



PROJECT PRESENTATION

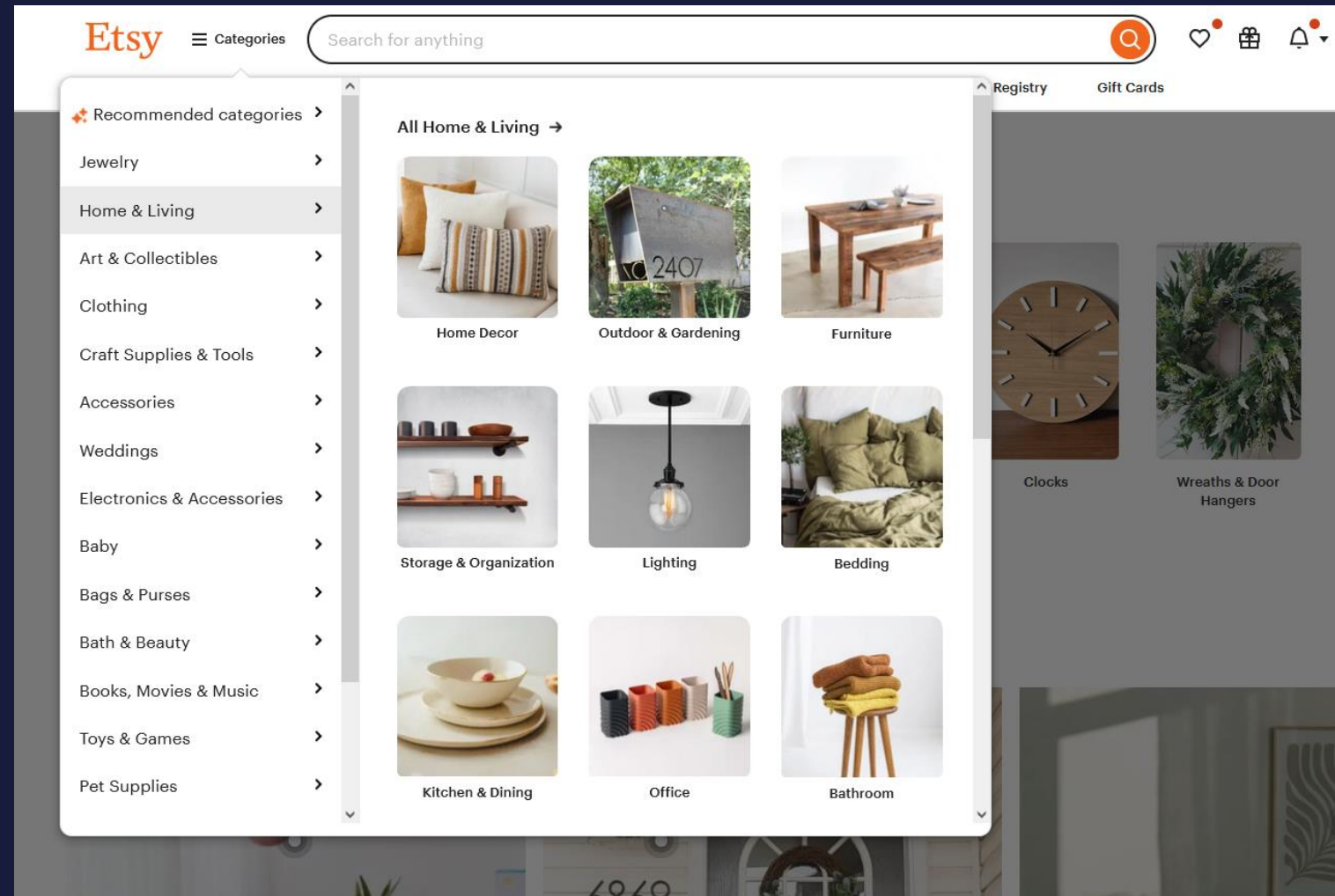
WEB DEVELOPMENT II

Tamara Plante | Dong Huang | Iana Setrakova

# PROJECT PURPOSE

## Marketplace for Unique Products

- Connect Creators and Shoppers
- Easy Browsing
- Enhance the Shopping Experience



# PROJECT SOLUTION

## Features and Functionalities

- Google Sign-In Authentication
- Use @react-oauth/google
- Allow the same users to log in with google or password via email

### Register a new user

REGISTER



Sign in with Google

### Account Settings

denis

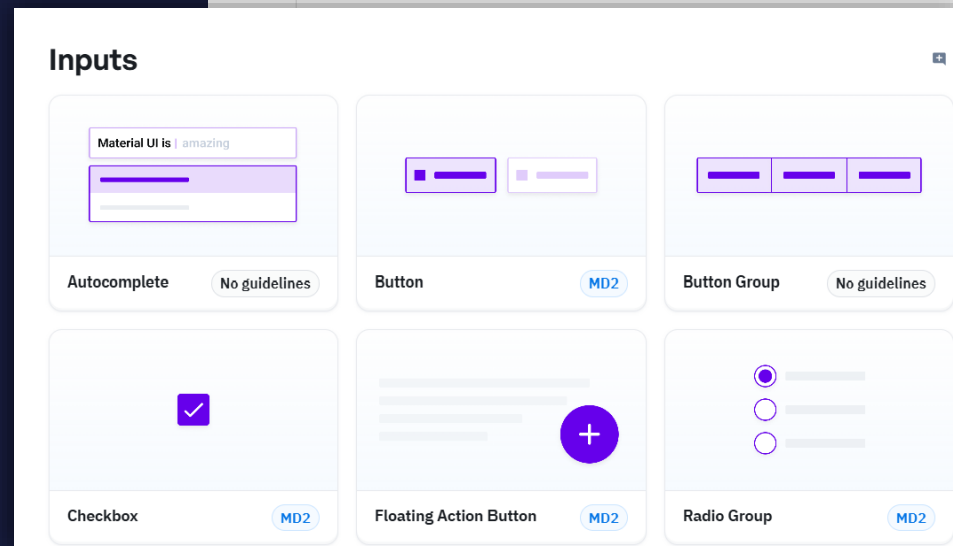
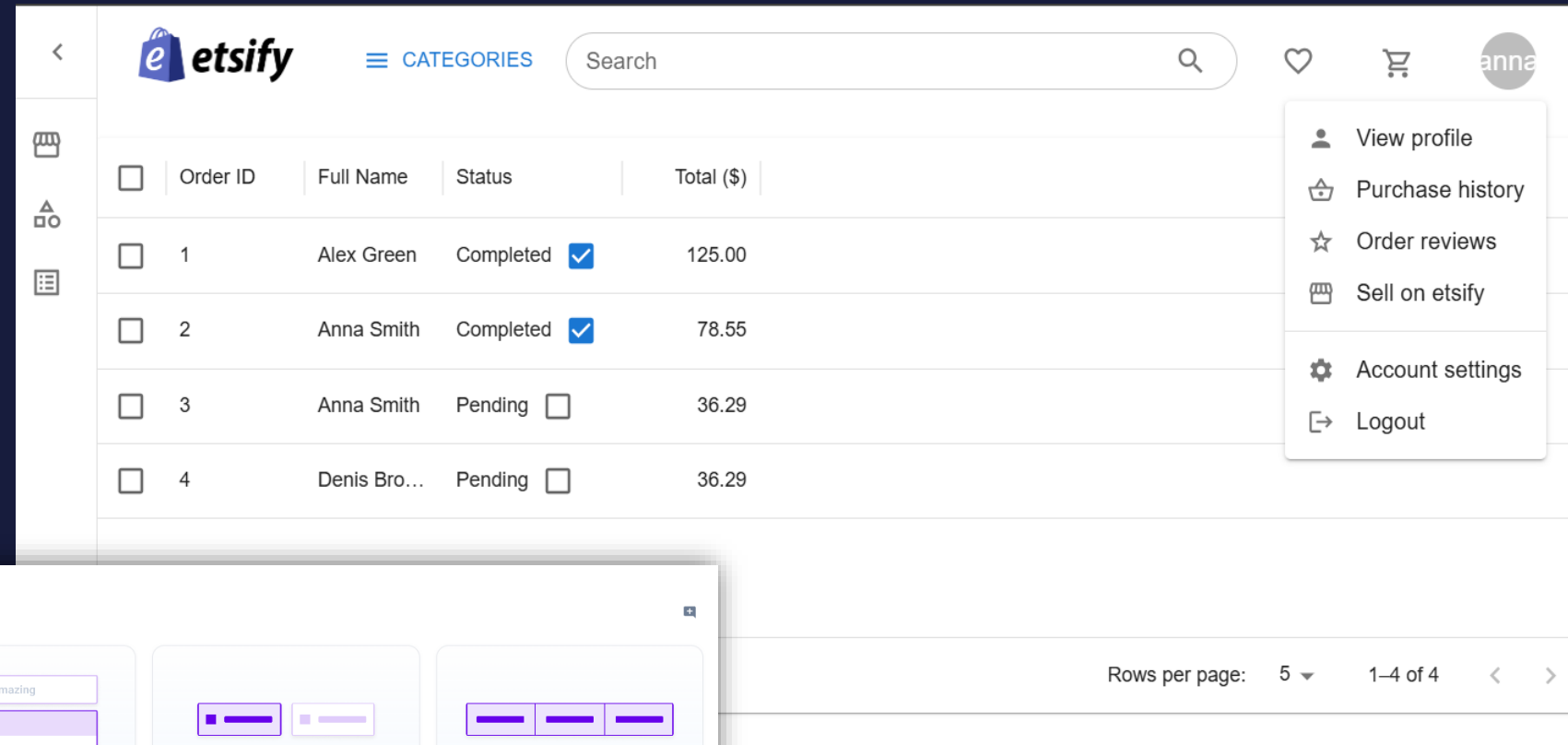
Denis Brown

SAVE CHANGES

# PROJECT SOLUTION

## Features and Functionalities

- Material UI



# PROJECT SOLUTION

## Features and Functionalities

- Dashboard
  - Managing store information

### Create a New Store

1

2


Store Preferences


Store Details

Store country

NEXT



 CATEGORIES Search



Store Name

Joyful Crafts

Store Description

Joyful Crafts offers a delightful selection of handmade treasures that bring happiness and creativity into your life, perfect for gifts or adding a personal touch to your home.

Edit Store Information

Store Name

Joyful Crafts

Store Description

Joyful Crafts offers a delightful selection of handmade treasures that bring happiness and creativity into your life, perfect for gifts or adding a personal touch to your home.

Logo Image (JPG, GIF, PNG, max 10 MB)

UPLOAD LOGO

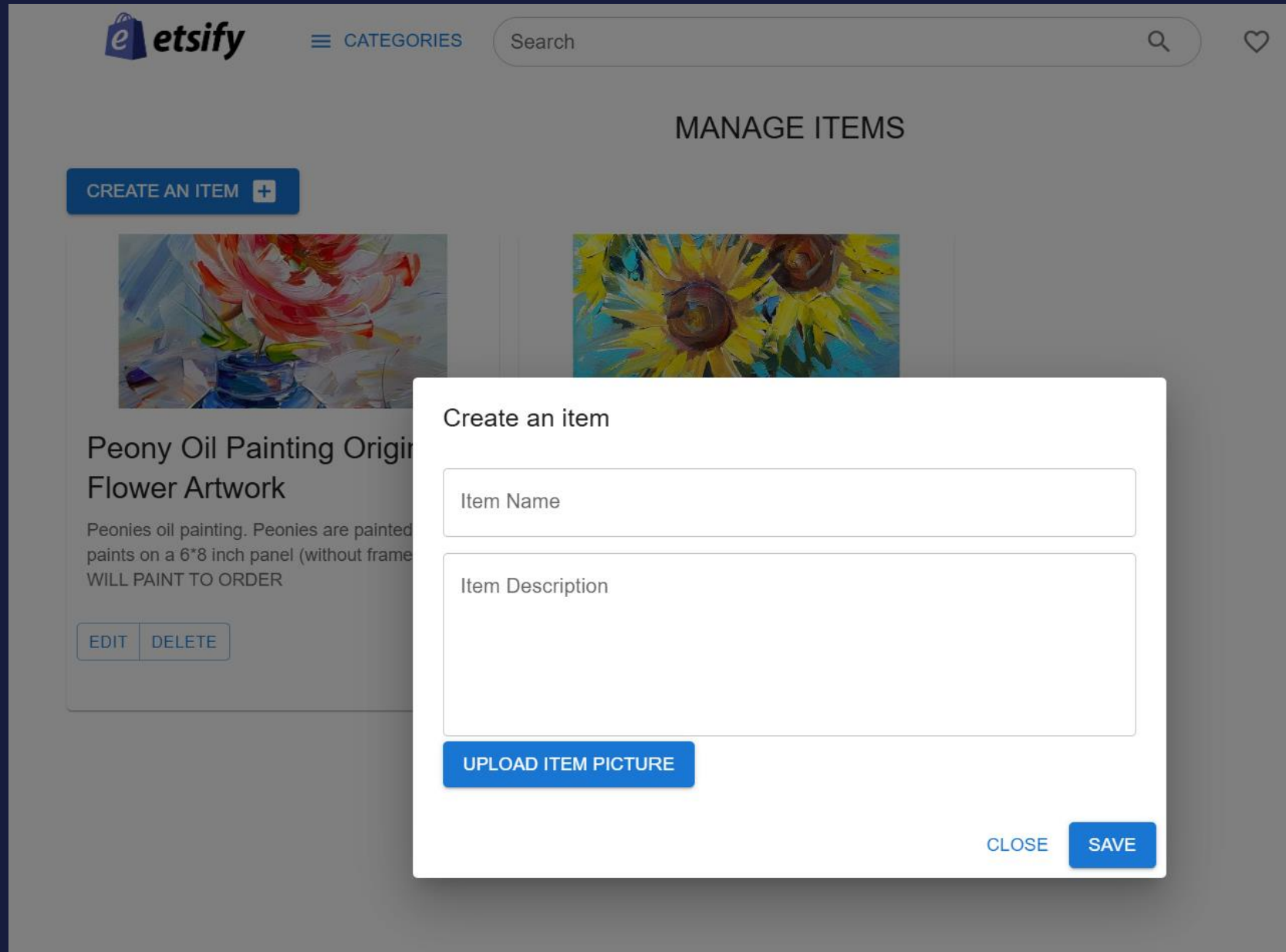
CLOSE

SAVE

# PROJECT SOLUTION

## Features and Functionalities

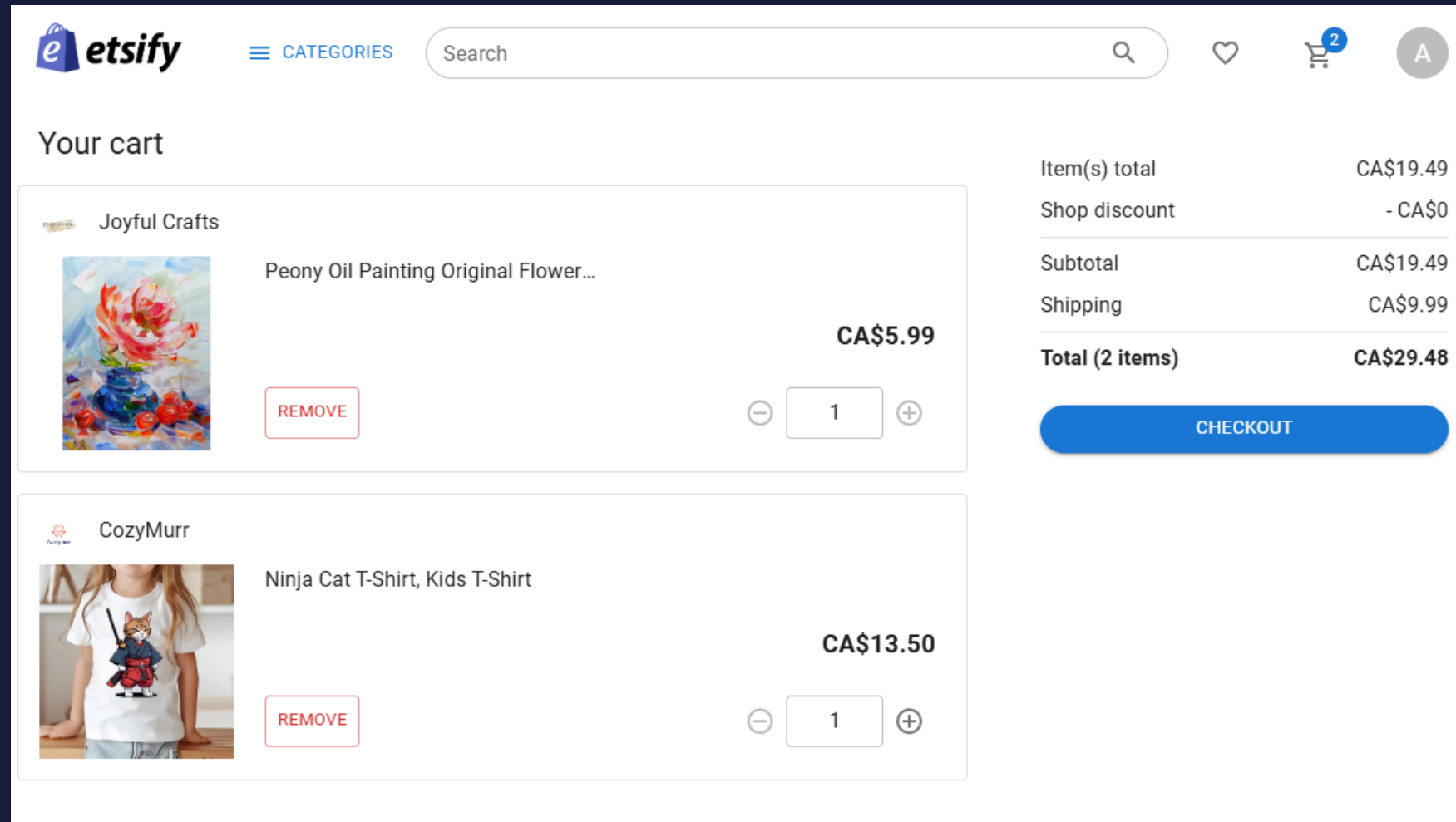
- Dashboard
  - Managing items



# PROJECT SOLUTION

## Features and Functionalities


Cart view with a cart badge



# PROJECT SOLUTION


## Features and Functionalities


- Stripe payment enabled




CATEGORIES

Search







Order Summary

Cartoon Carrot Dog Chew Toy- Bite-Proof Cotton Rope

\$252.00

Quantity: 12

Activity Board, Best Gift for Toddler

\$952.00

Quantity: 7

Calming Cat Bed - Donut Cat Bed - Fluffy Pet Bed

\$176.00

Quantity: 4

Item(s) total

CA\$201

Shop discount

- CA\$0

Subtotal

CA\$201

Shipping

CA\$9.99

Total (3 items)

CA\$210.99

Payment Details

Card

WeChat Pay

Alipay

Card number

4242 4242 4242 4242

VISA

Expiration date

08 / 28

Security code

123

Country

Canada

Postal code

M5T 1V2

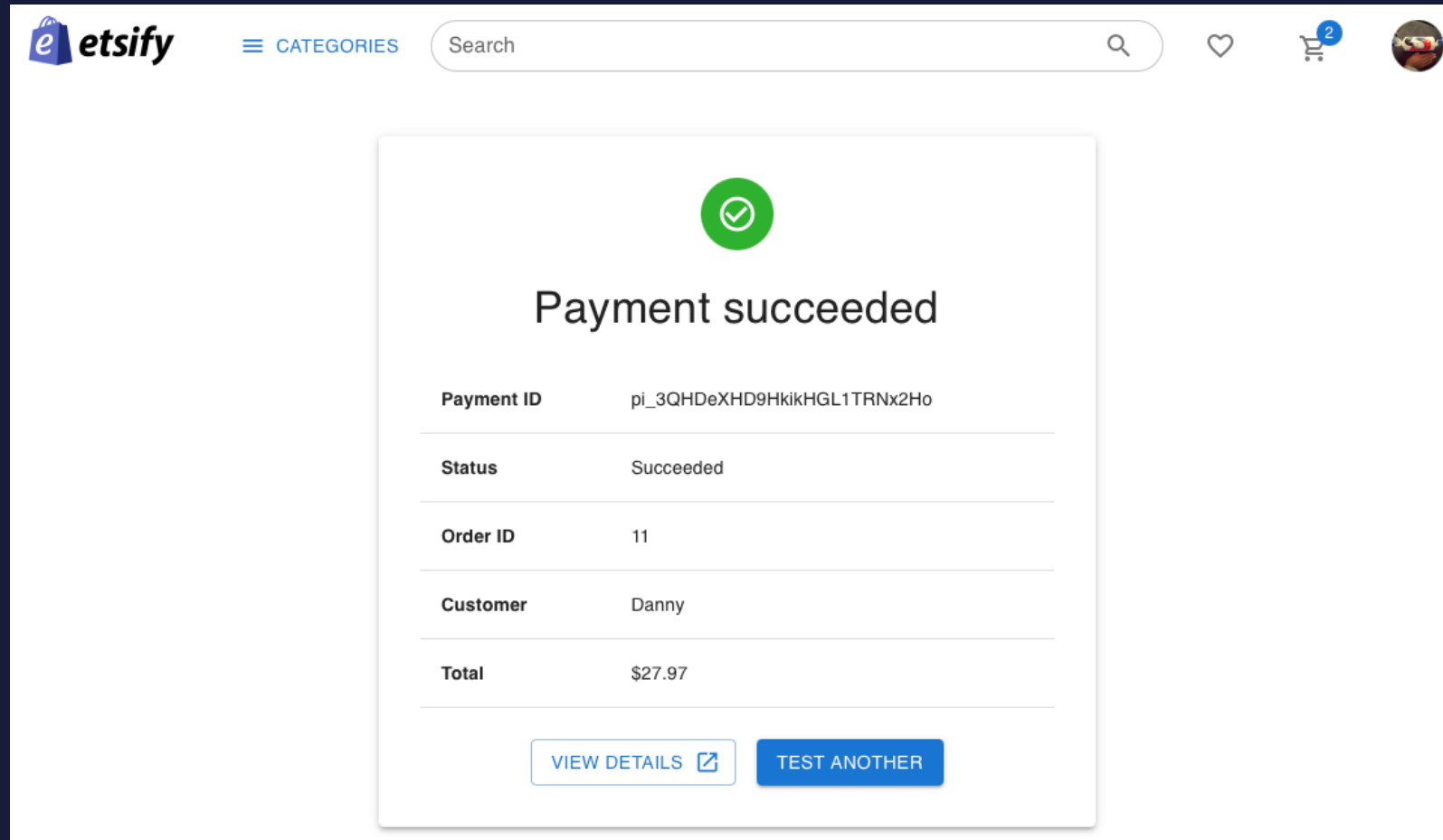
PAY NOW



# PROJECT SOLUTION

## Features and Functionalities

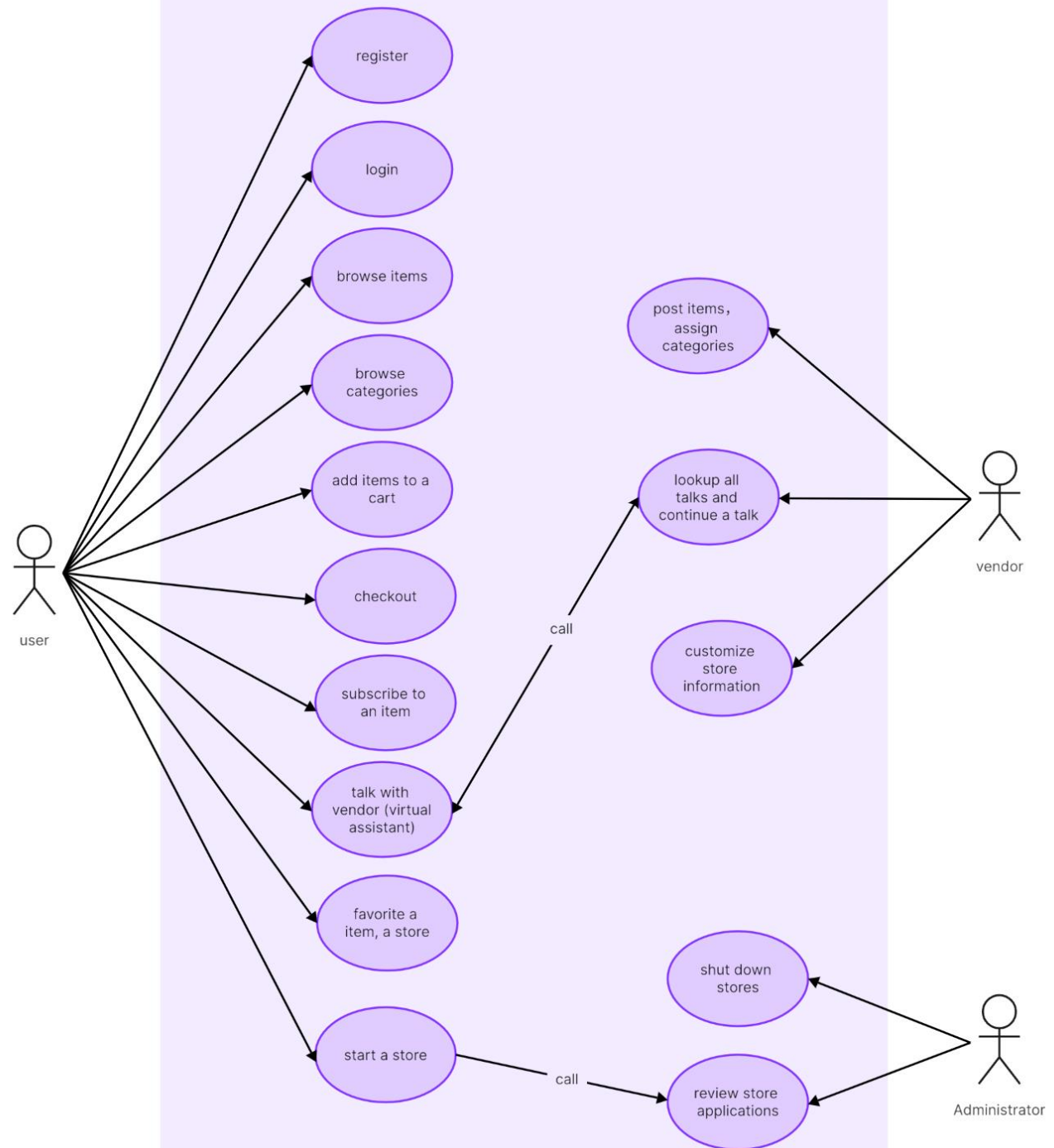
- Cart checkout



# PROJECT SOLUTION

## USE CASE DIAGRAM

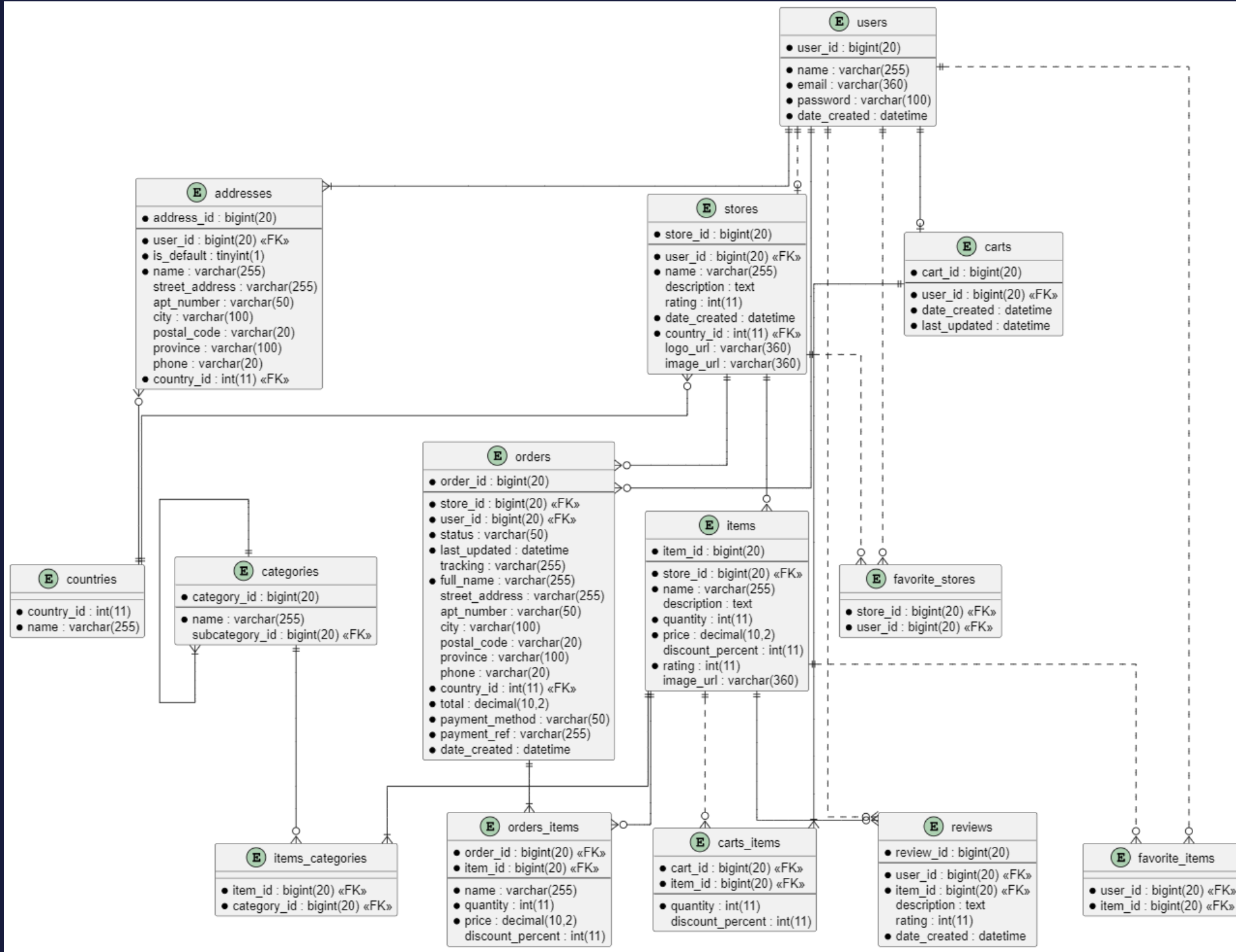
- User
- Vendor
- Administrator



# PROJECT SOLUTION

## E/R DIAGRAM

Using Sequelize



# PROJECT SOLUTION

TRELLO

The screenshot shows a Trello board titled 'Etsify' with four columns: 'Future improvement', 'BackLog', 'StartedInProgress', and 'Finished'. Each column contains cards representing tasks, many with progress bars and assigned team members (IS, DH, SA, TP). The 'BackLog' column has a white border around the first card.

**Etsify** ☆ 👤 🗂 Board ▾ 🔔 ⚡ ⚙ Filters IS DH SA TP Share

**Future improvement** →↔ ⋮

- user can log in use google auth
- user can management long in clients and kick a client
- user can checkout
- user can subscribe to an item
- user can talk with vendor (virtual assistant)
- user can share an item to social media
- vendor can look up all talk history and continue a talk
- admin can Build reporting and reconciliation pipeline

+ Add a card

**BackLog** →↔ ⋮

- user can add items to a cart (0/7)
- user can browse store items
- vendor can post items, assign categories, to their store
- vendor can customize their store information (0/2)
- vendor create and manage subscriptions
- user can manage a store (0/2)

+ Add a card

**StartedInProgress** →↔ ⋮

- user can register (10/11)
- user can navigate the website (6/10)
- user can view a single item listing (6/9)
- user can log in (9/10)
- user can start a store (4/5)
- user can browse items (3/9)
- user can use google login

+ Add a card

**Finished** →↔ ⋮

- Project setup (5/5)
- user can checkout (7/7)

+ Add a card

# PROJECT SOLUTION GITHUB

- 2 Projects
- Individual branches
- Product (special)

Branches

New branch

Overview

Yours

Active

Stale

All

Q

Search branches...

Default

Branch	Updated	Check status	Behind	Ahead	Pull request	
<div>main</div>	<div>24 minutes ago</div>	<div>✓ 1 / 1</div>			<div>Default</div>	<div>🗑️ ...</div>

Your branches

Branch	Updated	Check status	Behind	Ahead	Pull request	
<div>yana</div>	<div>28 minutes ago</div>	<div>✓ 2 / 2</div>	<div>1</div>	<div>0</div>	<div>#38</div>	<div>🗑️ ...</div>

Active branches

Branch	Updated	Check status	Behind	Ahead	Pull request	
<div>tamara</div>	<div>21 minutes ago</div>	<div>✓ 1 / 1</div>	<div>8</div>	<div>0</div>		<div>🗑️ ...</div>
<div>yana</div>	<div>28 minutes ago</div>	<div>✓ 2 / 2</div>	<div>1</div>	<div>0</div>	<div>#38</div>	<div>🗑️ ...</div>
<div>hddev</div>	<div>8 hours ago</div>	<div>✓ 2 / 2</div>	<div>11</div>	<div>0</div>	<div>#36</div>	<div>🗑️ ...</div>
<div>revert-30-yana</div>	<div>yesterday</div>	<div>✓ 1 / 1</div>	<div>26</div>	<div>0</div>	<div>#32</div>	<div>🗑️ ...</div>
<div>product</div>	<div>yesterday</div>	<div>✓ 1 / 1</div>	<div>33</div>	<div>0</div>		<div>🗑️ ...</div>

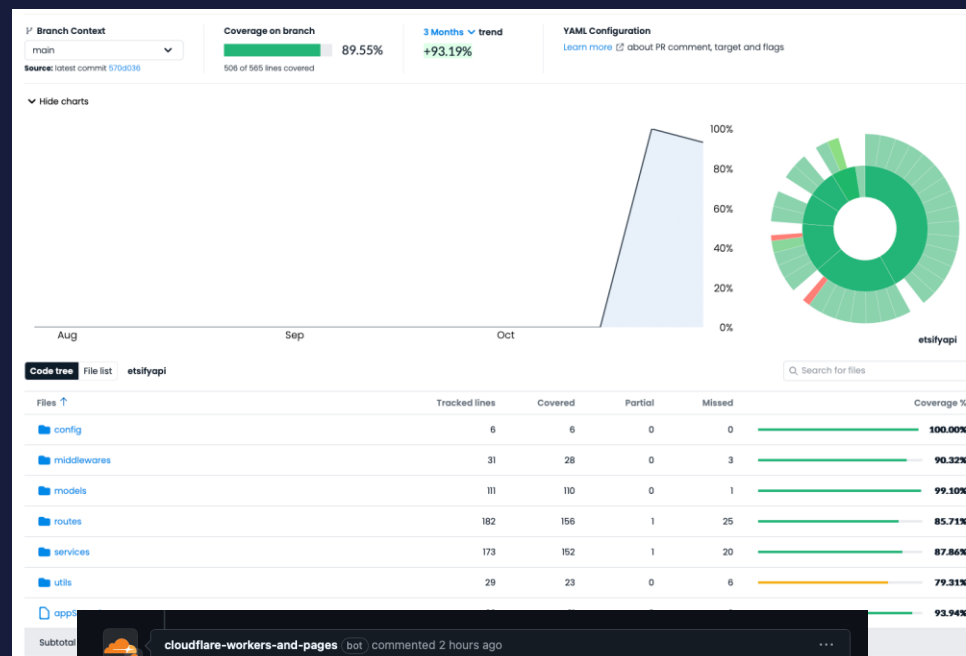
# PROJECT SOLUTION


## Technologies and libraries:

- Vite React, Material UI
- Node.js, Express.js, Sequelize, Jest, supertest
- Cloudflare Pages(Web & CDN) & Heroku(API)
- Database AWS RDS MySQL
- Authentication: JWT
- Google Auth
- Storage: AWS S3
- **zustand for State management**

# CHALLENGES AND SOLUTIONS

- CI – GitHub workflow
- Code coverage
- Safe






cloudflare-workers-and-pages

bot commented 2 hours ago

## Deploying etsyfyweb with Cloudflare Pages

Latest commit:	c7468ae
Status:	✅ Deploy successful
Preview URL:	<a href="https://11f42206.etsyfyweb.pages.dev">https://11f42206.etsyfyweb.pages.dev</a>
Branch Preview URL:	<a href="https://yana.etsyfyweb.pages.dev">https://yana.etsyfyweb.pages.dev</a>

[View logs](#)







codecov-commenter

commented 2 hours ago


## Codecov Report


Attention: Patch coverage is 0% with 165 lines in your changes missing coverage. Please review.

Project coverage is 0.46%. Comparing base ([aadd5d2](#)) to head ([c7468ae](#)).

Files with missing lines	Patch %	Lines
<a href="#">src/pages/StorePage.tsx</a>	0.00%	132 Missing and 1 partial 
<a href="#">src/components/Dashboard/ManageItems.tsx</a>	0.00%	20 Missing 
<a href="#">src/pages/SingleItem.tsx</a>	0.00%	9 Missing 
<a href="#">src/App.tsx</a>	0.00%	3 Missing 

▶ Additional details and impacted files

 [View full report in Codecov by Sentry.](#)

 Have feedback on the report? [Share it here.](#)

- o 0/0 1.1s
- ✓ ☒ **etsifyapi** (watch)
- ✓ ☒ **test**
- ✓ ☒ **middlewares**
- ✓ ☒ **error-handler.test.js**
- ✓ ☒ **Error Handler Middleware**
- ✓ ☒ should handle ApiError with errors
- ✓ ☒ should handle ApiError without errors
- ✓ ☒ should handle generic errors
- ✓ ☒ **routers**
- ✓ ☒ **carts.test.js**
- ✓ ☒ **GET /api/carts**
- ✓ ☒ getCount() it should fail finding the user
- ✓ ☒ getCount() it should return count 0 for non existent cart
- ✓ ☒ getCount() it should return count for existing cart
- ✓ ☒ getItems() it should fail finding the user
- ✓ ☒ getItems() it should fail finding a cart
- ✓ ☒ getItems() it should return cart items
- ✓ ☒ **POST /api/carts**
- ✓ ☒ addItem() it should fail finding the user
- ✓ ☒ addItem() it should fail finding the item
- ✓ ☒ addItem() it should fail finding a cart and creates one
- ✓ ☒ addItem() it should reject an invalid quantity
- ✓ ☒ addItem() it should add an item to cart
- ✓ ☒ **PATCH /api/carts**
- ✓ ☒ updateQuantity() it should fail finding the user
- ✓ ☒ updateQuantity() it should fail finding a cart
- ✓ ☒ updateQuantity() it should fail finding the item
- ✓ ☒ updateQuantity() it should fail find the item in cart
- ✓ ☒ updateQuantity() it should update quantity in cart
- ✓ ☒ **DELETE /api/carts**
- ✓ ☒ **countries.test.js**
- ✓ ☒ **files.test.js**
- ✓ ☒ **index.test.js**
- ✓ ☒ **items-store.test.js**
- ✓ ☒ **orders.test.js**
- ✓ ☒ **payments.test.js**
- ✓ ☒ **POST /create-payment-intent**
- ✓ ☒ should create a payment intent and return clientSecret
- ✓ ☒ should return 400 if items are missing
- ✓ ☒ should return 400 if items contain invalid amounts
- ✓ ☒ **stores.test.js**
- ✓ ☒ **POST /api/stores/**
- ✓ ☒ **GET /api/stores/:store\_id**
- ✓ ☒ **GET /api/stores/**
- ✓ ☒ **PUT /api/stores**
- ✓ ☒ **user.test.js**
- ✓ ☒ **POST /api/users/register**
- ✓ ☒ **POST /api/users/login**
- ✓ ☒ **POST /api/users/logout**

# WHAT WE LEARNED

Technologies:

jest Testing

```
✓ 16 describe('POST /api/users/register', () => {
17   |   afterEach(() => {
18   |     |   jest.clearAllMocks();
19   |   });
20
✓ 21   |   it('it should create a new user and return a success message and token', async () => {
22   |     |   users.findOne.mockResolvedValue(null);
23   |     |   users.create.mockResolvedValue({
24   |     |     |   id: 1,
25   |     |     |   username: 'TestUser',
26   |     |     |   full_name: 'TestName TestFamilyName',
27   |     |     |   email: 'test@example.com',
28   |     |   });
29
30   |     |   const response = await request(app).post('/api/users/register').send({
31   |     |     |   username: 'TestUser',
32   |     |     |   full_name: 'TestName TestFamilyName',
33   |     |     |   email: 'test@example.com',
34   |     |     |   password: 'securePassword',
35   |     |   });
36   |     |   expect(response.status).toBe(201);
37   |     |   expect(response.body).toHaveProperty('success', true);
38   |     |   expect(response.body).toHaveProperty(
39   |     |     |   'message',
40   |     |     |   'User registered successfully'
41   |     |   );
42   |     |   expect(response.body).toHaveProperty('token', 'mockedToken');
43   |   });
44 }
```



# WHAT WE LEARNED

Technologies:

jest Testing

```
232
233 it('should return 500 Internal Server Error when database connection fails', async () => {
234   const SequelizeConnectionError = new Sequelize.ConnectionError(
235     'Database connection failed'
236   );
237   stores.findOne.mockRejectedValue(SequelizeConnectionError);
238
239   const response = await request(app)
240     .put('/api/stores')
241     .set('Authorization', `Bearer ${token}`)
242     .send({
243       name: 'Test Store',
244       description: 'Test Description',
245     });
246
247   expect(response.status).toBe(500);
248   expect(response.body).toHaveProperty('status', 'error');
249   expect(response.body).toHaveProperty(
250     'message',
251     'Database connection failed'
252   );
253 });
254 });
```

# WHAT WE LEARNED

Technologies:

## zustand for State Management

- Small, fast state management
- Persist integration
- Simple used in page by hook
- Simple used in other hook by function

```
21 const { login, isLoggedIn } = useLoginStore();
```

```
24 const { authToken } = useLoginStore.getState();
```

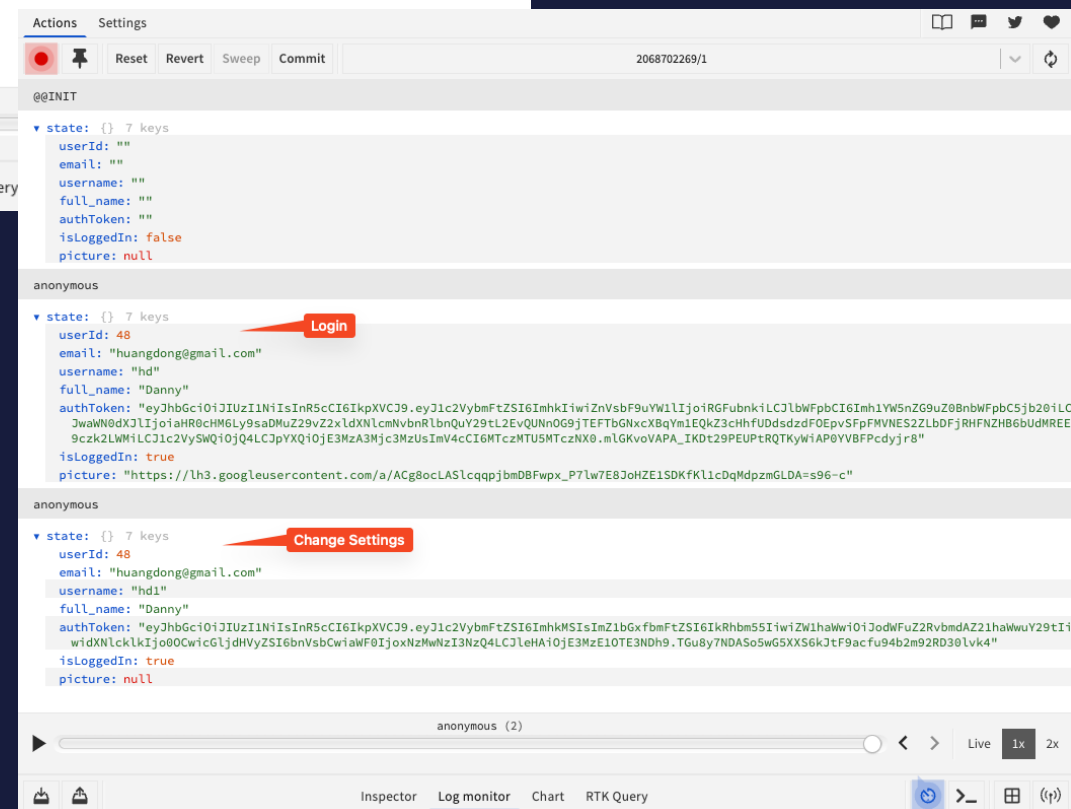
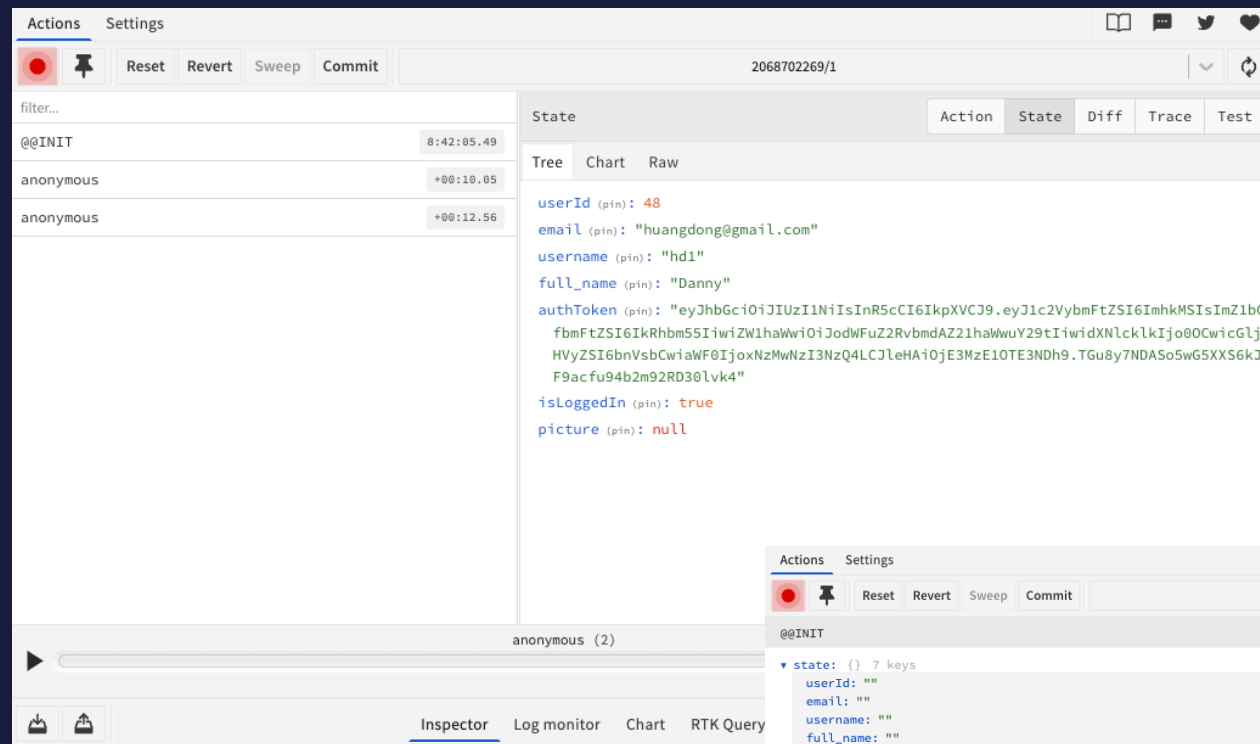
```
34 const useLoginStore = create(  
35   devtools(  
36     persist(  
37       combine(  
38         initialState,  
39         (set) => ({  
40           login: (authToken: string) => {  
41             const decoded = jwtDecode<DecodedToken>(authToken)  
42             set({  
43               userId: decoded.userId,  
44               email: decoded.email,  
45               username: decoded.username,  
46               full_name: decoded.full_name,  
47               authToken,  
48               isLoggedIn: true,  
49               picture: decoded.picture  
50             });  
51           },  
52           logout: () =>  
53             set(initialState)  
54         })  
55       ),  
56       {  
57         name: 'login-storage',  
58         storage: createJSONStorage(() => localStorage),  
59       },  
60     ),  
61     { name: 'login-store', enabled: true }  
62   )  
63 )  
64
```

# WHAT WE LEARNED

Technologies:

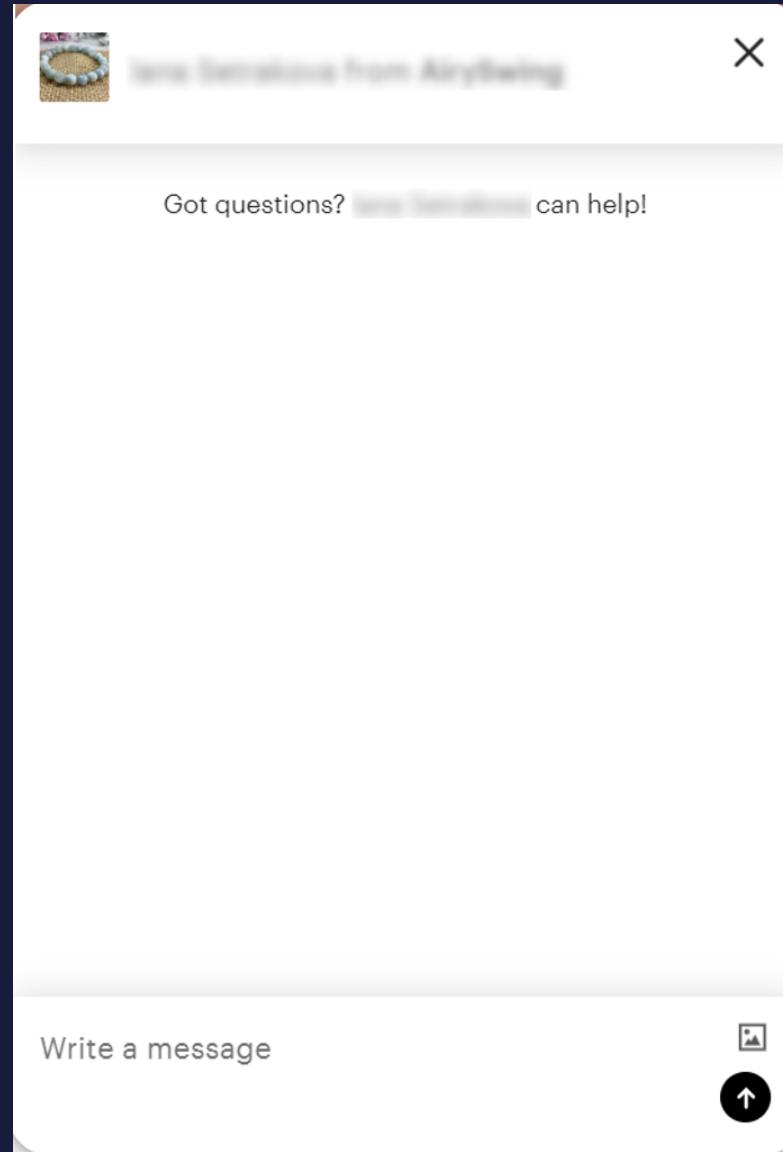
## zustand for State Management

- Compatible with Redux development tools
- View State in real time
- State Change History
- Playback of State changes



## FUTURE WORK

- Enabling a virtual assistant
- Item subscription
- Sharing items in social media
- More complete search functionality
- Browse by category
- More tests for front-end and back-end



# SUMMARY

Fully functional Etsy clone with

- creating stores and managing products
- engaging between sellers and buyers
- enjoying a seamless shopping experience

