



PROJECT PRESENTATION

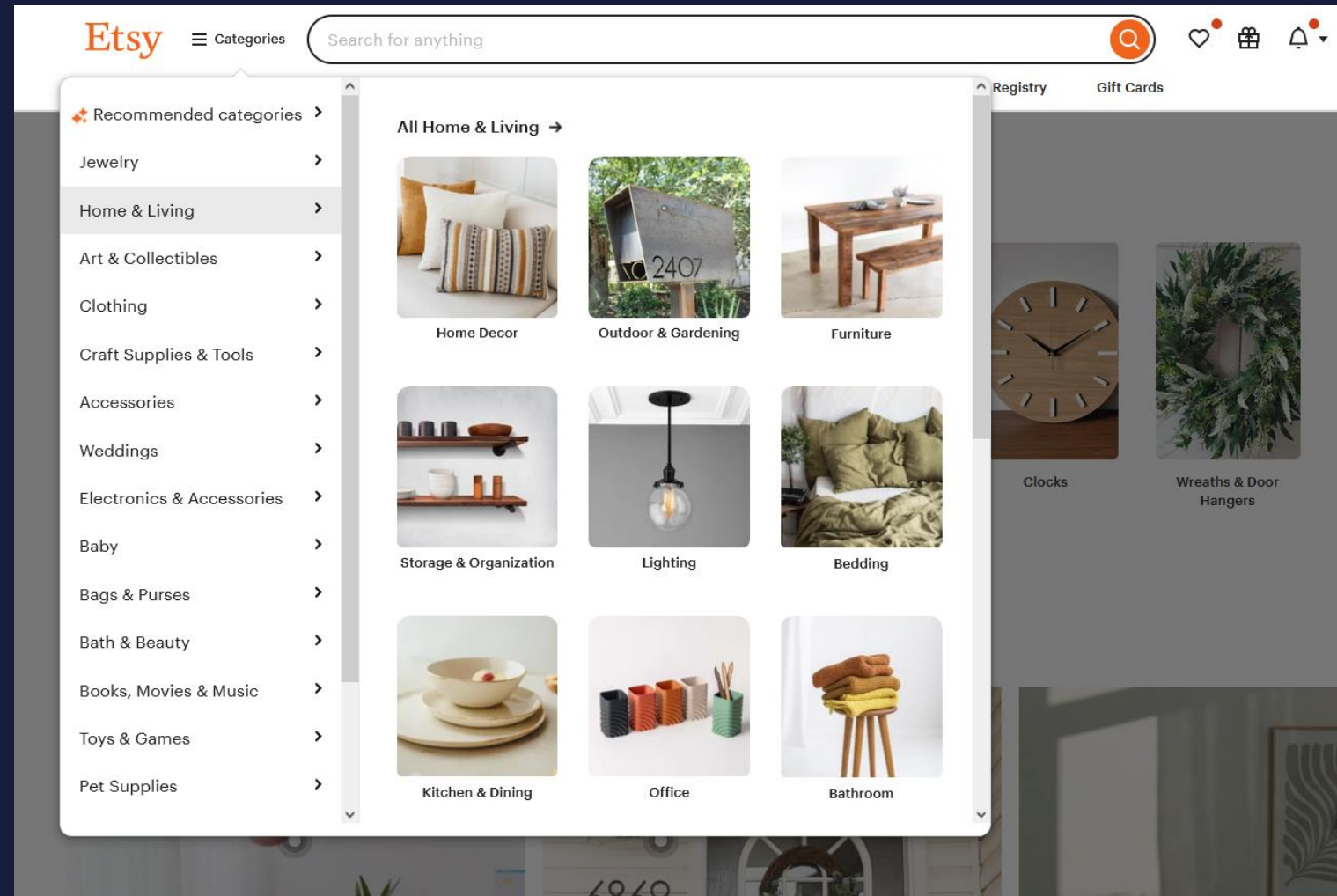
WEB DEVELOPMENT II

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

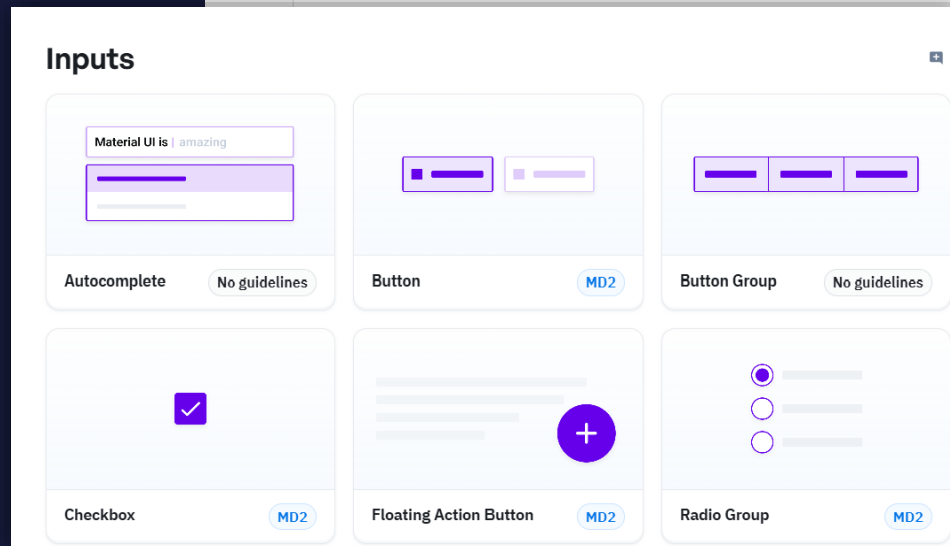
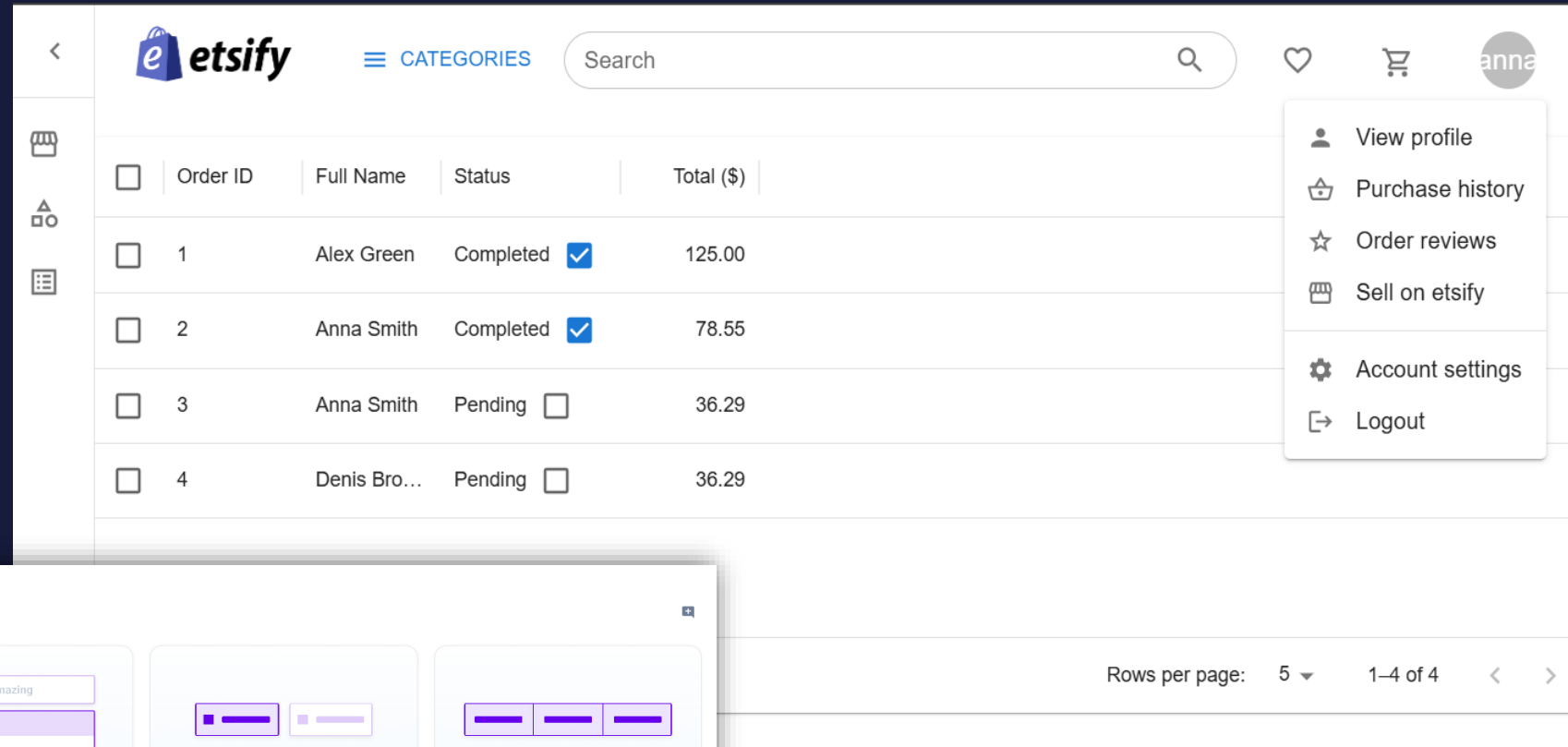
Denis Brown

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 PreferencesStore 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

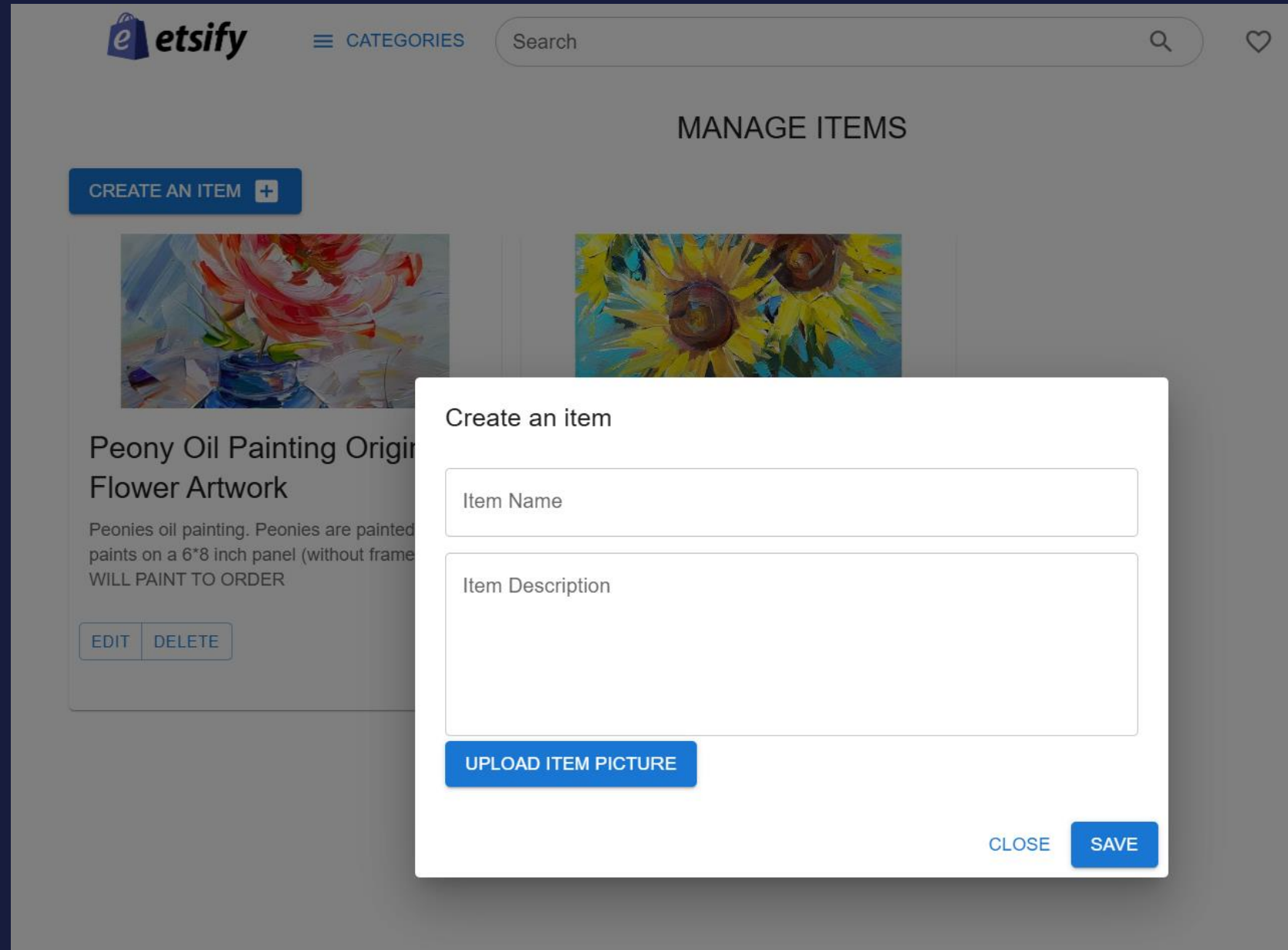
CLOSE

SAVE

PROJECT SOLUTION

Features and Functionalities

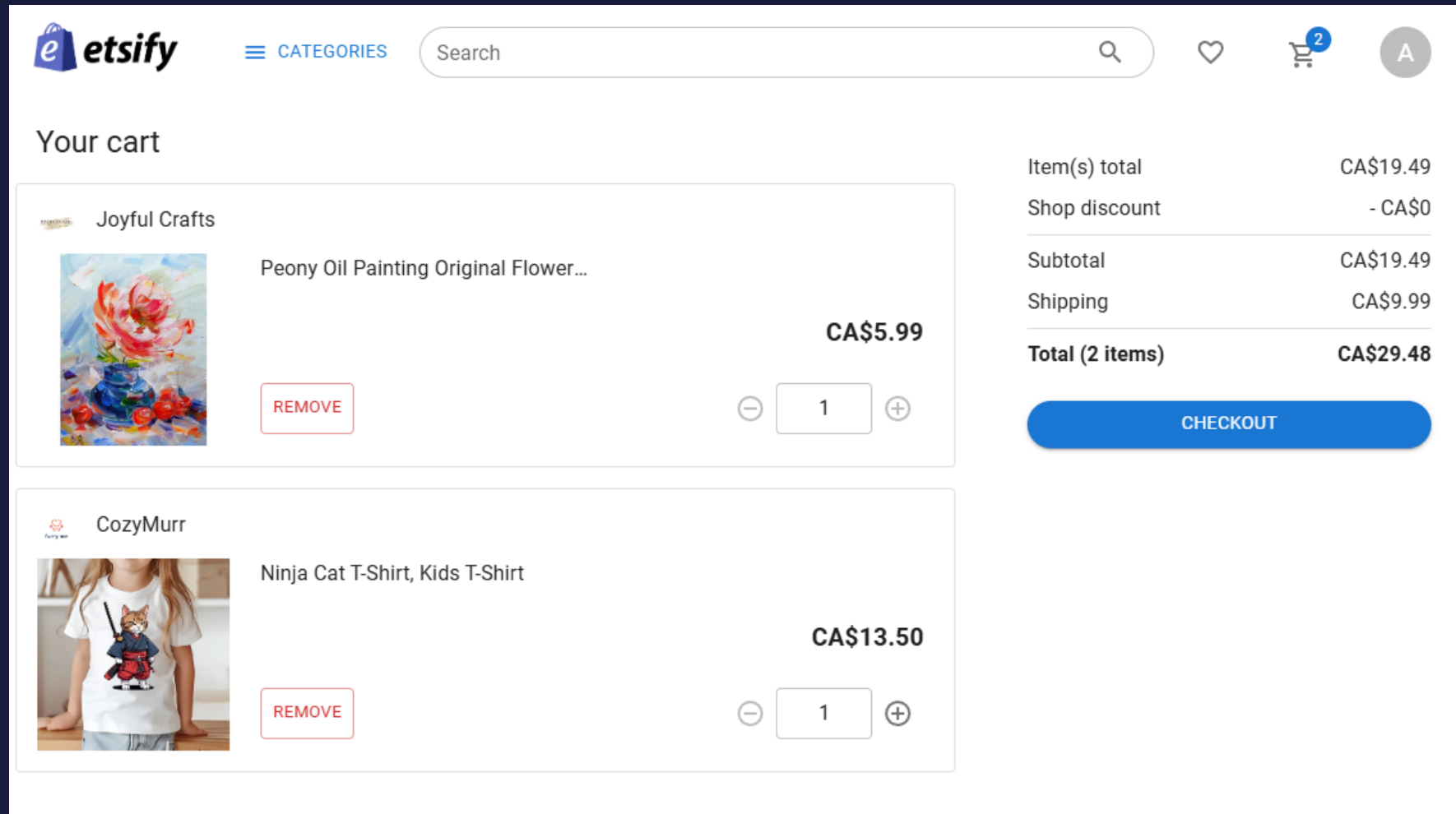
- Dashboard
 - Managing items



PROJECT SOLUTION

Features and Functionalities


Cart view with a cart badge



PROJECT SOLUTION

Features and Functionalities


- Stripe payment enabled



CATEGORIES

Search

3



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

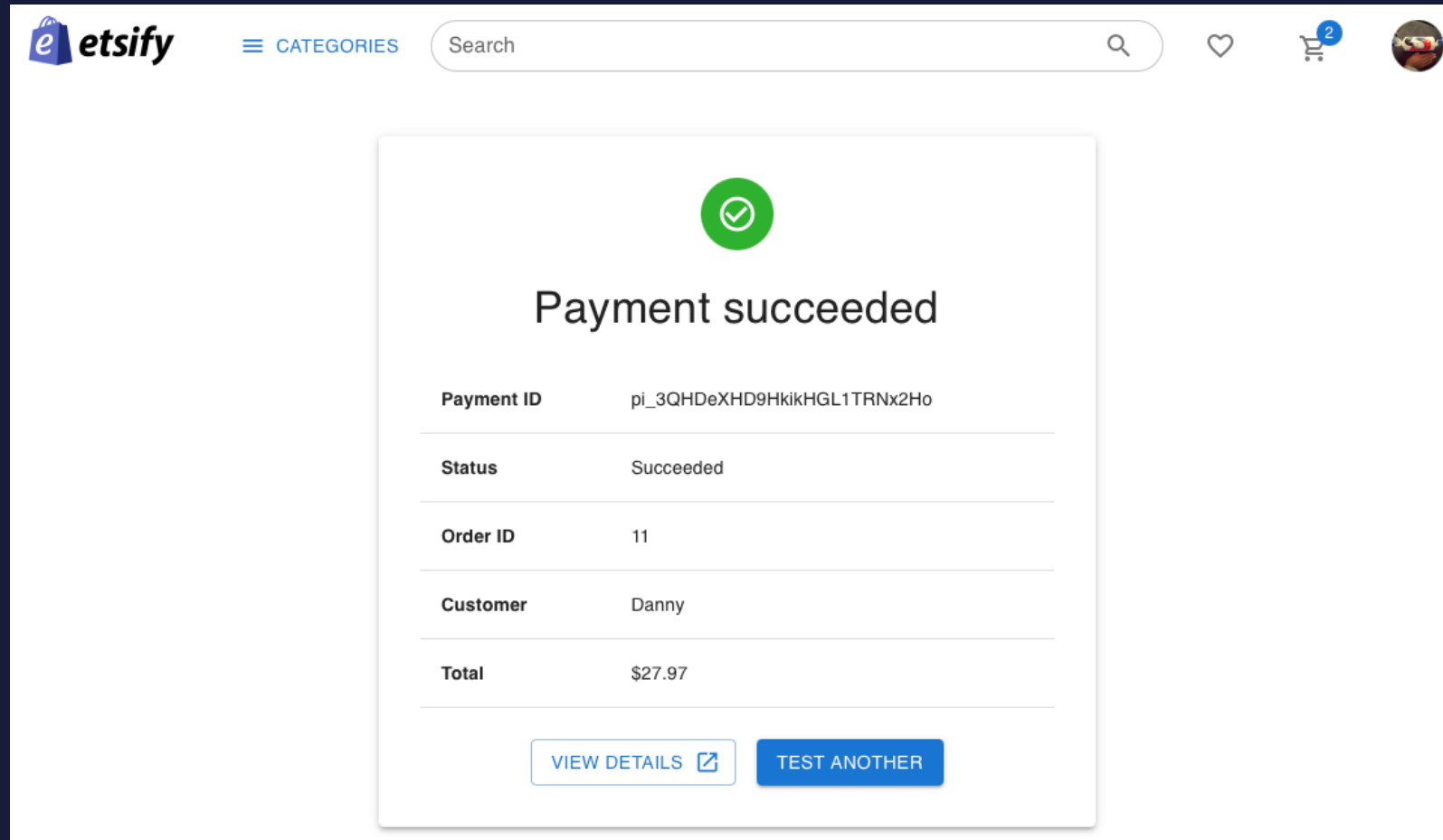
M5T 1V2

PAY NOW

PROJECT SOLUTION

Features and Functionalities

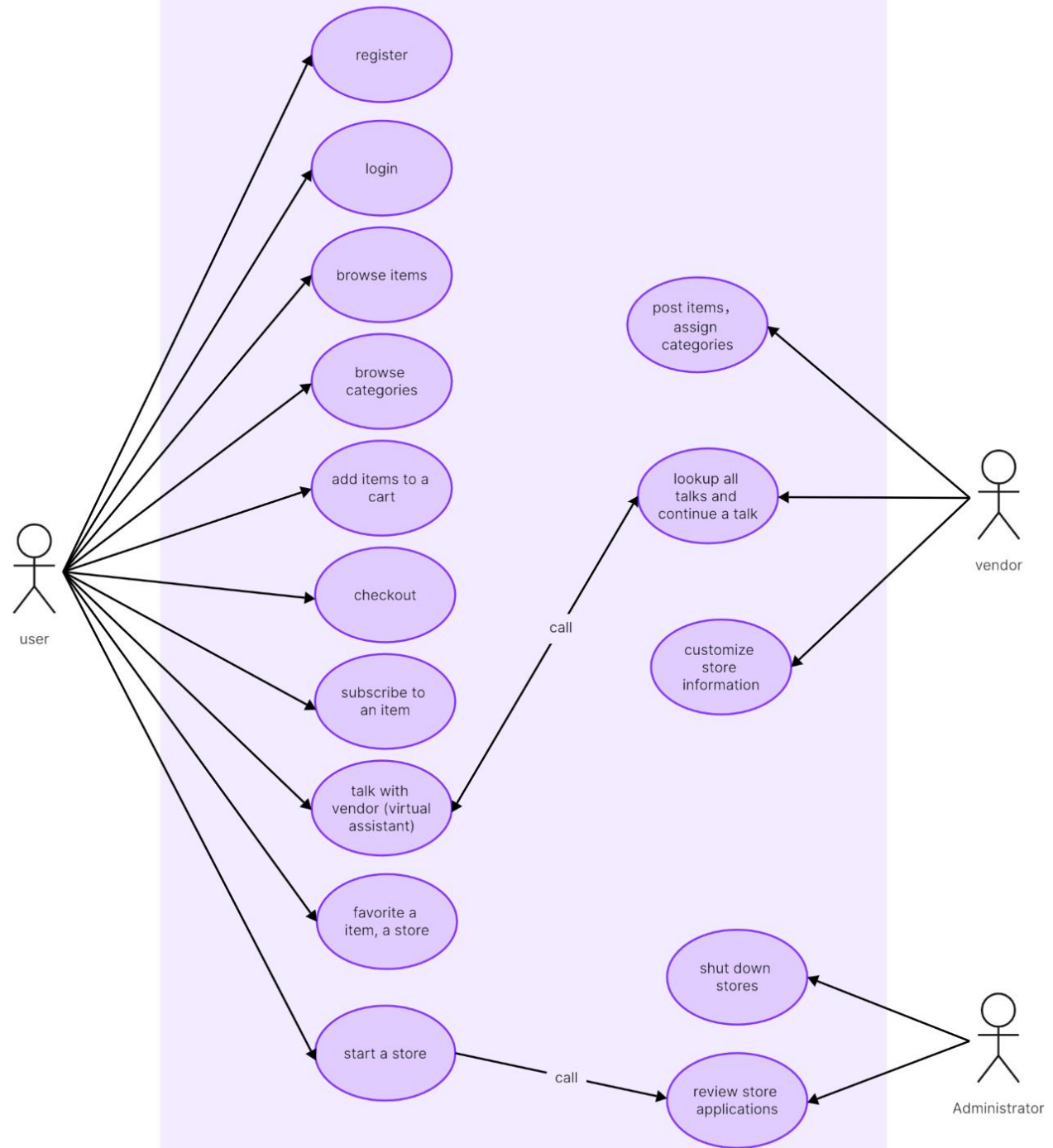
- Cart checkout



PROJECT SOLUTION

USE CASE DIAGRAM

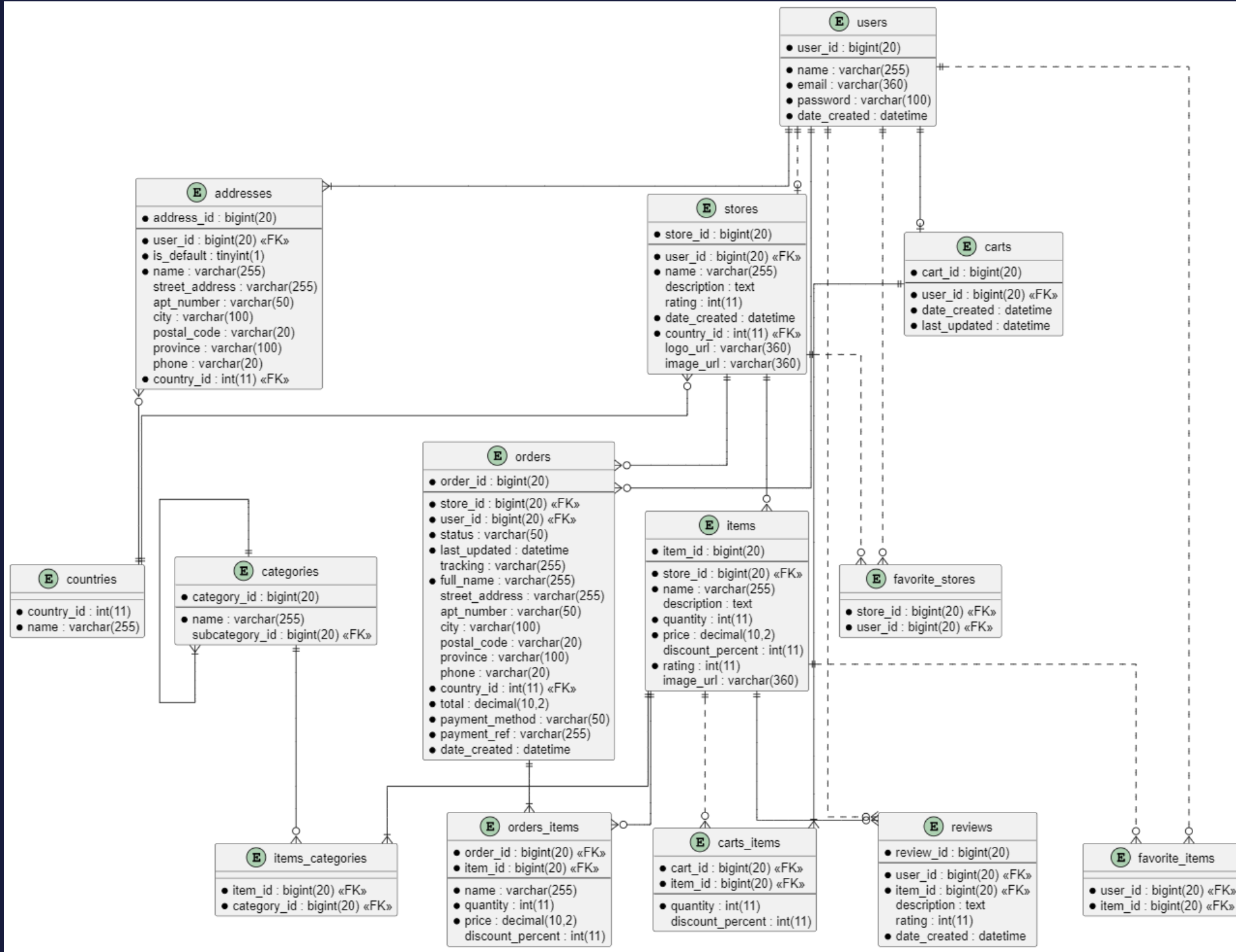
- User
- Vendor
- Administrator



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.

Board: Etsify

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

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)

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

Finished

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

Legend: IS (yellow), DH (orange), SA (red), TP (purple)

PROJECT SOLUTION

GITHUB

- 2 Projects
- Individual branches
- Product (special)

Branches

New branch

OverviewYoursActiveStaleAll

Q Search branches...

Default

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

Your branches

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

Active branches

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

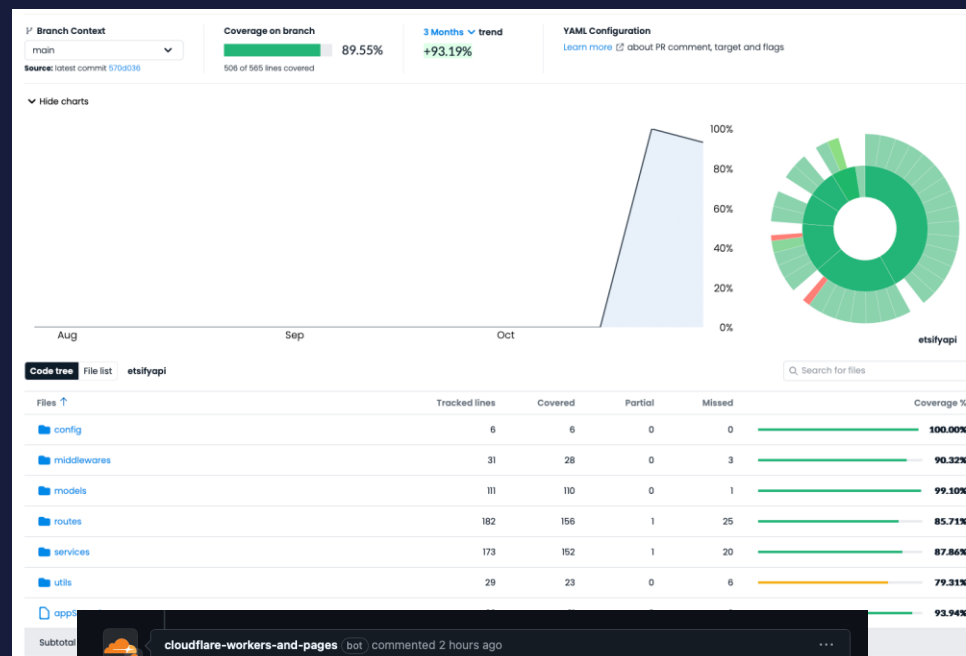
PROJECT SOLUTION


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:	https://11f42206.etsyfyweb.pages.dev
Branch Preview URL:	https://yana.etsyfyweb.pages.dev

[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
src/pages/StorePage.tsx	0.00%	132 Missing and 1 partial 
src/components/Dashboard/ManageItems.tsx	0.00%	20 Missing 
src/pages/SingleItem.tsx	0.00%	9 Missing 
src/App.tsx	0.00%	3 Missing 

► Additional details and impacted files

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

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

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();
```

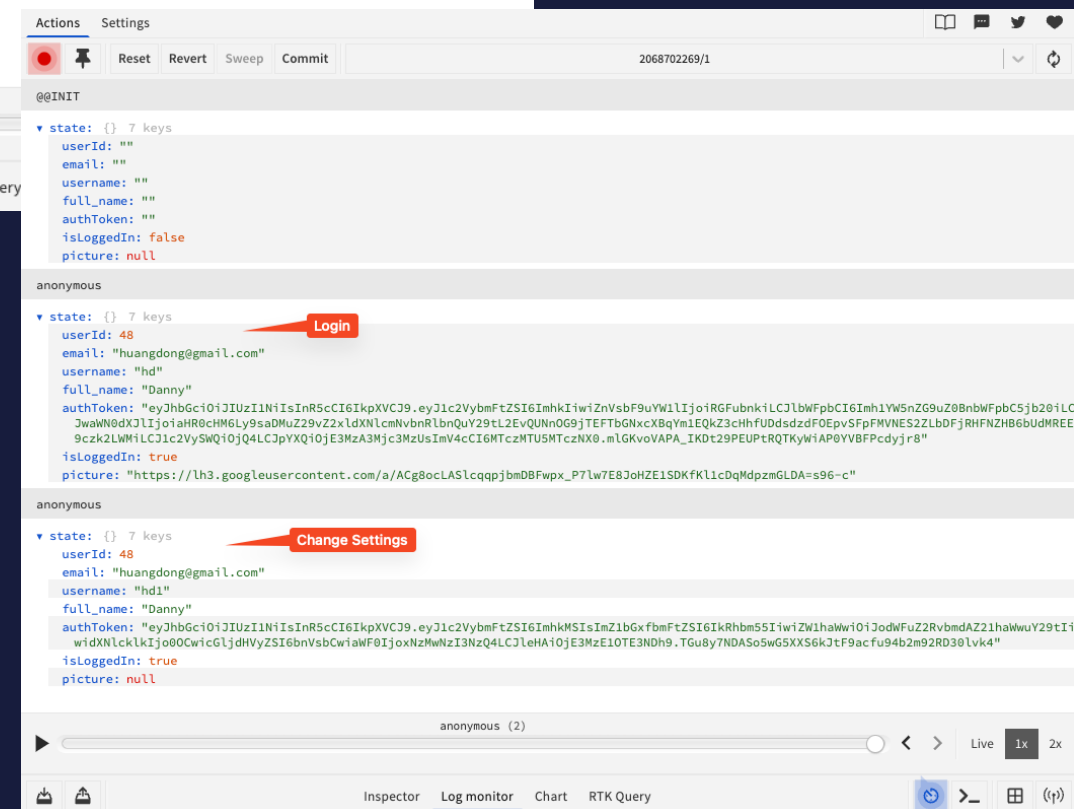
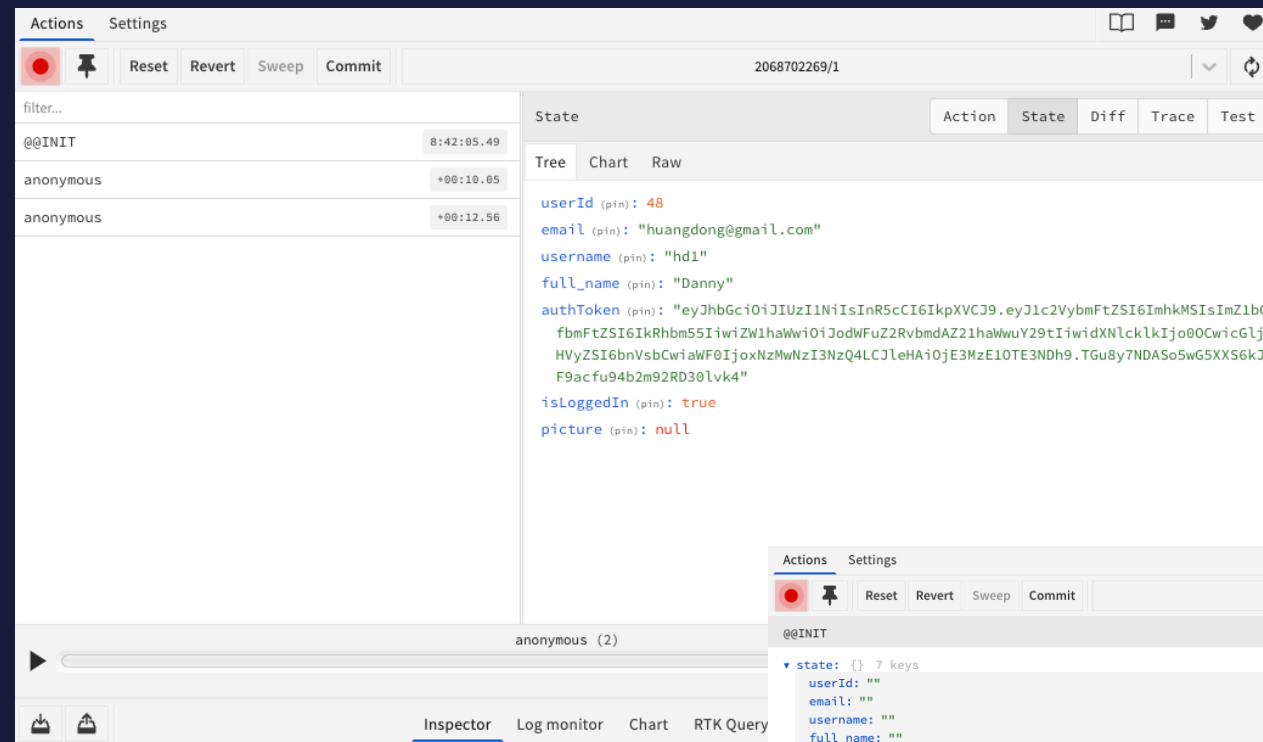
```
34 const useLoginStore = create(  
35   devtools(  
36     persist(  
37       combine(  
38         initialState,  
39         (set) => ({  
40           login: (authToken: string) => {  
41             const decoded = jwtDecode<DecodedToken>(authToken)  
42             set({  
43               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:

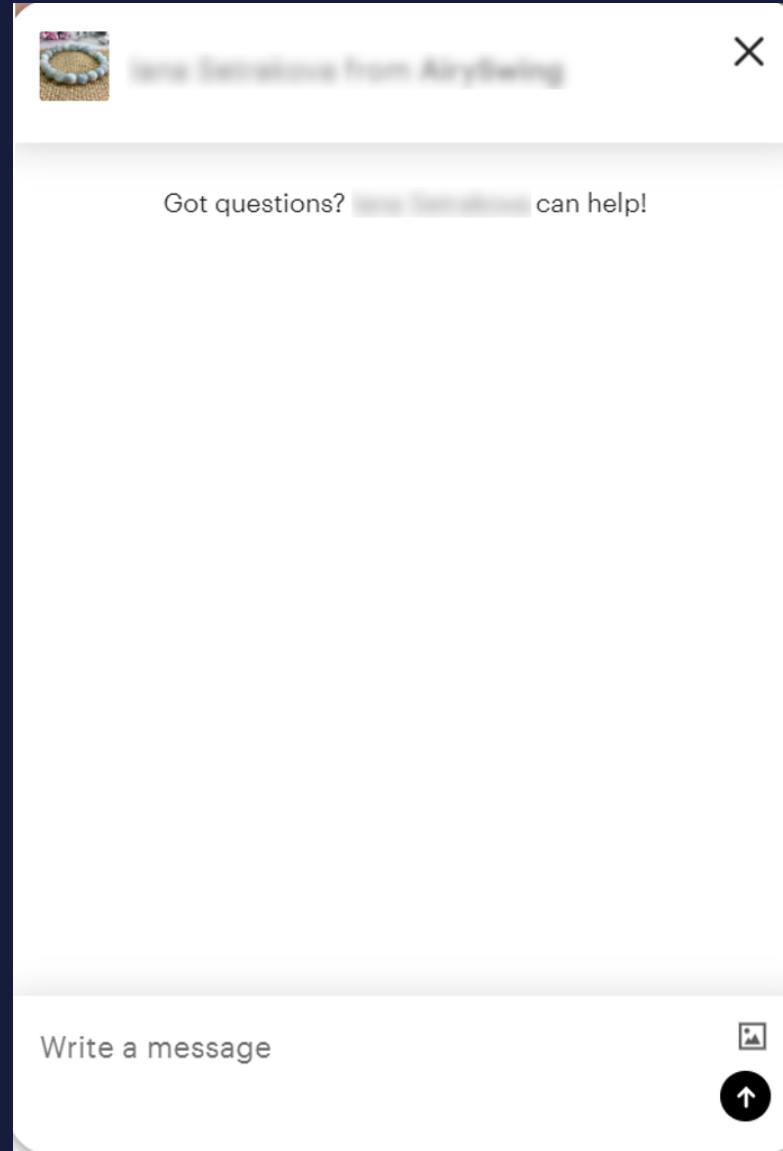
zustand for State Management

- 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

