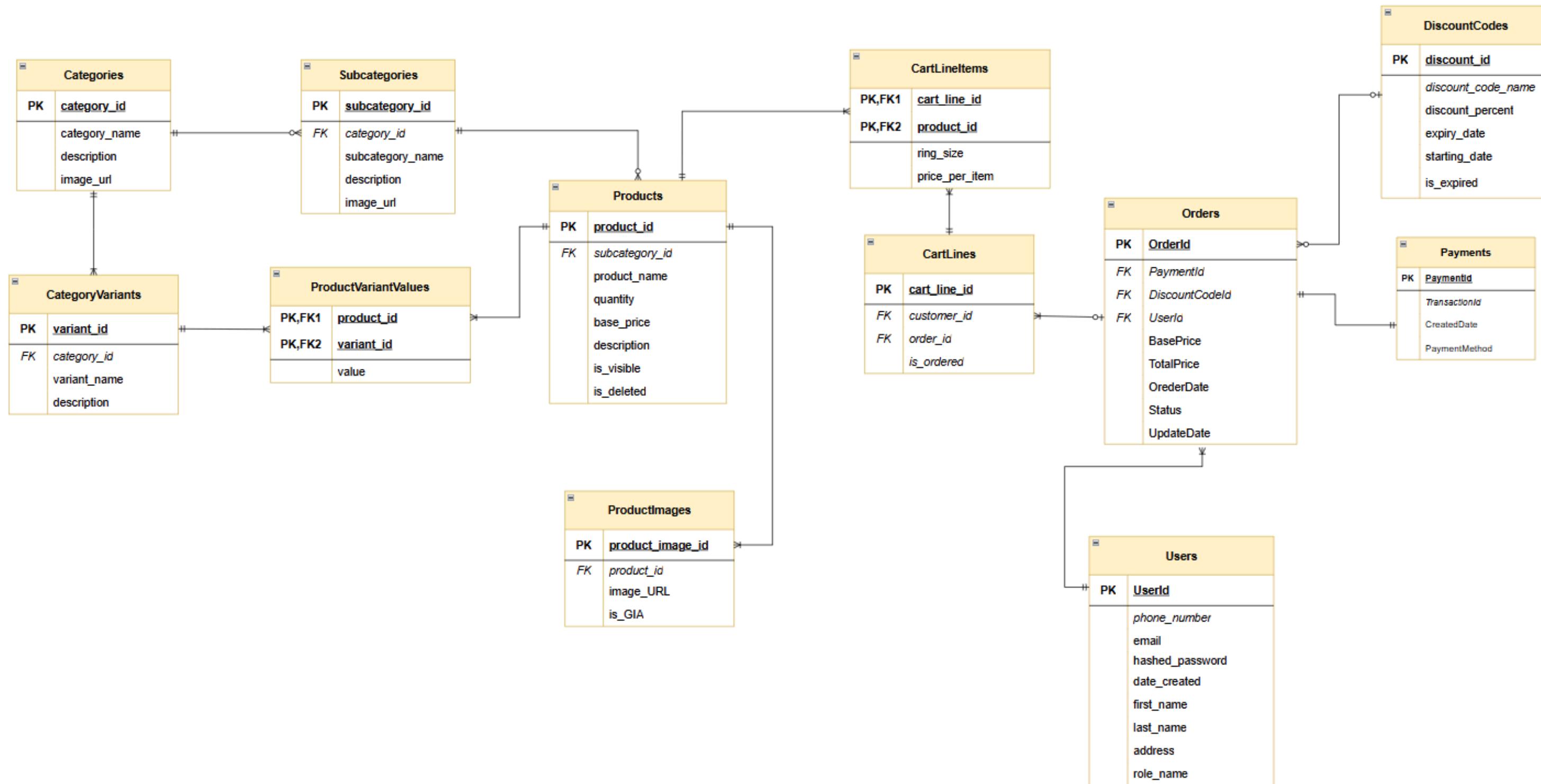


3rd Party

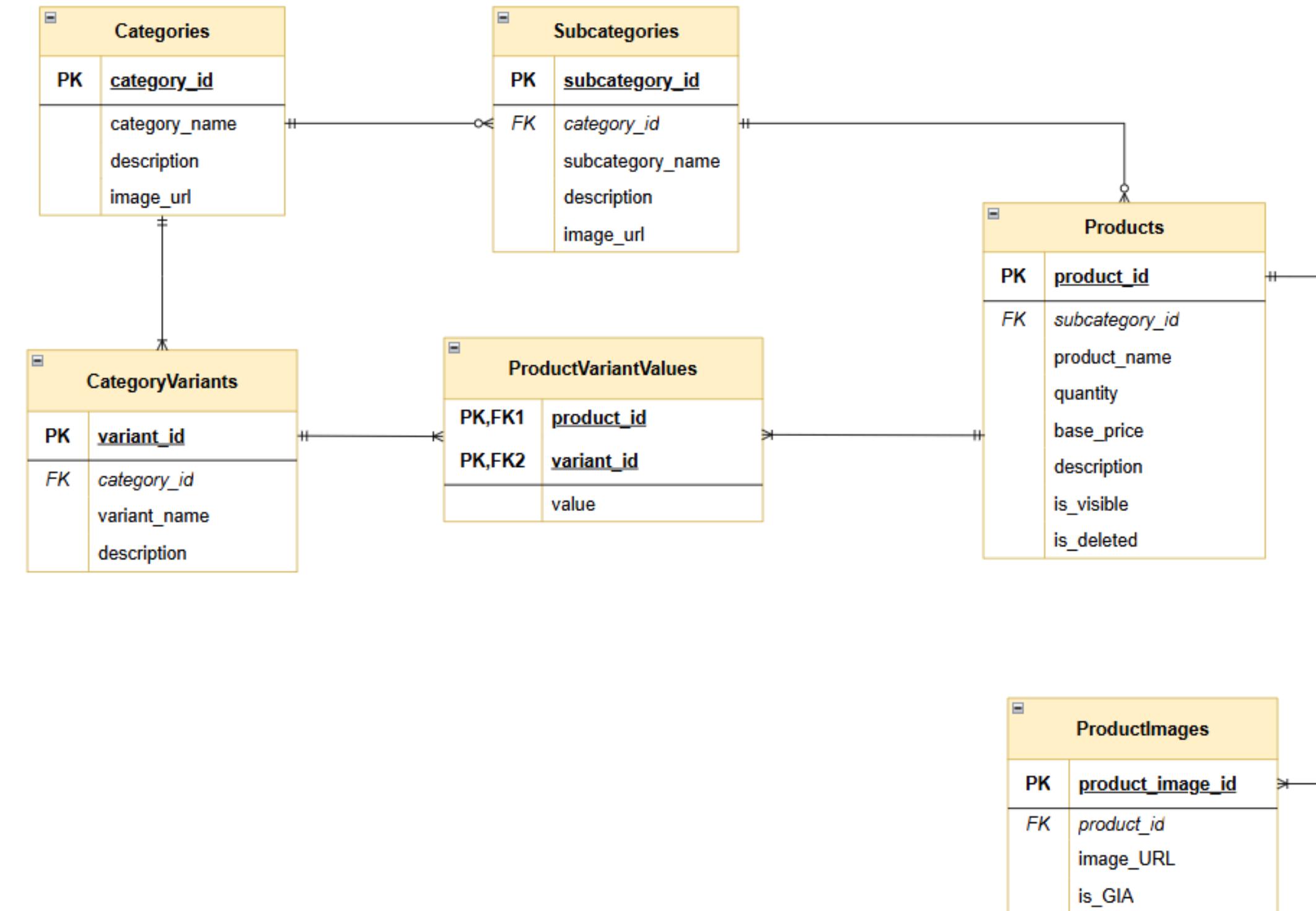
HIGHLIGHT FUNCTION

- Send Email
- Confirm Email
- JWT
- Identity Framework (security)

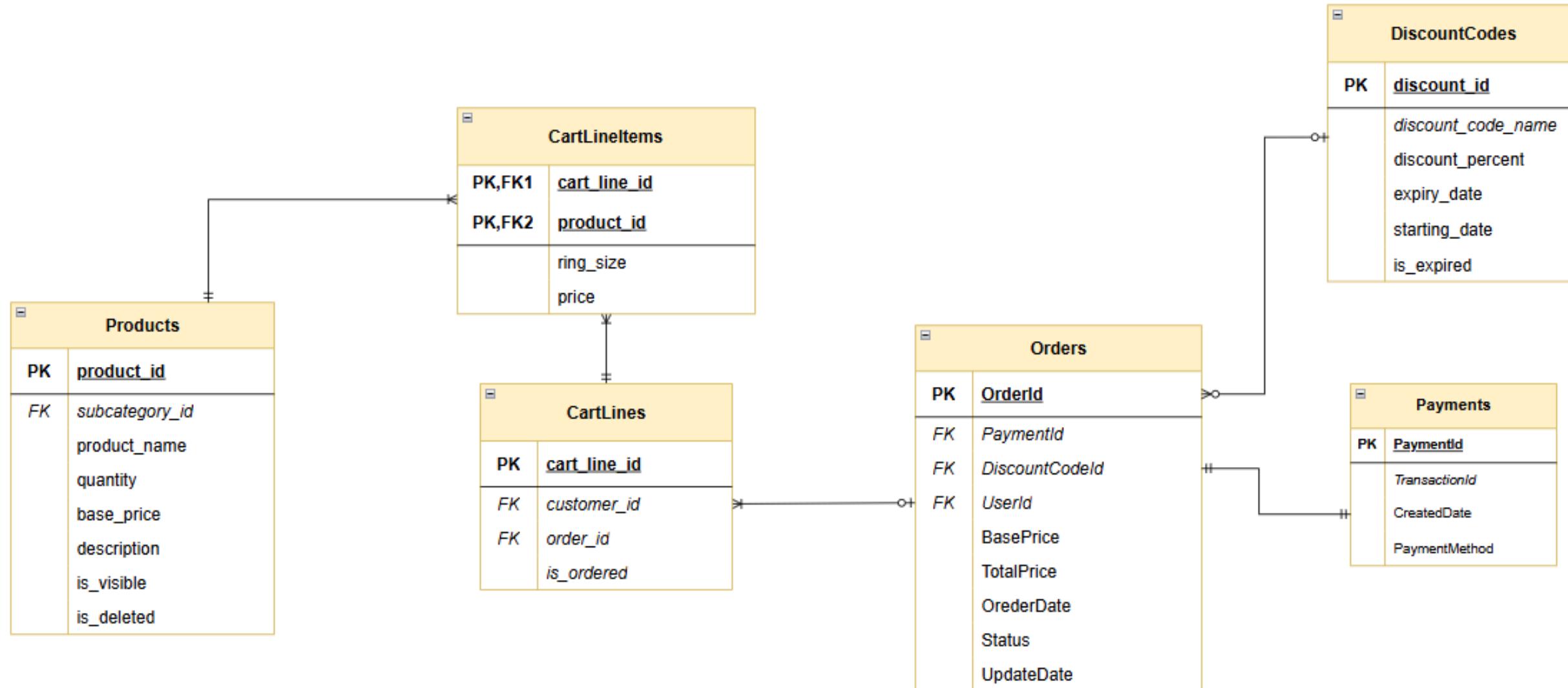
4. ERD



PRODUCT ENTITY



ORDER ENTITY



USER ENTITY

Users	
PK	<u>UserId</u>
	<i>phone_number</i>
	email
	hashed_password
	date_created
	first_name
	last_name
	address
	role_name

5. DEMONSTRATION - ADMIN SITE

Scenario 1: Create Product



Click add new Product

A screenshot of the 'Products' section of the admin site. It features a search bar labeled 'Search product by name...' and a prominent '+ New Product' button.

A detailed screenshot of the 'Add new product' form. The left sidebar shows the user 'An Thu' and navigation links: Dashboard, User, Product (selected), Order, and Discount. The main form includes sections for 'Product information' (Category: Diamond, Product name, Price, Quantity, Shape, Color, Clarity, Cut, Carat Weight, Florescence, Length, Depth), 'Description', 'Upload Product Images' (with a '+ Upload' button), and 'Upload GIA Report' (with a '+ Upload' button). At the bottom are 'Back' and 'Submit' buttons.

A screenshot of the 'Products' section showing a table with one item. A green success toast notification is displayed in the top right corner, stating 'Success' and 'Product created successfully!'. Below it is a '+ New Product' button.

Submit and
notification
is shown

Fill Product
Information

5. DEMONSTRATION - ADMIN SITE

Scenario 2: Update Product



Select Product that want to edit

ID ↑	Name	Price	Quantity	Shape	Status
1	1.00 Carat H-VS2 Excellent Cut Round Diamond	4200	1	Round	Edit

Product information

Product name * 1.00 Carat H-VS2 Excellent Cut Round Diamond

Price * 4200

Quantity * 1

Color * H

Clarity * VS2

Cut * Excellent

CaratWeight * 1.00

Florescence * Medium

Length * 1.01

Depth * 58.7

Description This 1.00 round H diamond is sold exclusively on FDIAMOND.

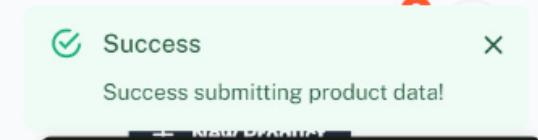
Upload Product Images

Upload GIA Report

Back Save

Submit and notification is shown

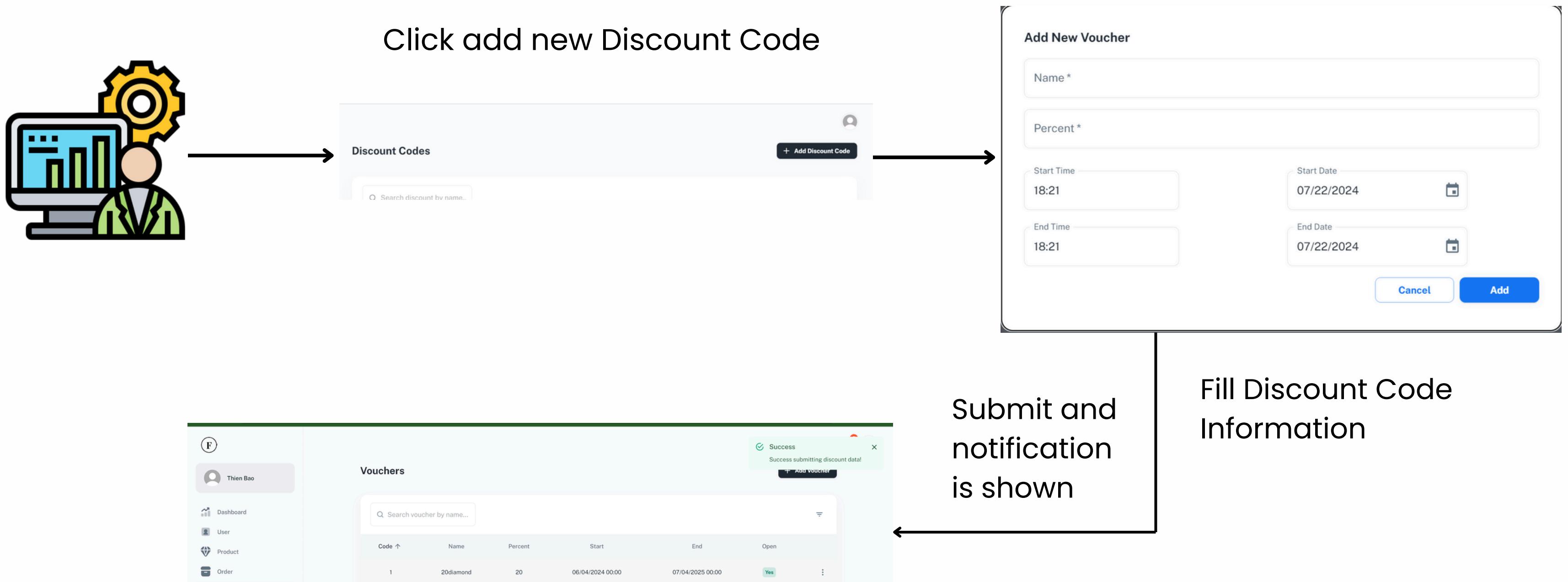
Products



Edit product's information

5. DEMONSTRATION - ADMIN SITE

Scenario 3: Create Discount Code



5. DEMONSTRATION - ADMIN SITE

Scenario 4 : Update Discount Code



Select Discount Code that want to edit

Code ↑	Name	Percent	Start	End	Open
1	20diamond	20	06/04/2024 00:00	07/04/2025 00:00	<button>Edit</button>

Edit Voucher

Name *

Percent *

Start Time Start Date

End Time End Date

Cancel Save Changes

Vouchers

Success
Success submitting discount data!

Code ↑	Name	Percent	Start	End	Open
1	20diamond	20	06/04/2024 00:00	07/04/2025 00:00	Yes

Submit and notification is shown

Edit Discount Code's information

5.DEMONSTRATION - ADMIN SITE

Scenario 5 : Modify Order Status

Select Order that has status
Ordered to view



129	22/07/2024 19:37	4200	PayPal	Ordered	View	...
128	22/07/2024 19:36	3350	PayPal	Ordered	View	...

Order Detail

Detail



1.00 Carat H-VS2 Excellent Cut Round Diamond
#1

Information	
Order ID	129
Order Date	22/07/2024 19:37
Base Price	4200
Total Price	4200
Payment Method	PayPal
Discount Percent	0%
Status	Ordered

[Back](#) [Complete Order](#)



Orders

Search order by ID

Order	Date	Total Price	Payment Method	Status	Detail
129	22/07/2024 19:37	4200	PayPal	Completed	...

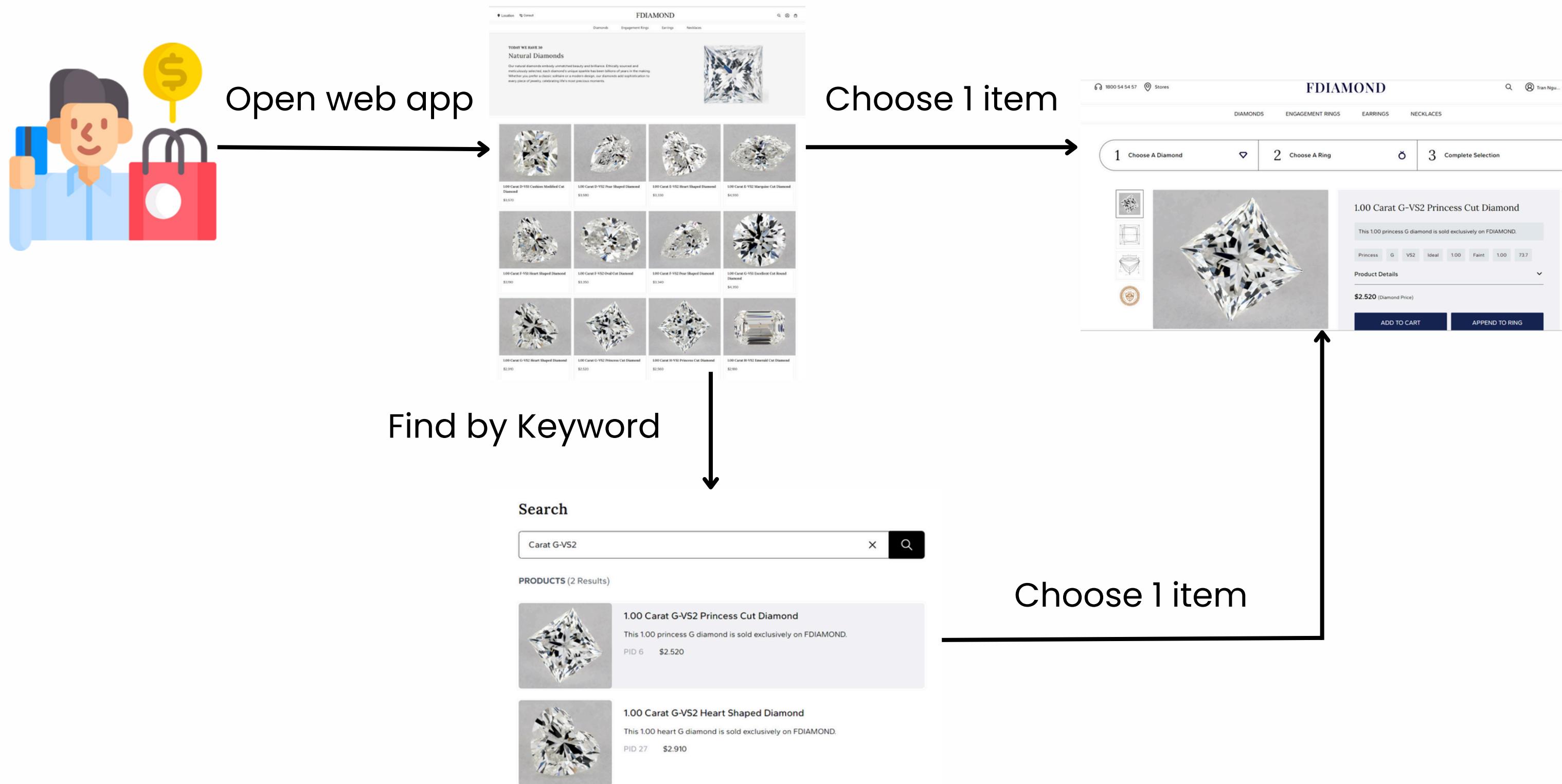
 Success Order is completed

Submit and
notification
is shown

Change status from
Ordered to Completed

5. DEMONSTRATION - CUSTOMER SITE

Scenario 1: Customer is looking for a specific product before using/ordering...



5. DEMONSTRATION - CUSTOMER SITE

Scenario 2: Customer add to cart



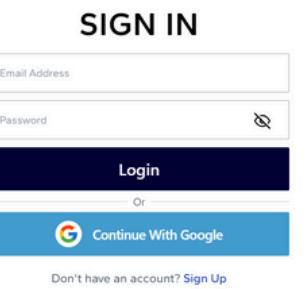
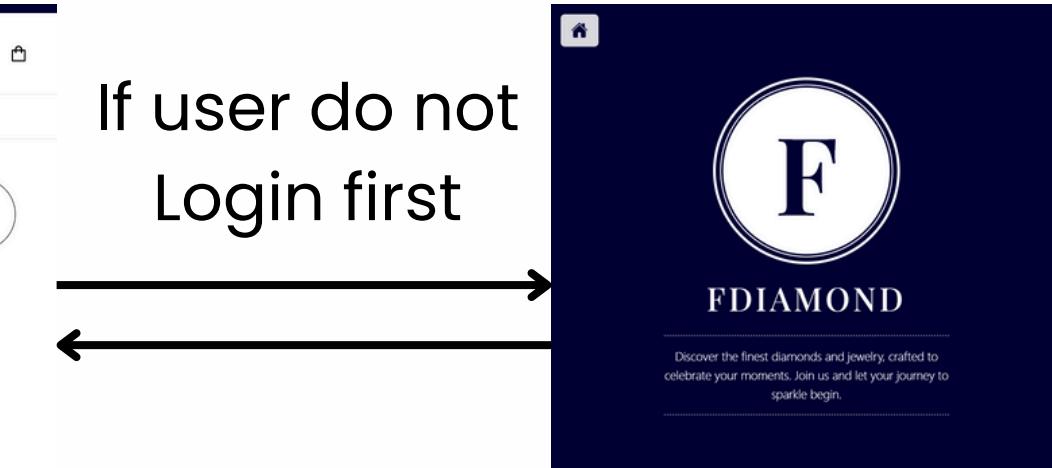
Click add to cart/
Append to Ring

The screenshot shows the FDiamond website. At the top, there's a navigation bar with links for DIAMONDS, ENGAGEMENT RINGS, EARRINGS, and NECKLACES. Below the navigation, there are three items in a row: "1.00 Carat H-VS2 Excellent Cut Round Diamond" (\$4.200), "Bella Vaughan Split Shank Double Pavé Diamond Engagement Ring in Platinum" (\$7.880), and "Complete Selection" (\$12.080). An "ADD TO CART" button is visible next to the third item. Below these, there's a detailed product view for the "Bella Vaughan Split Shank Double Pavé Diamond Engagement Ring in Platinum". It features a large central diamond surrounded by smaller diamonds on the band. The product description highlights it as handcrafted and featuring a platinum halo and pear-cut side stones. Below the product image are three smaller thumbnail images of the ring from different angles.

View Cart

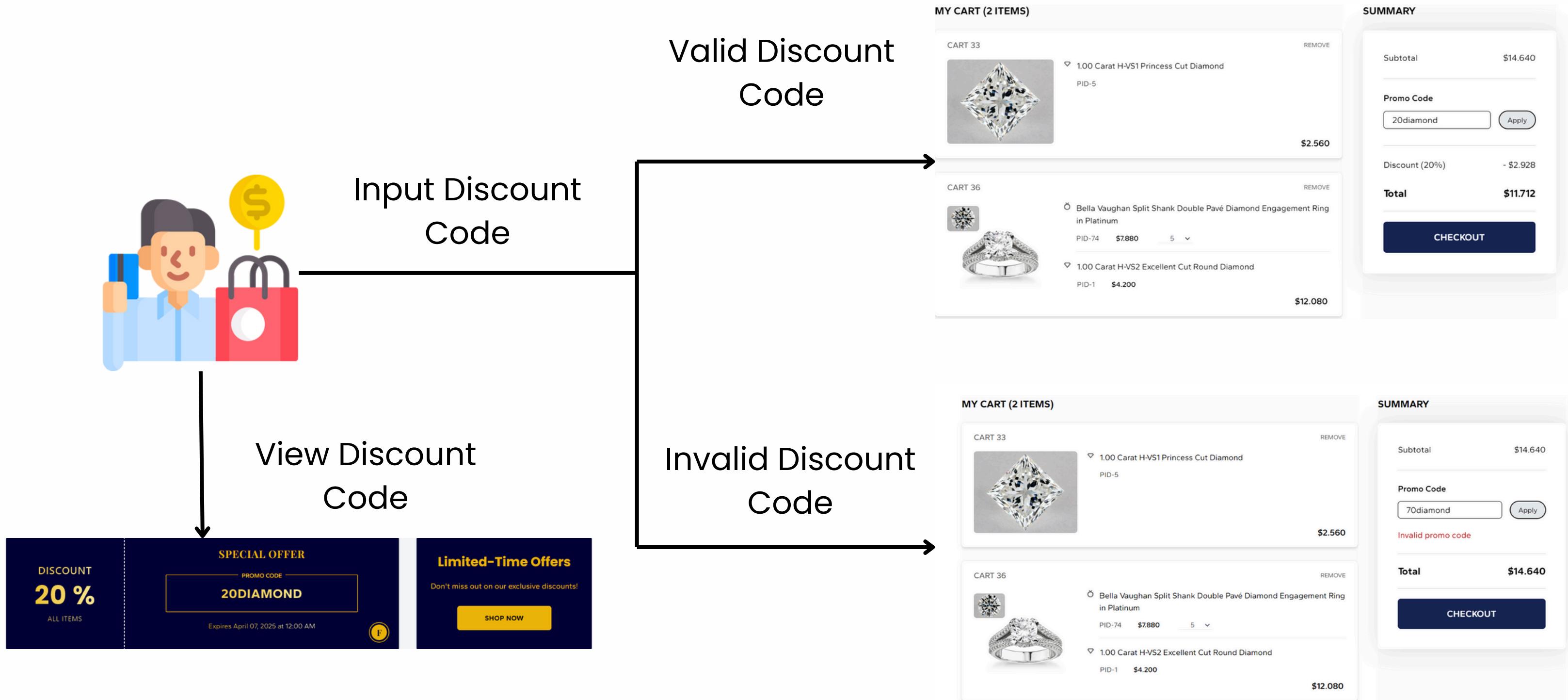
The screenshot shows the customer's cart summary. It lists two items: "CART 33" containing a "1.00 Carat H-VS1 Princess Cut Diamond" (PID-5) and "CART 36" containing a "Bella Vaughan Split Shank Double Pavé Diamond Engagement Ring in Platinum" (PID-74, \$7.880) and a "1.00 Carat H-VS2 Excellent Cut Round Diamond" (PID-1, \$4.200). The total subtotal is \$14.640. To the right of the cart summary is a "SUMMARY" section with a "CHECKOUT" button.

If user do not
Login first



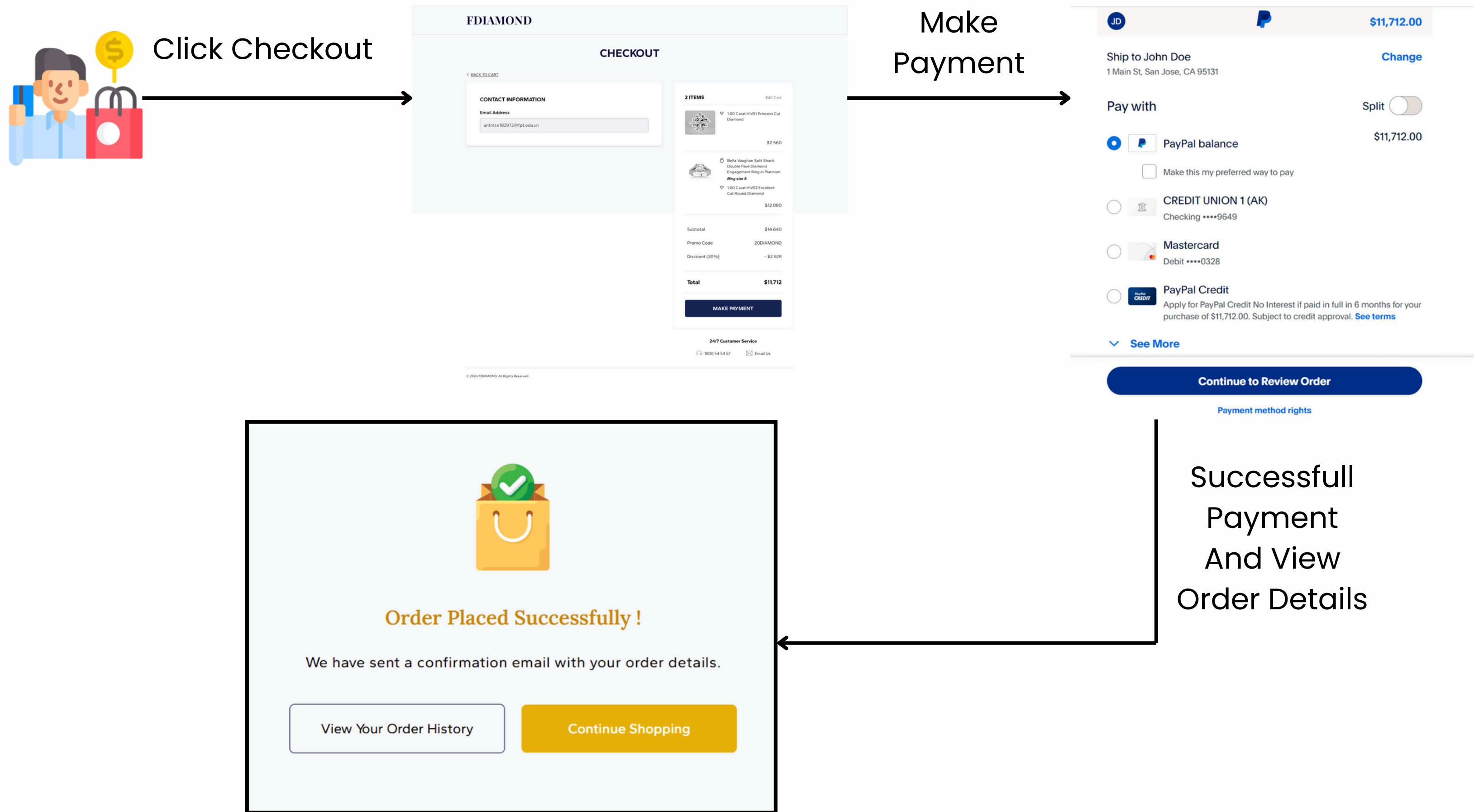
5. DEMONSTRATION - CUSTOMER SITE

Scenario 3: Customer apply Discount Code



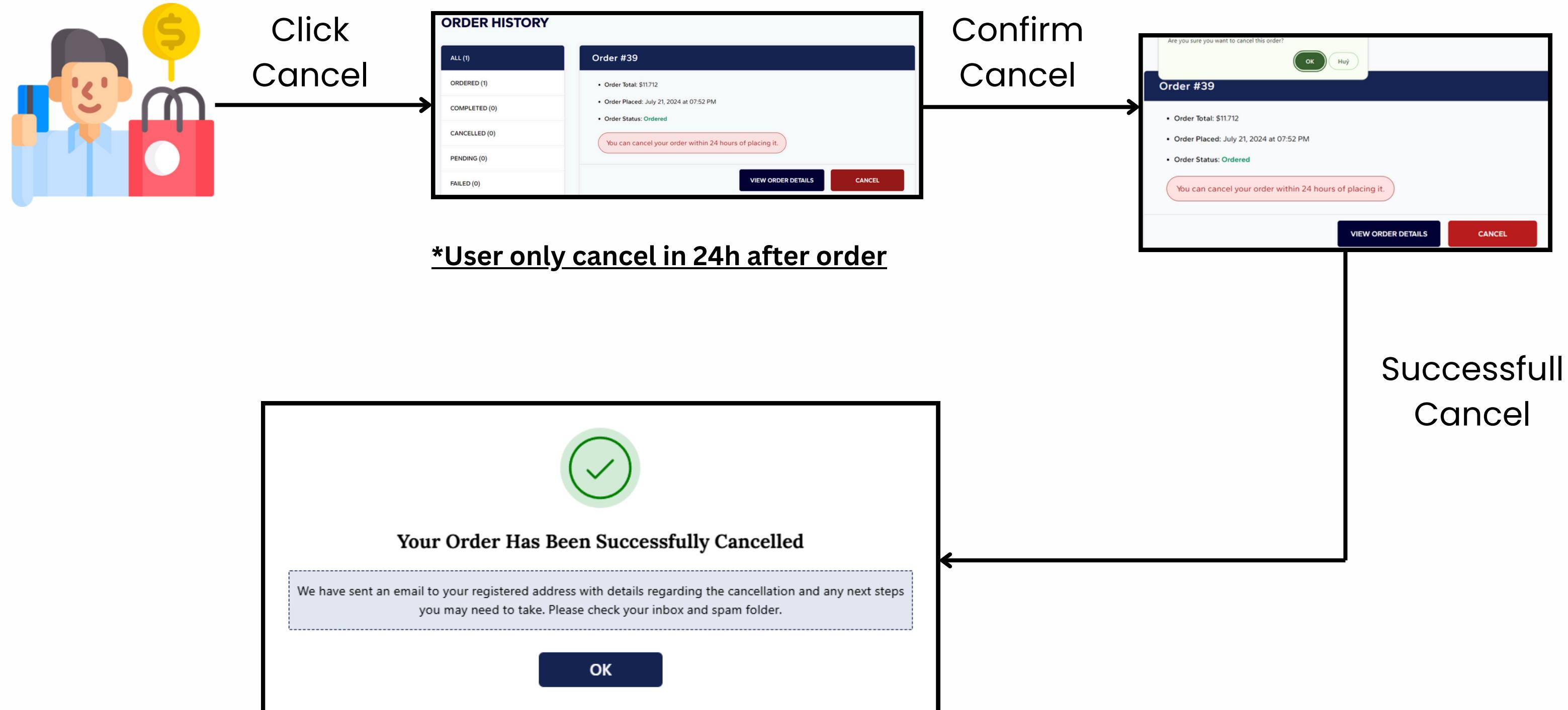
5. DEMONSTRATION - CUSTOMER SITE

Scenario 4: Customer Order



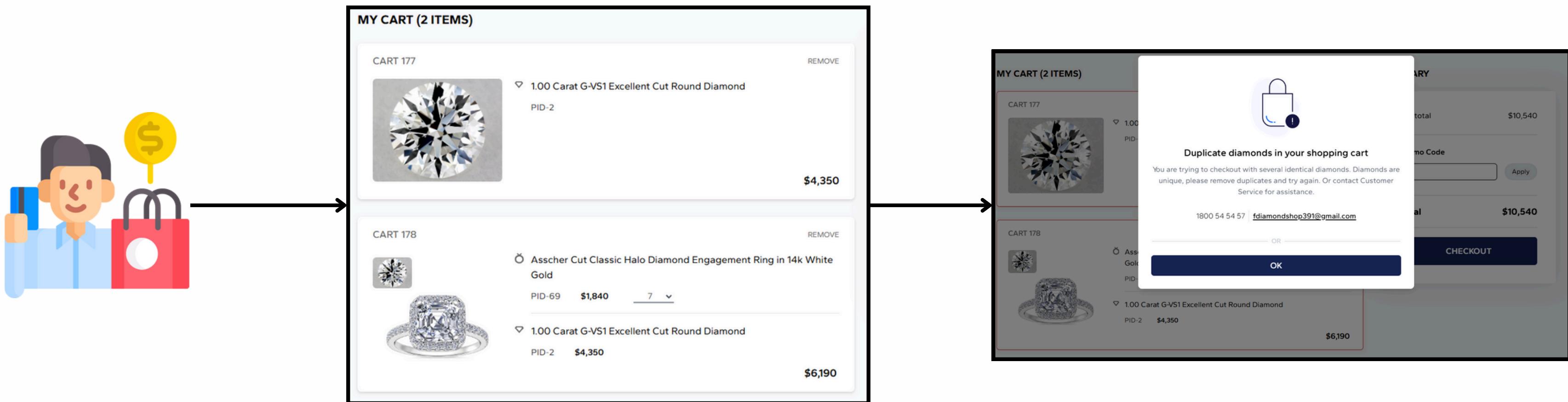
5. DEMONSTRATION - CUSTOMER SITE

Scenario 5: Customer cancel orders



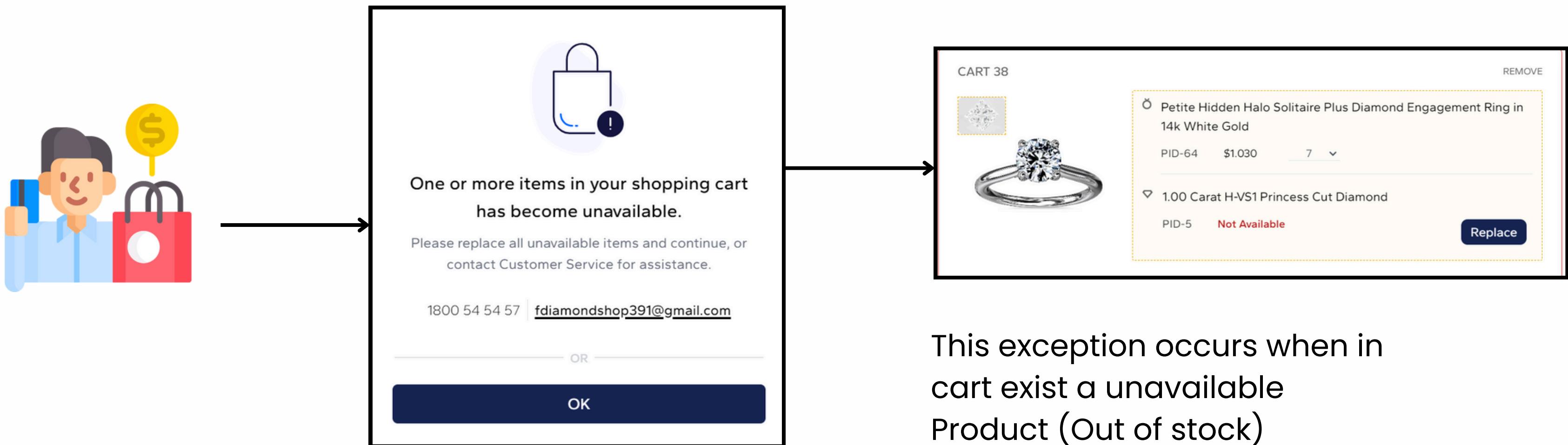
5. DEMONSTRATION - CUSTOMER SITE

Scenario 6: Customer order with duplicate diamonds in cart



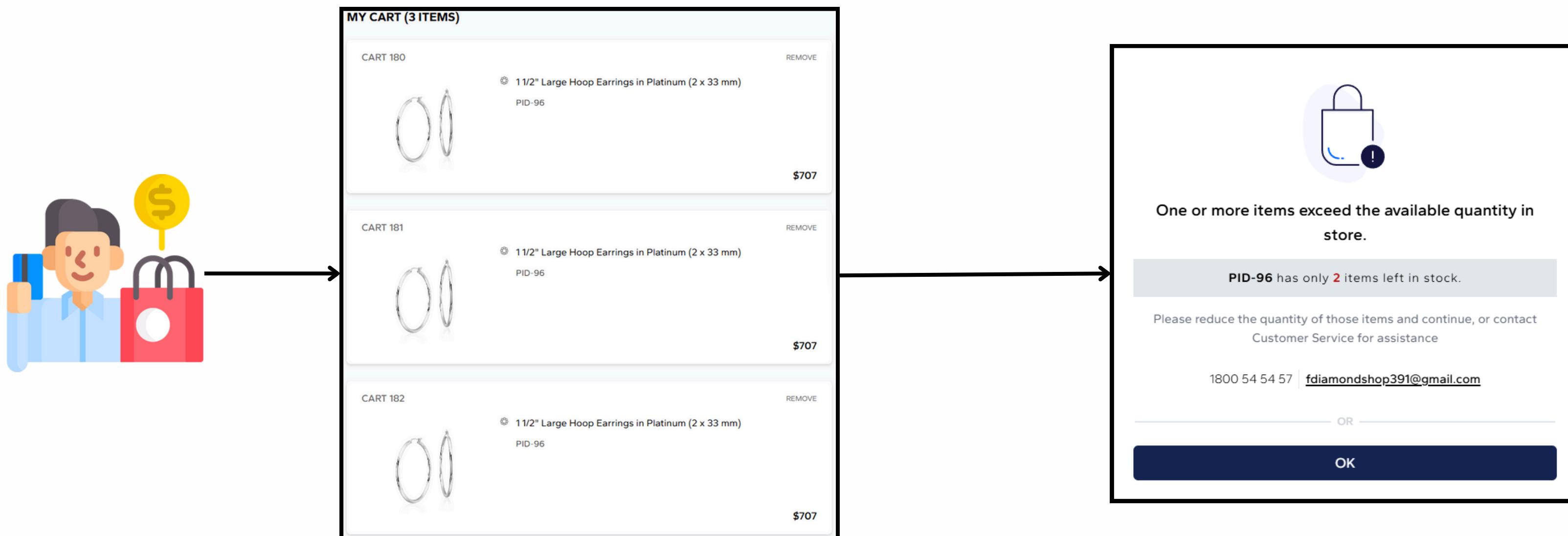
5.DEMONSTRATION - CUSTOMER SITE

Scenario 7: Customer order Diamond that unavailable



5. DEMONSTRATION - CUSTOMER SITE

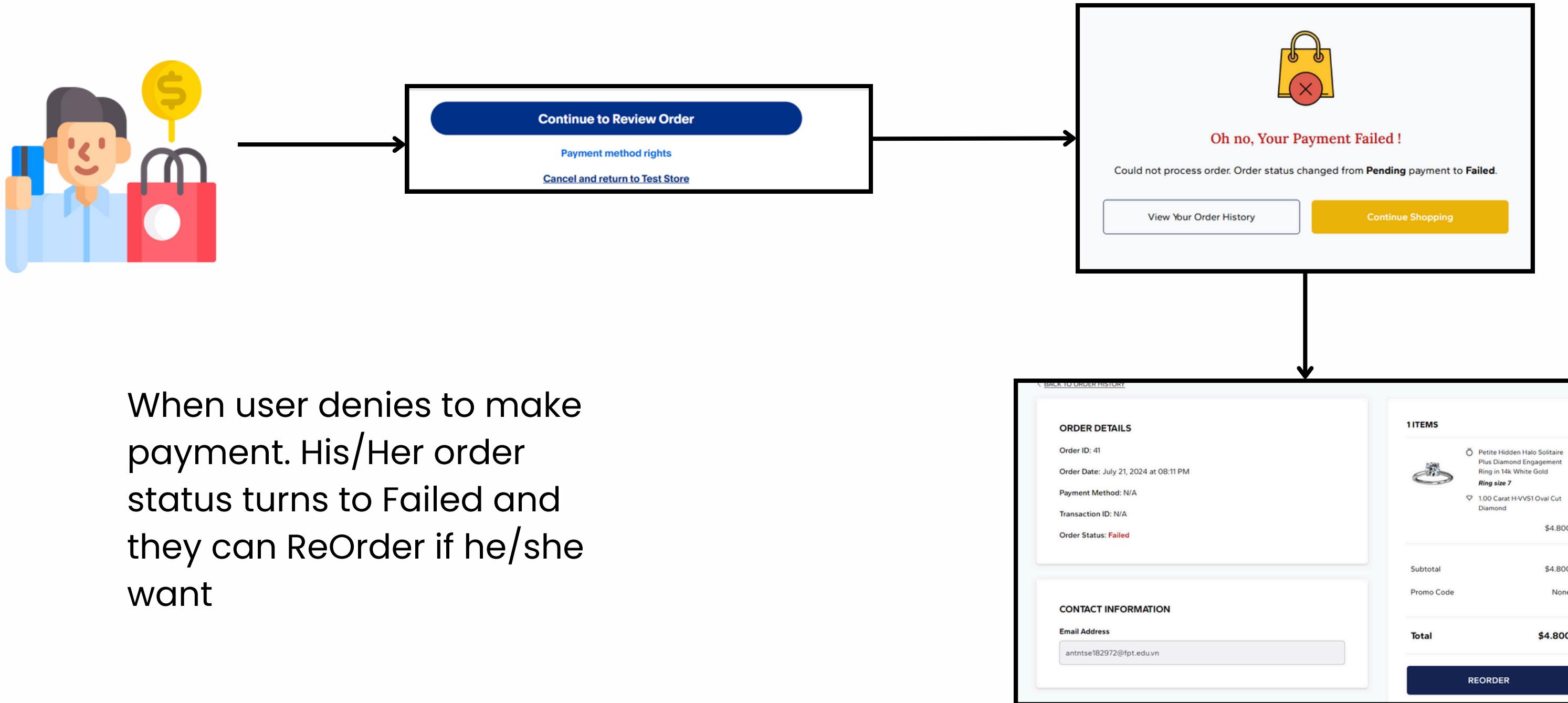
Scenario 8: Customer order some product which available quantity is not enough



*This product quantity is 2

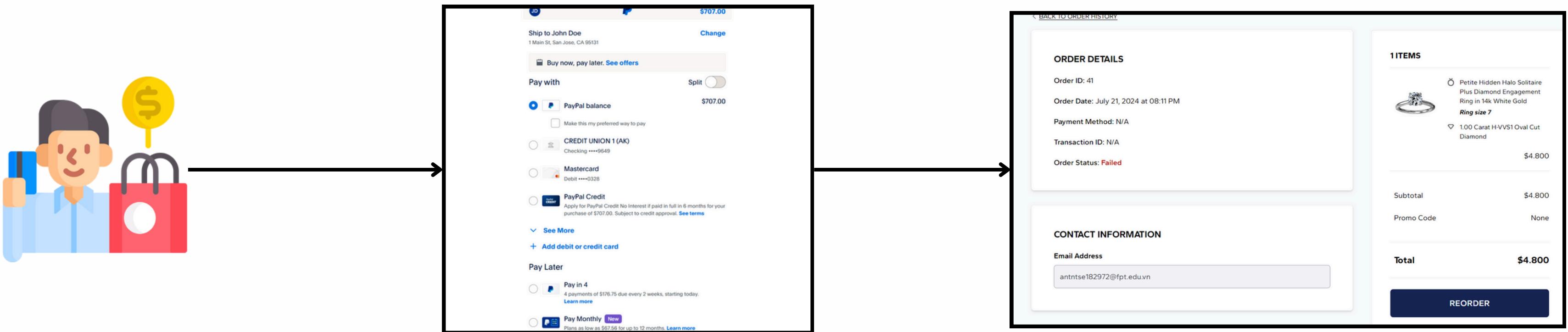
5. DEMONSTRATION - CUSTOMER SITE

Scenario 8: Customer's denied to make payment



5. DEMONSTRATION - CUSTOMER SITE

Scenario 8: Time out for making payment



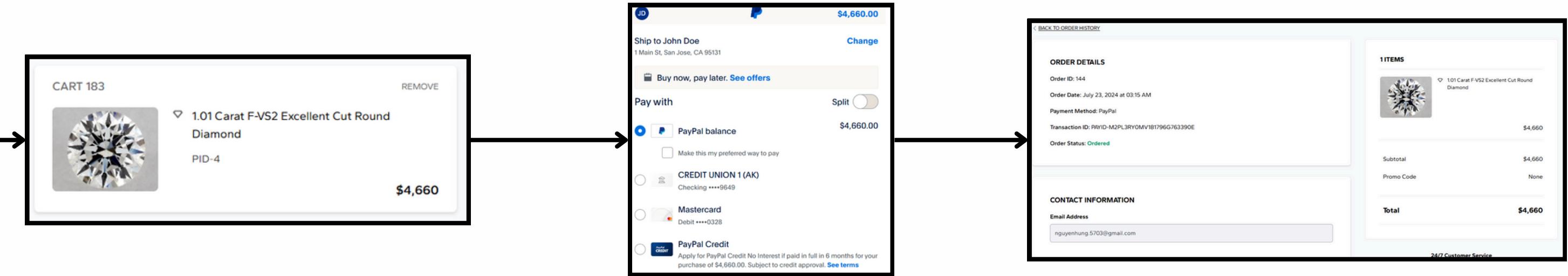
*When user do not pay the order in time (5 minutes).

5. DEMONSTRATION - CUSTOMER SITE

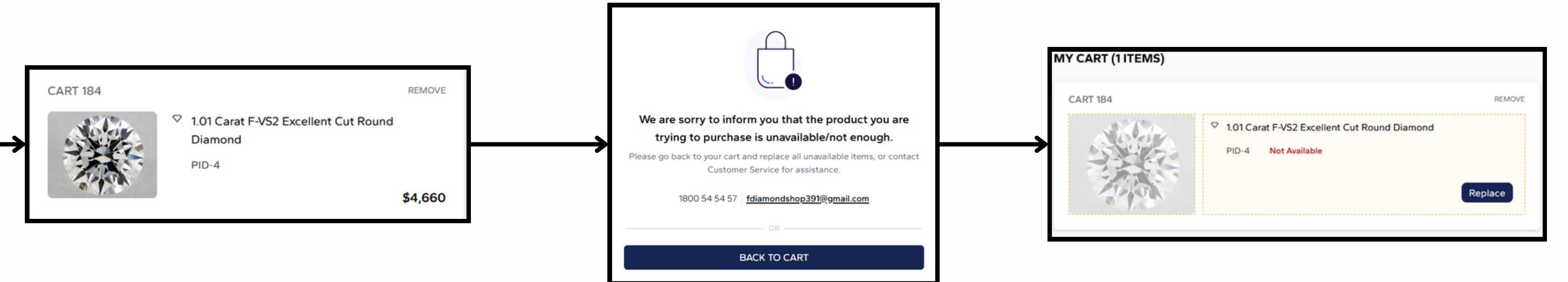
Scenario 8: Two or more customers are make payment for same diamond at the same time.



Customer 1



Customer 2



*Make payment at same time

6.OUTCOMES

Lesson Learn

- Teamwork
- Time management
- Project management
- New technology

Application Achievement

- Online website for buying Diamond and jewellery
- Customer: View product, add product to cart, apply discount code, order, make payment via Paypal
- Admin: CRUD Product: Discount Code, manage order, view dashboard

6.OUTCOMES

Project Deliverables

- Source code:
<https://github.com/quochungg/FDiamondShop.git>
- Project Management:
<https://duyenntbse183629.atlassian.net/>
- Document:
https://docs.google.com/document/d/1KStpC8Z2f0te3t9XLxPAABaqf7SuWLAn/edit?usp=drive_link&ouid=108552960582977013912&rtpof=true&sd=true

Limitations

- Only support 1 payment gateway(Paypal)
- Do not support delivery
- Do not support multiple language



THANK YOU FOR YOUR LISTENING

Q & A



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