

*Day 5*

TESTING, ERROR HANDLING, AND  
BACKEND INTEGRATION  
REFINEMENT

# INTRODUCTION

Error handling ensures that my marketplace application can handle unexpected situations gracefully, providing clear feedback to users while maintaining application stability. It involves identifying, managing, and resolving errors in both the client-side (browser) and server-side (backend) environments.

# CSV HANDLING

# GOALS

- Handling CSV files effectively in my marketplace application can be crucial for importing/exporting data like products, orders, customer details, or financial reports. Below is a detailed guide on managing CSV files:
- Ensure that the file is a valid CSV.

# API CHECKING

TC Release Notes TC New Request X

commerce-template-4.vercel.app/api/product Send

Status: 200 OK Size: 6.38 KB Time: 963 ms

Body Tests Pre Run

Response Headers 13 Cookies Results Docs { } ⚙

```
1 {
2   "products": [
3     {
4       "id": "1",
5       "name": "Tribù Elio Chair",
6       "imagePath": "https://next-commerce-template-4.vercel.app/product/Chair (5).png",
7       "price": "1200",
8       "description": "A sleek outdoor chair with natural wooden elements and a modern look.",
9       "discountPercentage": 10,
10      "isFeaturedProduct": true,
11      "stockLevel": 25,
12      "category": "Chair"
13    },
14    {
15      "id": "2",
16      "name": "Armchair Tortuga",
17      "imagePath": "https://next-commerce-template-4.vercel.app/product/Chair (35).png",
18      "price": "850",
19      "description": "An elegant armchair with plush cushions and a curved design for comfort.",
20      "discountPercentage": 0,
21      "isFeaturedProduct": false
22  }
23 }
```

Final-Figma-Hackathon

tier Client TC Release Notes TC New Request X

/next-commerce-template-4.vercel.app/api/product Send

ers 2 Auth Body Tests Pre Run

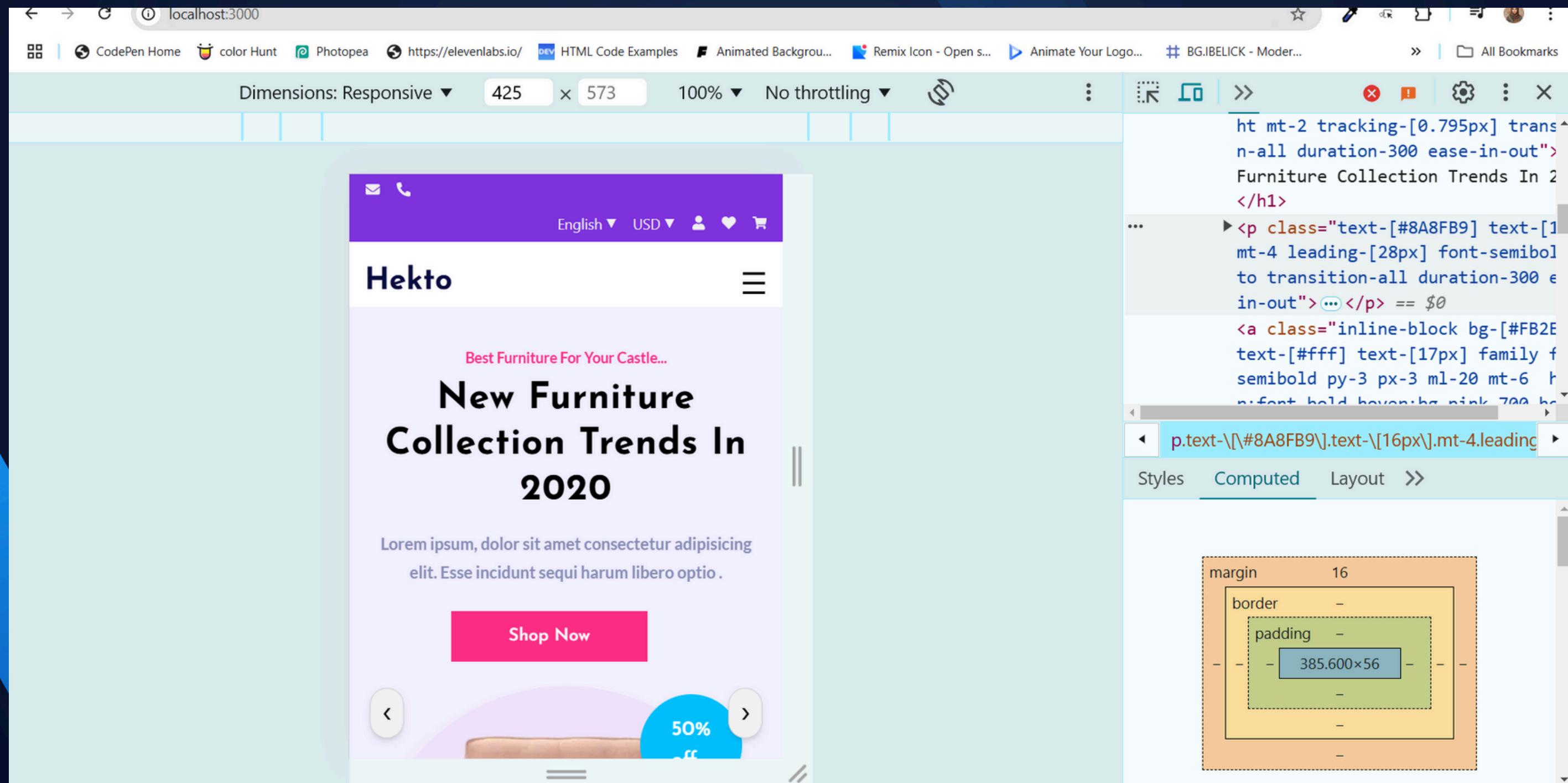
Response Headers 13 Cookies Results Docs { } ⚙

```
1 {
2   "products": [
3     {
4       "id": "1",
5       "name": "Tribù Elio Chair",
6       "imagePath": "https://next-commerce-template-4.vercel.app/product/Chair (5).png",
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```

# DISCUSSION

- API checking ensures that my marketplace's APIs function as intended, providing accurate and secure responses to requests. This involves testing endpoints for reliability, performance, security, and data correctness.
- By integrating comprehensive API checking into my marketplace development, I will ensure seamless functionality, improved user experience, and robust system reliability.

# RESPONSIVENESS CHECKING



# ANALYSIS

Responsiveness testing ensures my marketplace website adapts seamlessly to different devices, screen sizes, and orientations. This is crucial for providing a consistent user experience across desktops, tablets, and mobile devices.

By incorporating thorough responsiveness checking, my marketplace will provide an excellent user experience, regardless of the device or platform.

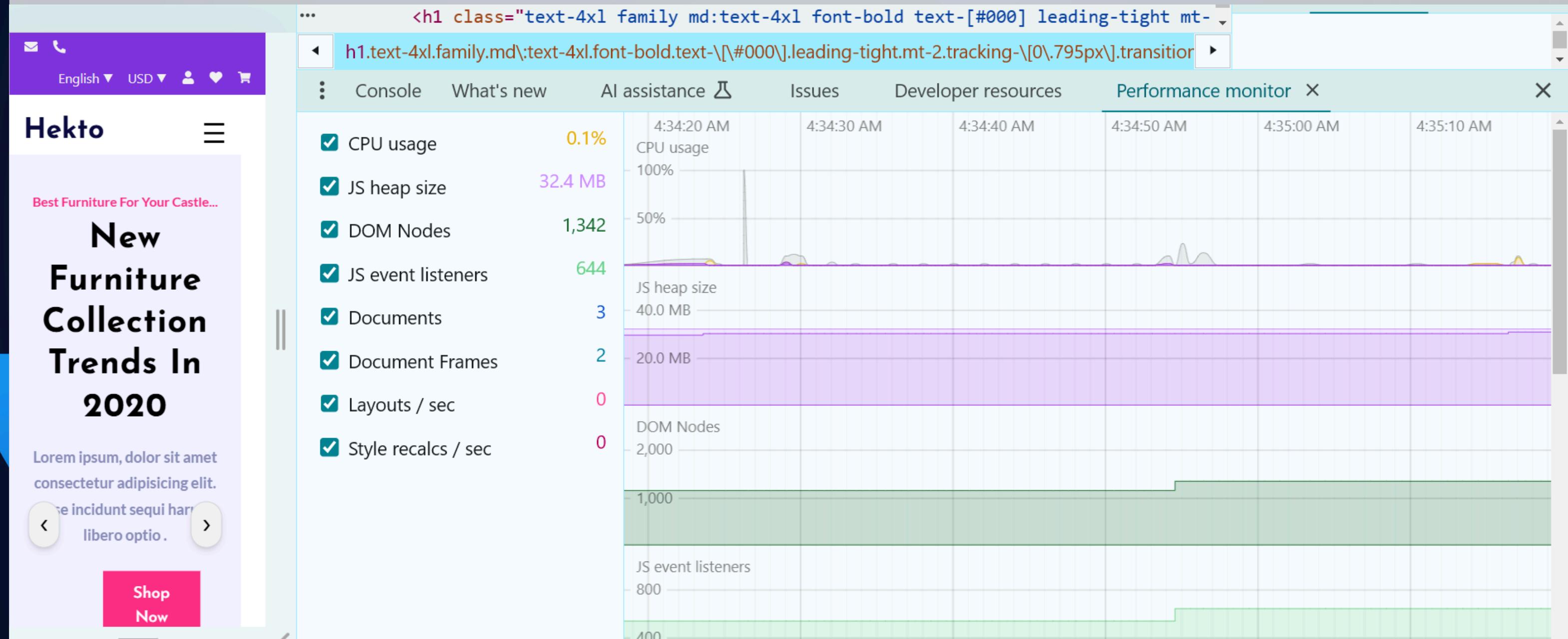
# DEVELOPER RESOURCES

The screenshot shows a browser window with developer tools open, specifically the Network tab. The URL in the address bar is `h1.text-4xl.family.md\text-4xl.font-bold.text-\[\#000\].leading-tight.mt-2.tracking`. The developer tools header includes tabs for Elements, Console, Sources, Network, Performance, and Network. Below the tabs, there are buttons for Styles, Computed, and Layout.

The Network tab displays a table of network requests:

Status	URL	Initiator	Total Bytes	Error
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		7 423	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		674	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		1 173	
success	/MTE0YyJdLCJzb3VY2VzQ29udGVudCI6WyJcln'		4 271	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		866	
success	/YmU5MyJdLCJzb3VY2VzQ29udGVudCI6WyJclr		7 375	
success	/MGJhMCJdLCJzb3VY2VzQ29udGVudCI6WyJcli		5 386	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		8 856	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		6 401	
success	/IHsgLi4uY2FydEl0ZW0sIHf1YW50aXR5OibjYXJC		6 442	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		2 752	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		14 123	
success	/YFxyXG4gICAgKTtcIluXHJcbIAgICBpZiAodXNI		3 257	
success	/json;charset=utf-8;base64,eyJZXJzaWulj0zLC		6 007	
failure	chrome-extension://iidnbdfjjd.../executor.js.map	chrome-ext...		System error: net::ERR_BLOCKED_BY...

# PERFORMANCE MONITOR



# PERFORMANCE MONITOR

The screenshot shows a browser developer tools window with the title "PERFORMANCE MONITOR". The window has a light gray header bar with various tabs: "Elements", "Console", "Sources", "Network", "Performance", "Memory", "Security" (which is underlined and highlighted in blue), and "Memory". Below the tabs, there are some status icons: a red circle with "x" (3), an orange triangle with "▲" (21), a red square with "!" (5), and a gear icon.

The main content area displays a web page titled "Hekto" with a purple header bar containing icons for envelope, phone, language (English), currency (USD), user, heart, and shopping cart. The page content includes a heading "New Furniture Collection Trends In 2020" and some placeholder text: "Best Furniture For Your Castle..." and "Lorem ipsum, dolor sit amet consectetur adipisicing elit. Incidunt sequi har libero optio.". A sidebar on the right shows a navigation menu with "Security" selected, followed by "Overview" and "Main origin". A note at the bottom says "Reload to view details".

In the center-right area, a modal or tooltip is open under the "Security" tab, titled "Security overview". It contains a message: "This page has a non-HTTPS secure origin." with three small icons below it: a lock, an information circle, and a warning triangle.

# CONCLUSION

- Testing helps catch issues before deployment, saving time and resources in the long run.
- With proper testing, your marketplace can handle increased user loads without performance degradation.
- Testing APIs, data handling, and authentication ensures the safety and integrity of user data.

# THANK YOU